# PENNSYLVANIA BULLETIN 

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Agencies in this issue
The Courts
Department of Banking and Securities
Department of Community and Economic
Development
Department of Education
Department of Environmental Protection
Department of Health
Department of Labor and Industry
Department of Revenue
Department of Transportation
Environmental Quality Board
Independent Regulatory Review Commission
Insurance Department
Liquor Control Board
Pennsylvania Public Utility Commission
Philadelphia Parking Authority
Detailed list of contents appears inside.

## PENNSYLVANIA



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# READER'S GUIDE TO THE PENNSYLVANIA BULLETIN AND THE PENNSYLVANIA CODE 

## Pennsylvania Bulletin

The Pennsylvania Bulletin is the official gazette of the Commonwealth of Pennsylvania. It is published every week and includes a table of contents. A cumulative subject matter index is published quarterly.
The Pennsylvania Bulletin serves several purposes. First, it is the temporary supplement to the Pennsylvania Code, which is the official codification of agency rules and regulations and other statutorily authorized documents. Changes in the codified text, whether by adoption, amendment, repeal or emergency action must be published in the Pennsylvania Bulletin. Further, agencies proposing changes to the codified text do so in the Pennsylvania Bulletin.
Second, the Pennsylvania Bulletin also publishes: Governor's Executive Orders; State Contract Notices; Summaries of Enacted Statutes; Statewide and Local Court Rules; Attorney General Opinions; Motor Carrier Applications before the Pennsylvania Public Utility Commission; Applications and Actions before the Department of Environmental Protection; Orders of the Independent Regulatory Review Commission; and other documents authorized by law.
The text of certain documents published in the Pennsylvania Bulletin is the only valid and enforceable text. Courts are required to take judicial notice of the Pennsylvania Bulletin.

## Adoption, Amendment or Repeal of Regulations

Generally an agency wishing to adopt, amend or repeal regulations must first publish in the Pennsylvania Bulletin a Notice of Proposed Rulemaking. There are limited instances when the agency may omit the proposal step; it still must publish the adopted version.
The Notice of Proposed Rulemaking contains the full text of the change, the agency contact person, a fiscal note required by law and background for the action.
The agency then allows sufficient time for public comment before taking final action. An adopted proposal must be published in the Pennsylvania Bulletin before it can take effect. If the agency
wishes to adopt changes to the Notice of Proposed Rulemaking to enlarge the scope, it must repropose.

## Citation to the Pennsylvania Bulletin

Cite material in the Pennsylvania Bulletin by volume number, a page number and date. Example: Volume 1, Pennsylvania Bulletin, page 801, January 9, 1971 (short form: 1 Pa.B. 801 (January 9, 1971)).

## Pennsylvania Code

The Pennsylvania Code is the official codification of rules and regulations issued by Commonwealth agencies and other statutorily authorized documents. The Pennsylvania Bulletin is the temporary supplement to the Pennsylvania Code, printing changes as soon as they occur. These changes are then permanently codified by the Pennsylvania Code Reporter, a monthly, loose-leaf supplement.

The Pennsylvania Code is cited by title number and section number. Example: Title 10 Pennsylvania Code, § 1.1 (short form: 10 Pa . Code § 1.1).

Under the Pennsylvania Code codification system, each regulation is assigned a unique number by title and section. Titles roughly parallel the organization of Commonwealth government. Title 1 Pennsylvania Code lists every agency and its corresponding Code title location.

## How to Find Documents

Search for your area of interest in the Pennsylvania Code. The Pennsyluania Code is available at www.pacode.com.

Source Notes give the history of regulations. To see if there have been recent changes, not yet codified, check the List of Pennsylvania Code Chapters Affected in the most recent issue of the Pennsylvania Bulletin.

A chronological table of the history of Pennsylvania Code sections may be found at www.legis.state. pa.us/cfdocs/legis/CH/Public/pcde_index.cfm.

The Pennsylvania Bulletin also publishes a quarterly List of Pennsylvania Code Sections Affected which lists the regulations in numerical order, followed by the citation to the Pennsylvania Bulletin in which the change occurred. The Pennsylvania Bulletin is available at www.pabulletin.com.

## Printing Format

Material proposed to be added to an existing rule or regulation is printed in bold face and material proposed to be deleted from a rule or regulation is enclosed in brackets [ ] and printed in bold face. Asterisks indicate ellipsis of Pennsylvania Code text retained without change. Proposed new or additional regulations are printed in ordinary style face.

## Fiscal Notes

Section 612 of The Administrative Code of 1929 ( 71 P. S. § 232) requires that the Office of Budget prepare a fiscal note for regulatory actions and administrative procedures of the administrative departments, boards, commissions or authorities receiving money from the State Treasury stating whether the proposed action or procedure causes a loss of revenue or an increase in the cost of programs for the Commonwealth or its political subdivisions; that the fiscal note be published in the Pennsylvania Bulletin at the same time as the proposed change is advertised. A fiscal note provides the following information: (1) the designation of the fund out of which the appropriation providing for expenditures under the action or procedure shall be made; (2) the probable cost for the fiscal year the program is implemented; (3) projected cost estimate of the program for each of the 5 succeeding fiscal years; (4) fiscal history of the program for which expenditures are to be made; (5) probable loss of revenue for the fiscal year of its implementation; (6) projected loss of revenue from the program for each of the 5 succeeding fiscal years; (7) line item, if any, of the General Appropriation Act or other appropriation act out of which expenditures or losses of Commonwealth funds shall occur as a result of the action or procedures; (8) recommendation, if any, of the Secretary of the Budget and the reasons therefor.

The required information is published in the foregoing order immediately following the proposed change to which it relates; the omission of an item indicates that the agency text of the fiscal note states that there is no information available with respect thereto. In items (3) and (6) information is set forth for the first through fifth fiscal years; in that order, following the year the program is implemented, which is stated. In item (4) information is set forth for the current and two immediately preceding years, in that order. In item (8) the recommendation, if any, made by the Secretary of Budget is published with the fiscal note. See 4 Pa . Code § 7.231 et seq. Where "no fiscal impact" is published, the statement means no additional cost or revenue loss to the Commonwealth or its local political subdivision is intended.

## Reproduction, Dissemination or Publication of Information

Third parties may not take information from the Pennsylvania Code and Pennsylvania Bulletin and reproduce, disseminate or publish such information except as provided by 1 Pa . Code § 3.44. 1 Pa . Code § 3.44 reads as follows:

## § 3.44. General permission to reproduce content of Code and Bulletin.

Information published under this part, which information includes, but is not limited to, cross references, tables of cases, notes of decisions, tables of contents, indexes, source notes, authority notes, numerical lists and codification guides, other than the actual text of rules or regulations may be reproduced only with the written consent of the Bureau. The information which appears on the same leaf with the text of a rule or regulation, however, may be incidentally reproduced in connection with the reproduction of the rule or regulation, if the reproduction is for the private use of a subscriber and not for resale. There are no other restrictions on the reproduction of information published under this part, and the Commonwealth hereby consents to a reproduction.

## List of Pa. Code Chapters Affected

The following numerical guide is a list of the chapters of each title of the Pennsylvania Code affected by documents published in the Pennsylvania Bulletin during 2017.




## THE COURTS

## DISCIPLINARY BOARD OF THE SUPREME COURT

Notice of Administrative Suspension

Notice is hereby given that the following attorneys have been Administratively Suspended by Order of the Supreme Court of Pennsylvania dated July 26, 2017, pursuant to Rule 111(b) Pa.R.C.L.E., which requires that every active lawyer shall annually complete, during the compliance period for which he or she is assigned, the continuing legal education required by the Continuing Legal Education Board. The Order became effective August 25, 2017 for Compliance Group 3.

Notice with respect to attorneys having Pennsylvania registration addresses, which have been transferred to inactive status by said Order, was published in the appropriate county legal journal.
Baker, Ethan David
Troy, MI
Ballentine, Robert Scott
Spring, TX
Brent, Adam Luke
Vineland, NJ
Brownstein, Lee Solomon
Cherry Hill, NJ
Cappio, Christopher George
Glassboro, NJ
Davis, Salamon
New York, NY
Fields, Parthenia E.
Roanoke, VA
Gilfillan, Curtis B.
Englewood Cliffs, NJ

Gomez, Eliezer
San Juan, Puerto Rico
Lubimir, John Anton
Destin, FL
Martino, Megan D.
Vienna, VA
McPherson, Shevelle
Cherry Hill, NJ
Monari, Francis J.
Camden, NJ
Montilus, Gracia Robert
South Orange, NJ
Newman, Jeffrey S.
Concord, NH
Pincus, Alan
Las Vegas, NV
Suber, Elke Flores
Redmond, WA
Tanenbaum, Jerry L.
Cherry Hill, NJ
Watson, Evolea C.
Cherry Hill, NJ
Williams, Donna Renee
Glenn Dale, MD
Work, John Vernon
Wilmington, DE
Yu, Wenshu
China
SUZANNE E. PRICE, Attorney Registrar The Disciplinary Board of the Supreme Court of Pennsylvania
[Pa.B. Doc. No. 17-1473. Filed for public inspection September 8, 2017, 9:00 a.m.]

# RULES AND REGULATIONS 

# 40-LIQUOR 

## LIQUOR CONTROL BOARD

[ 40 PA. CODE CH. 7 ] Intermunicipal Transfer of Retail Licenses

The Liquor Control Board (Board), under the authority of section 207(i) of the Liquor Code (47 P.S. § 2-207(i)), amends § 7.61 (relating to criteria for intermunicipal transfer of retail licenses) and rescinds § 7.62 to read as set forth in Annex A.

## Summary

This final-omitted rulemaking makes certain changes to the Board's regulations concerning intermunicipal transfers of retail liquor and eating place retail dispenser licenses to be consistent with statutory amendments made by the act of November 29, 2006 (P.L. 1421, No. 155). Specifically, former $\S 7.61$ (b)(4) is deleted, $\S 7.62$ is rescinded and $\S 7.61(\mathrm{a})$ and (b) is amended to coincide with section 461(b.3) of the Liquor Code (47 P.S. § 4461(b.3)). A minor change is also being made to $\S 7.61(\mathrm{a})(2)$ to account for the fact that the Board no longer uses paper application forms.

## Affected Parties

The affected parties include future applicants for intermunicipal transfers of retail liquor and eating place retail dispenser licenses, as well as the receiving municipalities.

## Paperwork Requirements

The Board does not anticipate that this final-omitted rulemaking will affect the amount of paperwork or administrative costs of the regulated community.

## Fiscal Impact

This final-omitted rulemaking is not expected to have fiscal impact, since it is intended to simply make the Board's regulations consistent with section 461(b.3) of the Liquor Code.

## Effective Date

This final-omitted rulemaking will become effective upon publication in the Pennsylvania Bulletin.

## Public Comments

There is not a formal opportunity for public comments regarding this final-omitted rulemaking. However, public comments on this final-omitted rulemaking may be directed to Rodrigo Diaz, Chief Counsel, Jason M. Worley, Deputy Chief Counsel, or Meredith Millard, Assistant Counsel, Office of Chief Counsel, Liquor Control Board, Room 401, Northwest Office Building, Harrisburg, PA 17124-0001.

## Regulatory Review

Under section 5.1(c) of the Regulatory Review Act (71 P.S. § 745.5a(c)), on June 29, 2017, the Board submitted a copy of the final-omitted rulemaking and a copy of a Regulatory Analysis Form to the Independent Regulatory Review Commission (IRRC) and to the Chairpersons of the House Liquor Control Committee and Senate Committee on Law and Justice. On the same date, the regulations were submitted to the Office of Attorney General for review and approval under the Commonwealth Attorneys Act ( 71 P.S. §§ 732-101—732-506).

Under section 5.1(j.2) of the Regulatory Review Act, on August 23, 2017, the final-omitted rulemaking was deemed approved by the House and Senate Committees. Under section 5.1(e) of the Regulatory Review Act, IRRC met on August 24, 2017, and approved the final-omitted rulemaking.

## Findings

The Board finds that:
(1) Public notice of intention to adopt the administrative amendments adopted by this order has been given under sections 201 and 202 of the act of July 31, 1968 (P.L. 769, No. 240) (45 P.S. §§ 1201 and 1202) and the regulations thereunder, 1 Pa . Code $\S \S 7.1$ and 7.2.
(2) The amendments to the Board's regulations in the manner provided in this order are necessary and appropriate for the administration of the Liquor Code.

## Order

The Board, acting under the authorizing statute, orders that:
(a) The regulations of the Board, 40 Pa . Code Chapter 7, are amended by rescinding $\S 7.62$ and amending § 7.61 to read as set forth in Annex A.
(b) The Board shall certify this order and Annex A and deposit them with the Legislative Reference Bureau as required by law.
(c) This order shall become effective upon publication in the Pennsylvania Bulletin.

## TIM HOLDEN,

Chairperson
(Editor's Note: See 47 Pa.B. 5761 (September 9, 2017) for IRRC's approval order.)

Fiscal Note: 54-97. No fiscal impact; (8) recommends adoption.

## Annex $A$ <br> TITLE 40. LIQUOR <br> PART I. LIQUOR CONTROL BOARD <br> CHAPTER 7. TRANSFER, EXTENSION, SURRENDER, EXCHANGE AND SUSPENSION OF LICENSES <br> Subchapter F. INTERMUNICIPAL TRANSFER OF RETAIL LICENSES

§ 7.61. Criteria for intermunicipal transfer of retail licenses.
(a) Restaurant, eating place retail dispenser and club licenses may be transferred from one municipality to another municipality within the same county, without approval from the receiving municipality, if both of the following apply:
(1) The number of existing licenses in the receiving municipality does not equal or exceed 1 license per 3,000 inhabitants as determined at the date of filing of the application.
(2) The applicant submits the appropriate license application and associated fees to the Bureau of Licensing.
(b) If the number of existing licenses in the receiving municipality equals or exceeds 1 license per 3,000 inhab-
itants or if the population of the receiving municipality is less than 3,000 inhabitants and the receiving municipality has an existing license:
(1) The applicant shall request approval from the receiving municipality for the intermunicipal transfer of the license.
(2) Upon request for approval of an intermunicipal transfer of a license by the applicant, at least one public hearing shall be held by the receiving municipality for the purpose of receiving comments and recommendations of interested individuals residing within the municipality concerning the applicant's intent to transfer the license into the municipality.
(3) The receiving municipality shall, within 45 days of a request for approval, render a decision by ordinance or resolution to approve or disapprove the applicant's request for an intermunicipal transfer.
(4) The applicant shall submit to the Board, along with its application for transfer, a copy of the receiving municipality's approval of the intermunicipal transfer of the license in the form of an ordinance or resolution which includes the applicant's name and exact address.

## § 7.62. (Reserved).

[Pa.B. Doc. No. 17-1474. Filed for public inspection September 8, 2017, 9:00 a.m.]

# NOTICES <br> DEPARTMENT OF BANKING AND SECURITIES 

## Actions on Applications


#### Abstract

The Department of Banking and Securities (Department), under the authority contained in the act of November 30, 1965 (P.L. 847, No. 356), known as the Banking Code of 1965; the act of May 15, 1933 (P.L. 565, No. 111), known as the Department of Banking Code; and the act of December 19, 1990 (P.L. 834, No. 198), known as the Credit Union Code, has taken the following action on applications received for the week ending August 29, 2017.

Under section 503.E of the Department of Banking and Securities Code ( 71 P.S. § 733-503.E), any person wishing to comment on the following applications, with the exception of branch applications, may file comments in writing with the Department of Banking and Securities, Corporate Applications Division, 17 North Second Street, Suite 1300, Harrisburg, PA 17101-2290. Comments must be received no later than 30 days from the date notice regarding receipt of the application is published in the Pennsylvania Bulletin. The nonconfidential portions of the applications are on file at the Department and are available for public inspection, by appointment only, during regular business hours. To schedule an appointment, contact the Corporate Applications Division at (717) 783-2253. Photocopies of the nonconfidential portions of the applications may be requested consistent with the Department's Right-to-Know Law Records Request policy.


## BANKING INSTITUTIONS

| Section 112 Acquisitions |  |  |
| :---: | :---: | :---: |
| Date | Name and Location of Applicant | Action |
| 8-29-2017 | Ronald M. Soldo Hilton Head Island, SC | Filed |
|  | Application for approval to acquire up to $9.9 \%$ of the common stock of Hyperion Bank, Philadelphia. |  |
| Holding Company Acquisitions |  |  |
| Date | Name and Location of Applicant | Action |
| 8-29-2017 | Mid Penn Bancorp, Inc. Millersburg Dauphin County | Filed |
|  | Application for approval to acquire $100 \%$ of Lawrence Keister \& Company, Scottdale, and thereby indirectly acquire $100 \%$ of The Scottdale Bank \& Trust Co., Scottdale. |  |
| Consolidations, Mergers and Absorptions |  |  |
| Date | Name and Location of Applicant | Action |
| 8-29-2017 | Mid Penn Bank Millersburg Dauphin County | Filed |
|  | Application for approval to merge The Scottdale Bank \& Trust Co., Scottdale, with and into Mid Penn Bank, Millersburg. |  |


| Branch Applications |  |  |  |
| :---: | :---: | :---: | :---: |
| Date | Name and Location of Applicant | Location of Branch | Action |
| 8-17-2017 | Riverview Bank <br> Marysville <br> Perry County | 1542 East 3rd Street Williamsport Lycoming County | Opened |
| 8-28-2017 | Landmark Community Bank Pittston Luzerne County | 1000 Wyoming Avenue Wyoming Luzerne County | Approved |
| 8-29-2017 | First Priority Bank Malvern Chester County | 237 East Gay Street West Chester Chester County | Filed |

## Branch Relocations

| Date | Name and Location of Applicant |  | Location of Branch | Action |
| :---: | :---: | :---: | :---: | :---: |
| 8-28-2017 | Citizens Bank of Pennsylvania Philadelphia <br> Philadelphia County | To: | 2324 Ardmore Boulevard Forest Hills Allegheny County | Approved |
|  |  | From: | 2020 Ardmore Boulevard Forest Hills Allegheny County |  |
| 8-28-2017 | Citizens Bank of Pennsylvania Philadelphia <br> Philadelphia County | To: | 105 Culvert Street Zelienople Butler County | Approved |
|  |  | From: | 100 North Main Street Zelienople Butler County |  |
|  | Articles of Amendment |  |  |  |
| Date | Name and Location of Institution |  |  | Action <br> Filed |
| 8-29-2017 | Indiana First Savings Bank Indiana <br> Indiana County |  |  |  |
|  | Amendment to Article 1 of the institution's Articles of Incorporation provides for change in corporate title to "InFirst Bank." |  |  |  |

## CREDIT UNIONS

No activity.
The Department's web site at www.dobs.pa.gov includes public notices for more recently filed applications.
ROBIN L. WIESSMANN,
Secretary
[Pa.B. Doc. No. 17-1475. Filed for public inspection September 8, 2017, 9:00 a.m.]

## DEPARTMENT OF COMMUNITY AND ECONOMIC DEVELOPMENT

## Emergency Solutions Grant Applications

The Department of Community and Economic Development (Department), Center for Community Development Operations, is anticipating receiving funding through the United States Department of Housing and Urban Development for the Emergency Solutions Grant. The Homeless Emergency Assistance and Rapid Transition to Housing Act of 2009 (Pub.L. No. 111-22) provides funding for Emergency Solutions for the Commonwealth to address the needs of homeless people through services in Rapid Rehousing, Street Outreach, Homelessness Prevention and Emergency Shelters. The focus is to help individuals and families to quickly regain stability in permanent housing after experiencing a housing crisis or homelessness, or both.

The Department will accept applications from any general purpose units of local government, including cities, boroughs, townships, towns, counties, home rule municipalities and communities, that wish to apply on behalf of other municipalities. Priority will be given to nonentitled jurisdictions; however, the Department will consider funding applications received from all eligible government jurisdictions previously listed.

A fully executed application with all applicable attachments must be submitted to the Department through the Electronic Single Application (application) only and dur-
ing the time the application is open. The application will open on September 5, 2017, and close at 5 p.m. on October, 24, 2017. Applicants must submit an intent to apply form, included in the application kit, no later than September 15, 2017. Applications received during this window of time will be considered for funding. Hard copies will not be accepted. The application is located on the Department's web site at http://www.newpa.com/ single-application/.

A copy of the guidelines and application may be downloaded from the Department's web site at http://www. newpa.com/programs/emergency-solutions-grant-esg/. A hard copy may be requested by persons with a disability who wish to submit an application in accordance with the provisions stated herein and who require assistance with the application. Persons who require copies of this notice in an alternate format (large type, Braille, and the like) should contact Megan Snyder, 4th Floor, Commonwealth Keystone Building, Harrisburg, PA 17120, (717) 787-7404 or TDD (717) 346-0308 to discuss how the Department may best accommodate their needs. Copies of the application may also be viewed at any Department regional office. The following is the listing of Department regional offices and the counties they serve:

## Regional Offices

[^0]
## Northeast

Bradford, Carbon, Clinton, Columbia, Lackawanna, Luzerne, Lycoming, Montour, Pike, Schuylkill, Sullivan, Susquehanna, Tioga, Wayne and Wyoming Counties

Department of Community and Economic Development 2 North Main Street
Pittston, PA 18640
(570) 963-4571

## Lehigh Valley

Berks, Lehigh, Monroe, Lebanon, Northampton, Snyder and Union Counties

Department of Community and Economic Development Commonwealth Keystone Building
400 North Street, 4th Floor
Harrisburg, PA 17120
(717) 877-8481

Central
Adams, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Mifflin, Perry and York Counties

Department of Community and Economic Development
Commonwealth Keystone Building
400 North Street, 4th Floor
Harrisburg, PA 17120
(717) 720-7386

## Southwest

Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Fayette, Greene, Indiana, Somerset, Washington and Westmoreland Counties

Department of Community and Economic Development
301 5th Avenue, Suite 250
Pittsburgh, PA 15222
(412) 565-5002

## Northwest

Cameron, Centre, Clarion, Clearfield, Crawford, Elk, Erie, Forest, Jefferson, Lawrence, McKean, Mercer, Potter, Venango and Warren Counties

Department of Community and Economic Development 100 State Street, Suite 205<br>Erie, PA 16507<br>(814) 871-4241<br>Main Office<br>Center for Community Financing 400 North Street, 4th Floor<br>Commonwealth Keystone Building<br>Harrisburg, PA 17120<br>(717) 787-5327

DENNIS M. DAVIN, Secretary
[Pa.B. Doc. No. 17-1476. Filed for public inspection September 8, 2017, 9:00 a.m.]

## DEPARTMENT OF EDUCATION

## Index Calculation Required by Special Session Act 1 of 2006

Under section 333(1) of the Taxpayer Relief Act (53 P.S. § 6926.333(1)), the Department of Education (Department) has calculated the index for the Fiscal Year (FY) 2018-2019.

The index is the average of the percentage increase in the Statewide average weekly wage and the Employment Cost Index. For FY 2018-2019, the base index is 2.4\%.

For school districts with a market value/income aid ratio greater than 0.4000 , an adjusted index will be posted on the Department's web site at www.education. pa.gov by September 30, 2017.

PEDRO A. RIVERA,
Secretary
[Pa.B. Doc. No. 17-1477. Filed for public inspection September 8, 2017, 9:00 a.m.]

# DEPARTMENT OF ENVIRONMENTAL PROTECTION 

## Applications, Actions and Special Notices

## APPLICATIONS

## THE CLEAN STREAMS LAW AND THE FEDERAL CLEAN WATER ACT APPLICATIONS FOR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITS AND WATER QUALITY MANAGEMENT (WQM) PERMITS

This notice provides information about persons who have applied for a new, amended or renewed NPDES or WQM permit, a permit waiver for certain stormwater discharges or submitted a Notice of Intent (NOI) for coverage under a General Permit. The applications concern, but are not limited to, discharges regarding industrial, animal or sewage waste, discharges to groundwater, discharges associated with municipal separate storm sewer systems (MS4), stormwater associated with construction activities or concentrated animal feeding operations (CAFO). This notice is provided in accordance with 25 Pa . Code Chapters 91 and 92a and 40 CFR Part 122, implementing The Clean Streams Law (35 P. S. §§ 691.1-691.1001) and the Federal Clean Water Act (33 U.S.C.A. §§ 1251—1376).

| Location | Permit Authority | Application Type or Category |
| :--- | :--- | :--- |
| Section I | NPDES | Renewals |
| Section II | NPDES | New or Amendment |
| Section III | WQM | Industrial, Sewage or Animal Waste; Discharge into Groundwater |
| Section IV | NPDES | MS4 Individual Permit |


| Location | Permit Authority | Application Type or Category |
| :--- | :--- | :--- |
| Section V | NPDES | MS4 Permit Waiver |
| Section VI | NPDES | Individual Permit Stormwater Construction |
| Section VII | NPDES | NOI for Coverage under NPDES General Permits |

For NPDES renewal applications in Section I, the Department of Environmental Protection (Department) has made a tentative determination to reissue these permits for 5 years subject to effluent limitations and monitoring and reporting requirements in their current permits, with appropriate and necessary updated requirements to reflect new and changed regulations and other requirements.

For applications for new NPDES permits and renewal applications with major changes in Section II, as well as applications for MS4 Individual Permits and Individual Stormwater Construction Permits in Sections IV and VI, the Department, based upon preliminary reviews, has made tentative determinations of proposed effluent limitations and other terms and conditions for the permit applications. In accordance with 25 Pa . Code § 92a.32(d), the proposed discharge of stormwater associated with construction activities will be managed in accordance with the requirements of 25 Pa . Code Chapter 102. These determinations are published as proposed actions for comments prior to taking final actions.

Unless indicated otherwise, the United States Environmental Protection Agency (EPA) Region III Administrator has waived the right to review or object to proposed NPDES permit actions under the waiver provision in 40 CFR 123.24(d).
Persons wishing to comment on NPDES applications are invited to submit statements to the contact office noted before the application within 30 days from the date of this public notice. Persons wishing to comment on WQM permit applications are invited to submit statements to the office noted before the application within 15 days from the date of this public notice. Comments received within the respective comment periods will be considered in the final determinations regarding the applications. A comment submittal should include the name, address and telephone number of the writer and a concise statement to inform the Department of the exact basis of a comment and the relevant facts upon which it is based.
The Department will also accept requests for public hearings on applications. A public hearing may be held if the responsible office considers the public response significant. If a hearing is scheduled, a notice of the hearing will be published in the Pennsylvania Bulletin and a newspaper of general circulation within the relevant geographical area. The Department will postpone its final determination until after a public hearing is held.

Persons with a disability who require an auxiliary aid, service, including TDD users, or other accommodations to seek additional information should contact the Department through the Pennsylvania AT\&T Relay Service at (800) 654-5984.

## I. NPDES Renewal Applications

Southwest Regional Office: Regional Clean Water Program Manager, 400 Waterfront Drive, Pittsburgh, PA 15222-4745. Phone: 412.442.4000.

| NPDES No. | Facility Name \& | County \& | Stream Name | EPA Waived |
| :--- | :--- | :--- | :--- | :---: |
| (Type) | Address | Municipality | (Watershed No.) | Y/N? |
| PA0203777 | Ductmate Industries | Allegheny County | Monongahela River | Yes |
| (Sewage) | 1502 Industrial Drive | Forward Township | (19-C) |  |

Northeast Region: Clean Water Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915. Phone: 570-826-2511.

| NPDES No. | Facility Name \& | County \& | Stream Name | EPA Waived |
| :--- | :--- | :--- | :--- | :---: |
| (Type) | Address | Municipality | (Watershed No.) | Y/N? |
| PA0033669 | Valley View MHP WWTP | Luzerne County | Unnamed Tributary to | Yes |
| (Sewage) | Valley View MHP, Lot 218, | Dallas Township | Abrahams Creek |  |
|  | South Dr. |  |  |  |
|  | Dallas, PA 18612 |  |  |  |
| PA0041076 | Forest District 19 SFTF | Monroe County | Unnamed Tributary to | Yes |
| (Sewage) | 2174A Route 611 | Pocono Township | Scot Run <br> (1-E) |  |

Northwest Region: Clean Water Program Manager, 230 Chestnut Street, Meadville, PA 16335-3481.

| NPDES No. | Facility Name \& | County \& | Stream Name | EPA Waived |
| :--- | :--- | :--- | :--- | :---: |
| (Type) | Address | Municipality | (Watershed \#) | Y/N? |
| PA0104167 | Erie City WTP | Erie County | Presque Isle Bay of | Yes |
| (Industrial) | 240 West 12th Street | Erie City | Lake Erie |  |
|  | Erie, PA 16501-1706 |  |  |  |
| PA0090182 | Concordia Lutheran Home | Butler County <br> (Sewage) | 134 Marwood Road | Cabot, PA 16023 |

NOTICES

| NPDES No. <br> (Type) | Facility Name \& Address | County \& Municipality | Stream Name <br> (Watershed \#) | EPA Waived $Y / N$ ? |
| :---: | :---: | :---: | :---: | :---: |
| PA0221589 (Industrial) | Linesville Business Park 789 Bessemer Street Meadville, PA 16335 | Crawford County Linesville Borough | Linesville Creek (20-A) | Yes |
| PA0239836 (Sewage) | Lawrence Keppler SRSTP <br> 8 Deer Run <br> Bradford, PA 16701-2466 | McKean County Corydon Township | South Branch Willow Creek <br> (16-B) | Yes |
| PA0263851 (Sewage) | Keating Township Cyclone STP PO Box 103, 7160 Route 46 East Smethport, PA 16730 | McKean County Keating Township | Kinzua Creek (16-B) | Yes |
| PA0104108 <br> (Sewage) | Hickory View Terrace WWTP 861 Mount Jackson Road New Castle, PA 16102-2415 | Lawrence County North Beaver Township | Hickory Run (20-B) | Yes |

II. Applications for New or Expanded Facility Permits, Renewal of Major Permits and EPA Non-Waived Permit Applications

Southwest Regional Office: Regional Clean Water Program Manager, 400 Waterfront Drive, Pittsburgh, PA 15222-4745. Phone: 412.442.4000.

PA0030406, Sewage, State Correctional Institution at Laurel Highlands, P O Box 631, Somerset, PA 15501-0631. Facility Name: SCI at Laurel Highlands WWTP. This existing facility is located in Somerset Township, Somerset County.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated Sewage and Landfill Leachate.

The receiving stream(s), Unnamed Tributary to East Branch of Creek, is located in State Water Plan watershed 19-F and is classified for Warm Water Fishery, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.50 MGD .


The EPA Waiver is in effect.

Southcentral Region: Clean Water Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110. Phone: 717-705-4707.
PA0110361, Sewage, SIC Code 4952, Freedom Township Water \& Sewer Authority, 131 Municipal Street, East Freedom, PA 16637-8158. Facility Name: Freedom Township STP. This existing facility is located in Freedom Township, Blair County.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated Sewage.

The receiving stream(s), Frankstown Branch Juniata River and Unnamed Tributary to Frankstown Branch Juniata River, is located in State Water Plan watershed 11-A and is classified for Migratory Fishes, Warm Water Fishes, and Trout Stocking, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.97 MGD.-Limits.


The proposed effluent limits for Outfall 002 are based on a design flow of 0.97 MGD.-Limits.

|  | Mass Units (lbs/day) |  |  | Concentrations ( $\mathrm{mg} / \mathrm{L}$ ) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameters | Average <br> Monthly | Weekly Average | Minimum | Average <br> Monthly | Weekly Average | Instant. <br> Maximum |
| Flow (MGD) |  |  | XXX |  |  | XXX |
| Flow (MGD) | Report | Report <br> Daily Max | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | 9.0 | XXX |
| Dissolved Oxygen | XXX | XXX | 5.0 | XXX | Max | XXX |
| Carbonaceous Biochemical Oxygen | 80 | 121 | XXX | 10.0 | 15.0 | 20 |
| Demand $\left(\mathrm{CBOD}_{5}\right)$ Total Suspended Solids | 80 | 121 | XXX | 10.0 | 15.0 | 20 |
| Fecal Coliform (No./100 ml) |  |  |  |  |  |  |
| Oct 1 - Apr 30 | XXX | XXX | XXX | 2,000 | XXX | 10,000 |
| May 1 - Sep 30 | XXX | XXX | XXX | Geo Mean 200 | XXX | 1,000 |
| May 1 - Sep 30 | XXX | XXX |  | Geo Mean |  |  |
| Total Nitrogen | 40 | XXX | XXX | 5.0 | XXX | 10 |
| Ammonia-Nitrogen |  |  |  |  |  |  |
| Nov 1 - Apr 30 | 31.5 | XXX | XXX | 3.9 | XXX | 7.8 |
| May 1 - Oct 31 | 10.5 | XXX | XXX | 1.3 | XXX | 2.6 |
| Total Phosphorus | 4.0 | XXX | XXX | 0.5 | XXX | 1 |

The proposed monitoring requirements and, where appropriate, effluent limits for implementation of the Chesapeake Bay Tributary Strategy are as follows for Outfalls 001 and 002-Limits.

|  | Effluent Limitations |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mass Units $($ lbs / day) (1) |  | Concentrations (mg/L) | Instant. |  |  |
| Parameter | Monthly | Annual | Monthly | Monthly | Average | Maximum | Maximum

* This permit contains conditions which authorize the permittee to apply nutrient reduction credits to meet the Net Total Nitrogen and the Net Total Phosphorus effluent mass limits, under the Department's Chapter 96 regulations. The condition includes the requirement to report the application of these credits in Supplemental Discharge Monitoring Reports (DMRs) submitted to the Department.

In addition, the permit contains the following major special conditions:

- Stormwater Prohibition, Approval Contingencies, Proper Waste/solids Management, collected screenings, slurries, sludges, and other solids management, Restriction on receipt of hauled in waste under certain conditions.
You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 717-705-4732.
The EPA Waiver is not in effect.
PA0086142, Sewage, SIC Code 4952, Washington Township Berks County, 120 Barto Road, Barto, PA 19504-8746. Facility Name: Washington Township STP. This existing facility is located in Washington Township, Berks County.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated Sewage.
The receiving stream(s), West Branch Perkiomen Creek, is located in State Water Plan watershed 3-E and is classified for Cold Water Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.
The proposed effluent limits for Outfall 001 are based on a design flow of 0.25 MGD.-Limits.

|  | Mass Units (lbs/day) |  |  | Concentrations (mg/L) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average | Weekly |  | Average <br> Monthly | Weekly | Instant. |
| Parameters |  |  | Minimum |  |  |  |
| Flow (MGD) | Report | Report | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | Daily Max XXX | 6.0 | XXX | 9.0 | XXX |
| pH (S.U.) |  |  |  |  | Max |  |
| Dissolved Oxygen | XXX | XXX | Report | XXX | XXX | XXX |
| $\mathrm{CBOD}_{5}$ | 52 | 83 | XXX | 25.0 | 40.0 | 50 |
| $\mathrm{BOD}_{5}$ |  |  |  |  |  |  |
| Raw Sewage Influent | Report | Report <br> Daily Max | XXX | Report | XXX | XXX |
| Total Suspended Solids |  |  |  |  |  |  |
| Raw Sewage Influent | Report | Report Daily Max | XXX | Report | XXX | XXX |
| Total Suspended Solids | 63 | 94 | XXX | 30.0 | 45.0 | 60 |
| Fecal Coliform (No./100 ml) |  |  |  |  |  |  |
| Oct 1 - Apr 30 | XXX | XXX | XXX | 2,000 | XXX | 10,000 |
| May 1 - Sep 30 | XXX | XXX | XXX | Geo Mean 200 | XXX | 1,000 |
| May 1-Sep 30 | XXX | XXX | XXX | Geo Mean | XXX | 1,000 |
| Ammonia-Nitrogen |  |  |  |  |  |  |
| Nov 1 - Apr 30 | 41 | XXX | XXX | 20.0 | XXX | 40 |
| May 1 - Oct 31 | 15 | XXX | XXX | 7.5 | XXX | 15 |
| Total Phosphorus | 1.04 | XXX | XXX | 0.5 | XXX | 1 |
| Copper, Total | Report | Report | XXX | Report | Report | XXX |
|  |  | Daily Max |  |  | Daily Max |  |
| Total Dissolved Solids | XXX | Report Daily Max | XXX | XXX | Report <br> Daily Max | XXX |

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 717-705-4732.

The EPA Waiver is not in effect.

PA0070378, Sewage, SIC Code 8211, Blue Mountain Academy, 2363 Mountain Road, Hamburg, PA 19526-8745. Facility Name: Blue Mountain Academy STP. This existing facility is located in Tilden Township, Berks County.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated Sewage.
The receiving stream(s), Unnamed Tributary to Mill Creek, is located in State Water Plan watershed 3-B and is classified for Trout Stocking, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.
The proposed effluent limits for Outfall 001 are based on a design flow of 0.05 MGD.-Limits.


You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 717-705-4732.

The EPA Waiver is in effect.
PA0026280, Sewage, SIC Code 4952, Borough of Lewistown, 2 E 3rd Street, Lewistown, PA 17044-1799. Facility Name: Lewistown STP. This existing facility is located in Lewistown Borough, Mifflin County.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated Sewage.
The receiving stream(s), Juniata River, is located in State Water Plan watershed 12-A and is classified for Migratory Fishes and Warm Water Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.
The proposed effluent limits for Outfall 001 are based on a design flow of 2.818 MGD.-Limits.


The proposed effluent limits for Outfall 002 are based on a design flow of 0 MGD.-Limits.

|  | Mass Units (lbs/day) |  |  | Concentrations (mg/L) |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average | Average |  | Average | Daily | Instant. |
| Parameters | Monthly | Weekly | Minimum | Monthly | Maximum | Maximum |
| Total Suspended Solids | XXX | XXX | XXX | XXX | Report | XXX |
| Oil and Grease | XXX | XXX | XXX | XXX | Report | XXX |

The proposed monitoring requirements and, where appropriate, effluent limits for implementation of the Chesapeake Bay Tributary Strategy are as follows for Outfall 001.

## Effluent Limitations

|  | Mass Units (lbs) |  |  | Concentrations (mg/L) |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Parameter | Monthly | Annual | Monthly | Average | Maximum | Maximimum

* The permittee is authorized to use 8,812.5 lbs./compliance year as Total Nitrogen (TN) Offsets toward compliance with the Annual Net TN mass load limitations (Cap Loads), in accordance with Part C of the permit. The offset was authorized for connecting 352.5 retired on-lot disposal systems after January 1, 2003.

In addition, the permit contains the following major special conditions:

- Chesapeake Bay nutrients requirements
- POTW industrial pretreatment program implementation
- Solids management for non-lagoon system
- Whole Effluent Toxicity
- Requirements applicable to stormwater outfalls
- Notification of designation of responsible operator
- Hauled-in waste restriction
- TRC reporting

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 717-705-4732.
The EPA Waiver is not in effect.
PA0247979, Sewage, SIC Code 6514, 8811, Gary \& Judith Cryder, 101 Fleisher Road, Marysville, PA 17053-9531. Facility Name: Gary Cryder Res. This existing facility is located in Rye Township, Perry County.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated SRSTP Sewage.

The receiving stream(s), Unnamed Tributary to Fishing Creek, is located in State Water Plan watershed 7-A and is classified for Cold Water Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.0004 MGD.-Limits.

| Parameters | Mass Units (lbs/day) |  |  | Concentrations (mg/L) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average Monthly | Average Weekly | Minimum | Average Monthly | Maximum | Instant. <br> Maximum |
| Flow (MGD) | Report | XXX | XXX | XXX | XXX | XXX |
| Total Residual Chlorine (TRC) | XXX | XXX | XXX | Report | XXX | XXX |
| Biochemical Oxygen Demand $\left(\mathrm{BOD}_{5}\right)$ | XXX | XXX | XXX | 10.0 | XXX | 20 |
| Total Suspended Solids | XXX | XXX | XXX | 10.0 | XXX | 20 |
| Fecal Coliform (No./100 ml) | XXX | XXX | XXX | 200 | XXX | 1,000 |

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 717-705-4732.

The EPA Waiver is in effect.

Northcentral Region: Clean Water Program Manager, 208 West Third Street, Williamsport, PA 17701.
PA0043681, Sewage, SIC Code 4952, Valley Joint Sewer Authority, 1 South River Street, Athens, PA 18810-1701. Facility Name: Valley Joint Sewer Authority Wastewater Treatment Plant. This existing facility is located in Athens Borough, Bradford County.

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated Sewage.
The receiving stream(s), Susquehanna River, is located in State Water Plan watershed 4-B and is classified for Warm Water Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.
The proposed effluent limits for Outfall 001 are based on a design flow of 2.25 MGD.

| Parameters | Mass Units (lbs /day) |  |  | Concentrations (mg/L) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average | Daily |  | Average | Daily | Instant. |
|  | Monthly | Maximum | Minimum | Monthly | Maximum | Maximum |
| Flow (MGD) | Report | Report | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Dissolved Oxygen | XXX | XXX | Report | XXX | XXX | XXX |
| Carbonaceous Biochemical Oxygen | 465 | 750 | XXX | 25 | 40 | 50 |
| Demand ( $\mathrm{CBOD}_{5}$ ) |  | Wkly Avg |  |  | Wkly Avg |  |
| UV Transmittance (\%) | XXX | XXX | Report | XXX | XXX | XXX |
| Biochemical Oxygen Demand $\left(\mathrm{BOD}_{5}\right)$ |  |  |  |  |  |  |
| Raw Sewage Influent | Report | Report | XXX | Report | XXX | XXX |
| Total Suspended Solids | 560 | 840 | XXX | 30 | 45 | 60 |
|  |  | Wkly Avg |  |  | Wkly Avg |  |
| Total Suspended Solids |  |  |  |  |  |  |
| Raw Sewage Influent | Report | Report | XXX | Report | XXX | XXX |
| Fecal Coliform (CFU/100 ml) |  |  |  |  |  |  |
| Oct 1 - Apr 30 | XXX | XXX | XXX | 2,000 | XXX | 10,000 |
|  |  |  |  | Geo Mean |  |  |
| May 1 - Sep 30 | XXX | XXX | XXX | 200 | XXX | 1,000 |
|  |  |  |  | Geo Mean |  |  |
| Ammonia-Nitrogen | Report | XXX | XXX | Report | XXX | XXX |
| Copper, Total ( $\mu \mathrm{g} / \mathrm{L}$ ) (Final) | Report | Report | XXX | Report | Report | XXX |

The proposed monitoring requirements and, where appropriate, effluent limits for implementation of the Chesapeake Bay Tributary Strategy are as follows for Outfall 001.

| Mass Units (lbs/day) |  |  | Concentrations (mg/L) <br> Monthly |  | Instant. |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameters | Monthly | Annual | Monthly | Average | Maximum | Maximum |
| Ammonia—N | Report | Report | XXX | Report | XXX | XXX |
| Kjeldahl—N | Report | XXX | XXX | Report | XXX | XXX |
| Nitrate-Nitrite as N | Report | XXX | XXX | Report | XXX | XXX |
| Total Nitrogen | Report | Report | XXX | Report | XXX | XXX |
| Total Phosphorus | Report | Report | XXX | Report | XXX | XXX |
| Net Total Nitrogen | Report | 41,095 | XXX | XXX | XXX | XXX |
| Net Total Phosphorus | Report | 5,479 | XXX | XXX | XXX | XXX |

* This permit contains conditions which authorize the permittee to apply nutrient reduction credits to meet the Net Total Nitrogen and the Net Total Phosphorus effluent mass limits, under the Department's Chapter 96 regulations. The condition includes the requirement to report the application of these credits in Supplemental Discharge Monitoring Reports (DMRs) submitted to the Department.

In addition, the permit contains the following major special conditions:

- Chesapeake Bay Nutrient Requirements
- Solids Management for Non-Lagoon Systems
- C114-Whole Effluent Toxicity—No Permit Limits
- C123-Stormwater Requirements

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 570-327-3693.
The EPA Waiver is not in effect.
PA0024406, Sewage, SIC Code 4952, Mount Carmel Municipal Authority, 137 W 4th Street, Suite 4, Mount Carmel, PA 17851-2083. Facility Name: Mt Carmel Township Sewer System. This existing facility is located in Mount Carmel Township, Northumberland County.
Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated sewage.

The receiving stream(s), Shamokin Creek, is located in State Water Plan watershed 6-B and is classified for Migratory Fishes and Warm Water Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 2.25 MGD.

| Parameters | Mass Units (lbs/day) |  |  | Concentrations (mg/L) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average | Daily |  | Average | Daily | Instant. |
|  | Monthly | Maximum | Minimum | Monthly | Maximum | Maximum |
| Flow (MGD) | Report | Report | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | XXX | 9.0 |
| Dissolved Oxygen | XXX | XXX | Report | XXX | XXX | XXX |
| Carbonaceous Biochemical Oxygen | 465 | 750 | XXX | 25.0 | 40.0 | 50 |
| Demand ( $\mathrm{CBOD}_{5}$ ) |  | Wkly Avg |  |  | Wkly Avg |  |
| Biochemical Oxygen Demand$\left(\mathrm{BOD}_{5}\right)$ |  |  |  |  |  |  |
| Raw Sewage Influent | Report | Report | XXX | Report | XXX | XXX |
| Total Suspended Solids |  |  |  |  |  |  |
| Raw Sewage Influent | Report | Report | XXX | Report | XXX | XXX |
| Total Suspended Solids | 560 | 840 | XXX | 30.0 | 45.0 | 60 |
|  |  | Wkly Avg |  |  | Wkly Avg |  |
| Fecal Coliform (No./100 ml) |  |  |  |  |  |  |
| Oct 1 - Apr 30 | XXX | XXX | XXX | 2,000 | XXX | 10,000 |
| May 1 - Sep 30 | XXX | XXX | XXX | $\begin{aligned} & \text { Geo Mean } \\ & 200 \end{aligned}$ | XXX | 1,000 |
|  |  |  |  | Geo Mean |  |  |
| Ultraviolet light transmittance (\%) | XXX | XXX | Report | XXX | XXX | XXX |
| Ammonia-Nitrogen |  |  |  |  |  |  |
| Nov 1 - May 31 | Report | XXX | XXX | 11.0 | XXX | 33.0 |
| Jun 1-Oct 31 | Report | XXX | XXX | 5.0 | XXX | 11.0 |
| Zinc, Total ( $\mu \mathrm{g} / \mathrm{L}$ ) | 3.50 | 5.63 | XXX | 200 | 300 | 400 |
| 4,4-DDD ( $\mu \mathrm{g} / \mathrm{L}$ ) | Report | Report | XXX | Report | Report | XXX |
| 4,4-DDT ( $\mu \mathrm{g} / \mathrm{L}$ ) | Report | Report | XXX | Report | Report | XXX |
| 4,4-DDE ( $\mu \mathrm{g} / \mathrm{L}$ ) | Report | Report | XXX | Report | Report | XXX |
| Endosulfan, Total ( $\mu \mathrm{g} / \mathrm{L}$ ) | Report | Report | XXX | Report | Report | XXX |
| Aldrin ( $\mu \mathrm{g} / \mathrm{L}$ ) | Report | Report | XXX | Report | Report | XXX |
| alpha-BHC ( $\mu \mathrm{g} / \mathrm{L}$ ) | Report | Report | XXX | Report | Report | XXX |
| alpha-Endosulfan ( $\mu \mathrm{g} / \mathrm{L}$ ) | Report | Report | XXX | Report | Report | XXX |
| beta-BHC ( $\mu \mathrm{g} / \mathrm{L}$ ) | Report | Report | XXX | Report | Report | XXX |
| beta-Endosulfan ( $\mu \mathrm{g} / \mathrm{L}$ ) | Report | Report | XXX | Report | Report | XXX |
| Bis(2-Ethylhexyl)Phthalate ( $\mu \mathrm{g} / \mathrm{L}$ ) | 0.241 | 0.362 | XXX | 12.895 | 19.34 | 25.79 |
| Dieldrin ( $\mu \mathrm{g} / \mathrm{L}$ ) | Report | Report | XXX | Report | Report | XXX |
| Endrin ( $\mu \mathrm{g} / \mathrm{L}$ ) | Report | Report | XXX | Report | Report | XXX |
| gamma-BHC (Lindane) ( $\mu \mathrm{g} / \mathrm{L}$ ) | Report | Report | XXX | Report | Report | XXX |
| Heptachlor ( $\mu \mathrm{g} / \mathrm{L}$ ) | Report | Report | XXX | Report | Report | XXX |
| Heptachlor Epoxide ( $\mathrm{\mu g} / \mathrm{L}$ ) | Report | Report | XXX | Report | Report | XXX |
| Toxaphene ( $\mathrm{\mu g} / \mathrm{L}$ ) | Report | Report | XXX | Report | Report | XXX |
| Aluminum, Total | Report | XXX | XXX | Report | XXX | XXX |
| Iron, Total | Report | XXX | XXX | Report | XXX | XXX |
| Manganese, Total | Report | XXX | XXX | Report | XXX | XXX |

The proposed monitoring requirements and, where appropriate, effluent limits for implementation of the Chesapeake Bay Tributary Strategy are as follows for Outfall 001.-Limits.

|  | Mass Units (lbs) |  |  | Concentrations (mg/L) <br> Monthly |  | Instant. |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameters | Monthly | Annual | Monthly | Average | Maximum | Maximum |
| Ammonia-N | Report | Report | XXX | Report | XXX | XXX |
| Kjeldahl—N | Report | XXX | XXX | Report | XXX | XXX |
| Nitrate-Nitrite as N | Report | XXX | XXX | Report | XXX | XXX |
| Total Nitrogen | Report | Report | XXX | Report | XXX | XXX |
| Total Phosphorus | Report | Report | XXX | Report | XXX | XXX |
| Net Total Nitrogen* | Report | 41,095 | XXX | XXX | XXX | XXX |
| Net Total Phosphorus* | Report | 5,479 | XXX | XXX | XXX | XXX |

* This permit contains conditions which authorize the permittee to apply nutrient reduction credits to meet the Net Total Nitrogen and the Net Total Phosphorus effluent mass limits, under the Department's Chapter 96 regulations. The condition includes the requirement to report the application of these credits in Supplemental Discharge Monitoring Reports (DMRs) submitted to the Department.

In addition, the permit contains the following major special conditions:

- Chesapeake Bay Nutrient Requirements
- Whole Effluent Toxicity-No Permit Limits
- Requirements Applicable to Stormwater Outfalls

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 570-327-3636.
The EPA Waiver is not in effect.

## Northwest Region: Clean Water Program Manager, 230 Chestnut Street, Meadville, PA 16335-3481.

PA0265225, Sewage, SIC Code 4952, 8800, Mary Ann Urbaniak, 410 Joshua Drive, Erie, PA 16511. Facility Name: Mary Ann Urbaniak SRSTP. This proposed facility is located in Harborcreek Township, Erie County.

Description of Proposed Activity: The application is for a new NPDES permit for a new discharge of treated sewage.
The receiving stream is an un-named tributary of Sixmile Creek, located in State Water Plan watershed 15-A and classified for Cold Water and Migratory Fish, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.
The proposed effluent limits for Outfall 001 are based on a design flow of 0.0004 MGD.

| Parameters | Mass Units (lbs/day) |  |  | Concentrations (mg/L) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average Monthly | Average Weekly | Minimum | Average <br> Monthly | Maximum | Instant. <br> Maximum |
| Flow (MGD) | Report | XXX | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | 9.0 | XXX |
| Biochemical Oxygen Demand $\left(\mathrm{BOD}_{5}\right)$ | XXX | XXX | XXX | 10.0 | XXX | 20.0 |
| Total Suspended Solids | XXX | XXX | XXX | 10.0 | XXX | 20.0 |
| Fecal Coliform (No./100 ml) | XXX | XXX | XXX | 200 | XXX | XXX |

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 814-332-6340.
The EPA Waiver is in effect.
PA0265241, Sewage, SIC Code 4952, 8800, Deborah Young, 155 Miller Hill Road, Warren, PA 16365. Facility Name: Deborah Young SRSTP. This proposed facility is located in Conewango Township, Warren County.
Description of Proposed Activity: The application is for a new NPDES permit for a new discharge of treated SRSTP Sewage.
The receiving stream is an Unnamed Tributary to Jackson Run, located in State Water Plan watershed 16-B and classified for Cold Water Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.0004 MGD.

|  | Mass Units (lbs/day) |  |  | Concentrations (mg/L) |  | Instant. |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average | Average |  | Average | Minimum | Monthly |
| Parameters | Monthly | Weekly | Maximum | Maximum |  |  |
| Flow (MGD) | Report | XXX | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | 9.0 | XXX |
| Biochemical Oxygen Demand | XXX | XXX | XXX | 10.0 | XXX | 20 |
| (BOD ) |  |  |  |  |  |  |
| Total Suspended Solids |  |  | XXX | XXX | XXX | 10.0 |
| Fecal Coliform (No./100 ml) | XXX | XXX | XXX | 200 | XXX | 20 |
|  |  |  |  | Geo Mean |  | XXX |

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 814-332-6340.
The EPA Waiver is in effect.
PA0265128, Sewage, SIC Code 8800, Snider Randy A, 839 Mercer Road, Greenville, PA 16125. Facility Name: Randy Snider SRSTP. This proposed facility is located in Delaware Township, Mercer County.

Description of Proposed Activity: The application is for a new NPDES permit for a new discharge of treated SRSTP Sewage.

The receiving stream(s), Unnamed Tributary to Lawango Run, is located in State Water Plan watershed 20-A and is classified for Warm Water Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.0004 MGD.-Limits.

| Parameters | Mass Units (lbs/day) |  |  | Concentrations (mg/L) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average | Average |  | Average |  | Instant. |
|  | Monthly | Weekly | Minimum | Monthly | Maximum | Maximum |
| Flow (GPD) | Report | XXX | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | 9.0 | XXX |
| Biochemical Oxygen Demand $\left(\mathrm{BOD}_{5}\right)$ | XXX | XXX | XXX | 10.0 | XXX | 20 |
| Total Suspended Solids | XXX | XXX | XXX | 10.0 | XXX | 20 |
| Fecal Coliform (No./100 ml) | XXX | XXX | XXX | 200 | XXX | XXX |

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 814-332-6340.
The EPA Waiver is in effect.
PA0265161, Sewage, SIC Code 8800, 4952 John Schricker, 286 Gravel Lick Road, Strattanville, PA 16258. Facility Name: John Schricker SRSTP. This proposed facility is located in Washington Township, Clarion County.

Description of Proposed Activity: The application is for a new NPDES permit for a new discharge of treated sewage.
The receiving stream is an unnamed tributary to Blyson Run, located in State Water Plan watershed 17-B and classified for Exceptional Value Waters, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.0004 MGD.

| Parameters | Mass Units (lbs/day) |  |  | Concentrations (mg/L) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average <br> Monthly | Average Weekly | Minimum | Average <br> Monthly | Maximum | Instant. <br> Maximum |
| Flow (MGD | Report | XXX | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | 9.0 | XXX |
| Biochemical Oxygen Demand $\left(\mathrm{BOD}_{5}\right)$ | XXX | XXX | XXX | 10.0 | XXX | 20.0 |
| Total Suspended Solids | XXX | XXX | XXX | 10.0 | XXX | 20.0 |
| Fecal Coliform (No./100 ml) | XXX | XXX | XXX | 200 | XXX | XXX |

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 814-332-6340.

The EPA Waiver is in effect.
PA0265276, Sewage, SIC Code 4952, 8800, Patricia Jo Drescher Porter, 110 Carmona Road, Grove City, PA 16127. Facility Name: Patricia Jo Drescher Porter SFTF. This proposed facility is located in Liberty Township, Mercer County.

Description of Proposed Activity: The application is for a new NPDES permit for a new discharge of treated sewage.
The receiving stream is an unnamed tributary of Black Run, located in State Water Plan watershed 20-C and classified for Cold Water Fish, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.0004 MGD.

| Parameters | Mass Units (lbs/day) |  |  | Concentrations (mg/L) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average | Average |  | Average |  | Instant. |
|  | Monthly | Weekly | Minimum | Monthly | Maximum | Maximum |
| Flow (MGD) | Report | XXX | XXX | XXX | XXX | XXX |
| pH (S.U.) | XXX | XXX | 6.0 | XXX | 9.0 | XXX |
| Biochemical Oxygen Demand $\left(\mathrm{BOD}_{5}\right)$ | XXX | XXX | XXX | 10.0 | XXX | 20 |
| Total Suspended Solids | XXX | XXX | XXX | 10.0 | XXX | 20 |
| Fecal Coliform (CFU/100 ml) | XXX | XXX | XXX | 200 | XXX | XXX |

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 814-332-6340.

The EPA Waiver is in effect.
PA0221970, Industrial, SIC Code 4941, Greenville Borough Municipal Authority, 44 Clinton Street, Greenville, PA 16125-2281. Facility Name: Greenville Borough WTP. This existing facility is located in Hempfield Township, Mercer County.
Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated industrial waste.
The receiving stream, the Shenango River, is located in State Water Plan watershed 20-A and is classified for warm water fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.12 MGD.

|  | Mass Units (lbs/day) |  |  | Concentrations (mg/L) |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average | Average |  | Average | Daily | Instant.

In addition, the permit contains the following major special conditions:

- Solids Handling
- Sedimentation Basin Cleaning
- Chemical Additives
- Chlorine Minimization

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 814-332-6340.

The EPA Waiver is in effect.

## III. WQM Industrial Waste and Sewerage Applications under The Clean Streams Law

Northwest Region: Clean Water Program Manager, 230 Chestnut Street, Meadville, PA 16335-3481.
WQM Permit No. 1617404, Sewage, Valerie Gressang, 181 Stoup Road, Mars, PA 16046.
This proposed facility is located in Licking Township, Clarion County.
Description of Proposed Action/Activity: Single Residence Sewage Treatment Plant.
WQM Permit No. 2517409, Sewage, Michael Roofner, 6017 Firman Road, Erie, PA 16510.
This proposed facility is located in Harborcreek Township, Erie County.
Description of Proposed Action/Activity: Single Residence Sewage Treatment Plant.
WQM Permit No. 6217413, Sewage, Jay Anderson, 781 Quaker Hill Road, Warren, PA 16365.
This proposed facility is located in Glade Township, Warren County.
Description of Proposed Action/Activity: Single Residence Sewage Treatment Plant.
WQM Permit No. 4217404, Sewage, Leon Pilon, 267 W Eldred Road, Eldred, PA 16731-2705.
This proposed facility is located in Eldred Township, McKean County.
Description of Proposed Action/Activity: Small Flow Treatment Facility.
WQM Permit No. 4217405, Sewage, Joseph Langianese, 200 Fernwood Drive, Bradford, PA 16701.
This proposed facility is located in Bradford Township, McKean County.
Description of Proposed Action/Activity: Single Residence Sewage Treatment Plant.
VI. NPDES Individual Permit Applications for Discharges of Stormwater Associated with Construction Activities

Northeast Region: Waterways and Wetlands Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915.
Lackawanna County Conservation Dist, 1038 Montdale Road, Suite 109, Scott Twp., PA 18447.

| NPDES | Applicant Name \& |  | Receiving |  |
| :--- | :--- | :--- | :--- | :--- |
| Permit No. | Address | County | Municipality | Water/Use |
| PAD350004 | Scranton Lackawanna | Lackawanna | City of Scranton, | Stafford Meadow Brook |
|  | Industrial Building Company |  | Moosic Borough | (HQ-CWF, MF) |
|  | 222 Mulberry St. |  |  |  |
|  | P.O. Box 341 |  |  |  |

Lehigh County Conservation District, Lehigh Ag Center, Suite 102, 4184 Dorney Park Rd., Allentown, PA 18104.

| NPDES | Applicant Name \& |  | Receiving |  |
| :--- | :--- | :--- | :--- | :--- |
| Permit No. | Address | County | Municipality | Water/Use |
| PAD390033 | The Swain School | Lehigh | Salisbury Township | Lehigh Little Creek |
|  | 1100 S. 24th St. |  |  | (HQ-CWF, MF) |

## NOTICES

Monroe County Conservation District, 8050 Running Valley Rd., Stroudsburg, PA 18360-0917.

| NPDES | Applicant Name \& Address |  |  | Receiving |
| :---: | :---: | :---: | :---: | :---: |
| Permit No. | Address | County | Municipality | Water/Use |
| PAD450040 | Hannig Development LLC 200 Plaza Court East Stroudsburg, PA 18301 | Monroe | Tobyhanna Township | Tobyhanna Creek <br> (HQ-CWF, MF) |
| PAD450030 | Douglas \& Colette Belanger 133 Nicoll Lane Henryville, PA 18332 | Monroe | Pocono Township | UNT Cranberry Creek (HQ-CWF, MF) |
| Northamp | nty Conservation District, 14 | edale Avenue | ystone Bldg., Nazare | 18064-9211. |
| NPDES <br> Permit No. | Applicant Name \& Address | County | Municipality | Receiving Water/Use |
| PAD480031 | Jim Chrin/The Charles Chrin Real Estate Trust 400 S. Greenwood Ave Easton, PA 18045 | Northampton | Palmer Township, Tatamy Borough | Bushkill Creek (HQ-CWF, MF) Shoeneck Creek (WWF, MF) |

Southcentral Region: Waterways \& Wetlands Program, 909 Elmerton Avenue, Harrisburg, PA 17110-8200, Nathan Crawford, Section Chief, 717.705.4802.

| Permit \# | Applicant Name \& Address | County | Municipality | Receiving <br> Water/Use |
| :---: | :---: | :---: | :---: | :---: |
| PAD360016 | Colleen Kester PPL Electric Utilities Corporation 2 North Ninth Street Allentown, PA 18101 | Lancaster County | Earl, East Earl, Leacock and Paradise Townships | Londonland Run (CWF, MF) Houston Run (CWF, MF) <br> Pequea Creek (WWF, MF) UNT Pequea Creek (CWF, MF) UNT Umbles Run (HQ, CWF, MF) Groff Run (WWF, MF) <br> Wetland GRO Wetland GRK UNT Groff Run (WWF, MF) UNT 1 Mill Creek (WWF, MF) UNT 2 Mill Creek (CWF, MF) Mill Creek (CWF, MF) Wetland GRE |
| PAD440002 | Dan Hawbaker <br> Centre Lime \& Stone Co., Inc. <br> 1952 Waddle Road <br> State College, PA 16803 | Mifflin County | Brown Township | Tea Creek (HQ-CWF) |
| Southwest Region: Waterways \& Wetlands Program, 400 Waterfront Drive, Pittsburgh, PA 15222, Dana Drake, Waterways and Wetlands Program Manager, 412-442-4000. |  |  |  |  |
| Permit No. | Applicant \& Address | County | Municipality | Stream Name |
| PAI050216006 | TC NE Metro Development, Inc., US Steel Building Suite 4800 600 Grant Street Pittsburgh, PA 15219 | Allegheny County | City of Pittsburgh | Monongahela River (WWF) |

Northwest Region: Watershed Management Program Manager, 230 Chestnut Street, Meadville, PA 16335-3481.

| NPDES | Applicant Name \& |  | Receiving |  |
| :--- | :--- | :--- | :--- | :--- |
| Permit No. | Address | County | Municipality | Water/Use |
| PAD200002 | Snow Waters Development, LLC | Crawford | Summit Township | Inlet Run HQ-WWF |
|  | 20 South Santa Cruz Avenue | County |  |  |
|  | Suite 320 | Conservation |  |  |
|  | Los Gatos, CA 95030 | District |  |  |
|  |  | Woodcock |  |  |
|  |  | Creek Nature |  |  |
|  |  | Center |  |  |
|  |  | 21742 German |  |  |
|  |  | Road |  |  |
|  |  | Meadville, PA |  |  |
|  |  | 16335 |  |  |

## VII. List of NOIs for NPDES and/or Other General Permit Types

| PAG-12 CAFOs |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| General Permit Type—PAG-13 |  |  |  |  |
| Southcentral Region: Clean Water Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110. Phone: 717-705-4707. |  |  |  |  |
| NPDES Permit No. | Applicant Name \& Address | Municipality, County | Waiver Application Submitted $(Y / N)$ | Pollutant Reduction Plan Submitted (Y/N) |
| PAG133721 | Windsor Township, Berks County 730 Monument Road Hamburg, PA 19526 | Windsor Township, Berks County | Y | N |
| PAG133720 | Centerport Borough, Berks County <br> 110 Callowhill Street Centerport, PA 19516 | Centerport Borough, Berks County | Y | N |
| STATE CONSERVATION COMMISSION |  |  |  |  |
| PROPOSED NUTRIENT MANAGEMENT PLANS RELATED TO APPLICATIONS FOR NPDES PERMITS FOR CAFOs |  |  |  |  |

This notice provides information about agricultural operations that have submitted nutrient management plans (NMPs) for approval under 3 Pa.C.S. Chapter 5 and that have or anticipate submitting applications for new, amended or renewed NPDES permits, or Notices of Intent (NOIs) for coverage under a general permit, for CAFOs, under 25 Pa. Code Chapter 92a. This notice is provided in accordance with 25 Pa . Code Chapter 92a and 40 CFR Part 122, implementing The Clean Streams Law and the Federal Clean Water Act.
Based upon preliminary reviews, the State Conservation Commission (SCC) or County Conservation Districts (CCD) working under a delegation agreement with the SCC have completed an administrative review of NMPs described. These NMPs are published as proposed plans for comment prior to taking final actions. The NMPs are available for review at the CCD office for the county where the agricultural operation is located. A list of CCD office locations is available at http://www.nacdnet.org/about/districts/directory/pa.phtml or can be obtained from the SCC at the office address listed or by calling (717) 787-8821.

Persons wishing to comment on an NMP are invited to submit a statement outlining their comments on the plan to the CCD, with a copy to the SCC for each NMP, within 30 days from the date of this public notice. Comments received within the respective comment periods will be considered in the final determinations regarding the NMPs. Comments should include the name, address and telephone number of the writer and a concise statement to inform the SCC of the exact basis of the comments and the relevant facts upon which they are based. Comments should be sent to the SCC, Agriculture Building, Room 310, 2301 North Cameron Street, Harrisburg, PA 17110.

Persons with a disability who require an auxiliary aid, service, including TDD users or other accommodations to seek additional information should contact the SCC through the Pennsylvania AT\&T Relay Service at (800) 654-5984.

## ACT 38

## NUTRIENT MANAGEMENT PLANS <br> CAFO PUBLIC NOTICE SPREADSHEET—APPLICATIONS

|  |  |  | Special |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Agricultural Operation |  |  | Animal | Wrotection | Waters (HQ $\quad$ New or


| Agricultural Operation Name and Address | Total |  |  | Special Protection |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Animal | Waters (HQ | New or |
|  | County | Acres | AEU's | Type | or EV or NA) | Renewal |
| Pigeon Hill Farms, LLC | York | 1.0 | 365.57 | Poultry | NA | Renewal |

9078 Orchard Road
Spring Grove, PA 17362

## PUBLIC WATER SUPPLY (PWS) PERMITS

Under the Pennsylvania Safe Drinking Water Act (35 P.S. §§ 721.1-721.17), the following parties have applied for PWS permits to construct or substantially modify public water systems.

Persons wishing to comment on permit applications are invited to submit statements to the office listed before the application within 30 days of this public notice. Comments received within this 30 -day comment period will be considered in the formulation of the final determinations regarding an application. A comment should include the name, address and telephone number of the writer and a concise statement to inform the Department of the exact basis of a comment and the relevant facts upon which it is based. A public hearing may be held after consideration of comments received during the 30 -day public comment period.

Following the comment period, the Department will make a final determination regarding the proposed permit. Notice of this final determination will be published in the Pennsylvania Bulletin at which time this determination may be appealed to the Environmental Hearing Board.

The permit application and related documents are on file at the office listed before the application and available for public review. Arrangements for inspection and copying information should be made with the office listed before the application.

Persons with a disability that require an auxiliary aid, service or other accommodations to participate during the 30 -day public comment period should contact the office listed before the application. TDD users may contact the Department through the Pennsylvania AT\&T Relay Service at (800) 654-5984.

## SAFE DRINKING WATER

## Applications Received Under the Pennsylvania Safe Drinking Water Act

Southcentral Region: Safe Drinking Water Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110.

Permit No. 0717501, Public Water Supply.

| Applicant | Altoona Soft Water Company, <br> Inc. |
| :--- | :--- |
| Municipality | Logan Township |
| County | Blair |
| Responsible Official | Timothy A. Washko, Co-Owner <br>  <br>  <br> 445 South Logan Boulevard |
| Type of Facility | Altoona, PA 16602 |
| Public Water Supply |  |

Consulting Engineer

Application Received:
Description of Action
Altoona Soft Water Company, Inc. has submitted an application for the approval to modify the existing bottling process at Crystal Pure of Altoona, Inc. to increase production efficiency. Modifications include removal of the existing washing machine and installing a new Triton 160 Automatic Bottle Washer/Filler/Capper as well as relocating the reverse osmosis and ultraviolet machines.

Permit No. 2917502, Public Water Supply.
Applicant
Municipality
County
Responsible Official

## Fraternal Order of Eagles \#

 4274Licking Creek Township
Fulton
Brandon Fletcher, FOE, Secretary
5830 Lincoln Highway
Harrisonville, PA 17228
Type of Facility Public Water Supply
Consulting Engineer Joseph M. McDowell, P.E.
Martin \& Martin, Inc.
37 S. Main Street
Chambersburg, PA 17201
Application Received:
8/7/2017
Description of Action
Fraternal Order of Eagles \# 4274
has submitted an application to install new treatment facilities including an aeration filter, cartridge filter, arsenic removal system, chlorination dosing meter, chemical feed pump, 15 -gallon chlorine solution tank, and two 120-gallon retention tanks to provide 4-log inactivation of viruses.

Permit No. 3617513 MA, Minor Amendment, Public Water Supply.
Applicant
Municipality
County
P.C.S. Chadaga

Penn Township
Lancaster

| Responsible Official | P.C.S Chadaga, Log Cabin Court 1300 Market Street <br> Suite 201 <br> PO Box 622 <br> Lemoyne, PA 17043-0622 |
| :---: | :---: |
| Type of Facility | Public Water Supply |
| Consulting Engineer | Charles A. Kehew II, P.E. <br> James R. Holley \& Associates, Inc. <br> 18 South George Street York, PA 17401 |
| Application Received: | 8/16/2017 |
| Description of Action | Penn Valley Village MHP Storage Tank Replacement. |

Permit No. 2817507 MA, Minor Amendment, Public Water Supply.

| Applicant | Shippensburg Borough Authority |
| :---: | :---: |
| Municipality | Southampton Township |
| County | Franklin |
| Responsible Official | John Eply, Borough Manager 111 North Fayeete Street PO Box 129 <br> Shippensburg, PA 17257-2147 |
| Type of Facility | Public Water Supply |
| Consulting Engineer | Dennis Hammaker, P.E. RETTEW Associates, Inc. 3020 Columbia Avenue Lancaster, PA 17603 |
| Application Received: | 8/21/2017 |
| Description of Action | Well No. 2 facility improvements and addition of an sodium hypochlorite disinfection system. |
| Northwest Region: Safe Drinking Water Program Manager, 230 Chestnut Street, Meadville, PA 16335-3481. |  |
| Permit No. 2787501-T2-MA3, Public Water Supply. |  |
| Applicant | Cornell Abraxis Group Inc. |
| Township or Borough | Howe Township |
| County | Warren |
| Responsible Official | Scott Jackovitz |
| Type of Facility | Public Water Supply |
| Consulting Engineer | Donnell Duncan Utility Service Company, Inc. 1230 Peachtree Street NE Atlanta, GA 30309 |
| Application Received Date | August 25, 2017 |
| Description of Action | Renovation of 75K GST Tank 1 |
| WATER ALLOCATIONS |  |

Applications received under the act of June 24, 1939 (P.L. 842, No. 365) (35 P.S. §§ 631-641) relating to the Acquisition of Rights to Divert Waters of the Commonwealth

Southwest Region: Water Supply Management Program Manager, 400 Waterfront Drive, Pittsburgh, PA 152224745.

WA32-186E, Water Allocations. Central Indiana County Water Authority, 30 East Wiley Street, Homer

City, PA 15748, Indiana County. The applicant is requesting the right to withdraw 1,300,000 gallons of water per day, peak day, from Yellow Creek.

## LAND RECYCLING AND ENVIRONMENTAL REMEDIATION

UNDER ACT 2, 1995<br>PREAMBLE 1

Acknowledgment of Notices of Intent to Remediate Submitted under the Land Recycling and Environmental Remediation Standards Act (35 P.S. §§ 6026.101-6026.907)

Sections 302-305 of the Land Recycling and Environmental Remediation Standards Act (act) (35 P.S. §§ 6026.302-6026.305) require the Department to publish in the Pennsylvania Bulletin an acknowledgment noting receipt of Notices of Intent to Remediate. An acknowledgment of the receipt of a Notice of Intent to Remediate is used to identify a site where a person proposes to, or has been required to, respond to a release of a regulated substance at a site. A person intending to use the background standard, Statewide health standard, the site-specific standard or intend to remediate a site as a special industrial area shall file a Notice of Intent to Remediate with the Department. A Notice of Intent to Remediate filed with the Department provides a brief description of the location of the site, a list of known or suspected contaminants at the site, the proposed remediation measures for the site and a description of the intended future use of the site. A person who demonstrates attainment of one or a combination of cleanup standards or receives approval of a special industrial area remediation identified under the act will be relieved of further liability for the remediation of the site for contamination identified in reports submitted to and approved by the Department. Furthermore, the person shall not be subject to citizen suits or other contribution actions brought by responsible persons not participating in the remediation.

Under sections 304(n)(1)(ii) and 305(c)(2) of the act, there is a 30 -day public and municipal comment period for sites proposed for remediation using a site-specific standard, in whole or in part, and for sites remediated as a special industrial area. This period begins when a summary of the Notice of Intent to Remediate is published in a newspaper of general circulation in the area of the site. For the following site, proposed for remediation to a site-specific standard or as a special industrial area, the municipality, within which the site is located, may request to be involved in the development of the remediation and reuse plans for the site if the request is made within 30 days of the date specified as follows. During this comment period, the municipality may request that the person identified as the remediator of the site develop and implement a public involvement plan. Requests to be involved and comments should be directed to the remediator of the site.

For further information concerning the content of a Notice of Intent to Remediate, contact the environmental cleanup program manager in the Department regional office listed before the notice. If information concerning this acknowledgment is required in an alternative form, contact the community relations coordinator at the appropriate regional office. TDD users may telephone the Department through the Pennsylvania AT\&T Relay Service at (800) 654-5984.

The Department has received the following Notices of Intent to Remediate:
Southeast Region: Environmental Cleanup Program Manager, 2 East Main Street, Norristown, PA 19401.
2012 Wharton Street Site, 2012 Wharton Street, City of Philadelphia, Philadelphia County. David Farrington, Brickhouse Environmental, 515 South Franklin Street, West Chester, PA 19382 on behalf of Stephen Huxta, Brickhouse Environmental, 515 South Franklin Street, West Chester, PA 19382 submitted a Notice of Intent to Remediate. Soil and groundwater at the site has been impacted by fuel oil and gasoline. The proposed future use of the property is residential housing. The Notice of Intent to Remediate was published in The South Philly Review on July 6, 2017.

Spring Garden School, 843-847 North 12th Street \& 1115 Parrish Street, City of Philadelphia, Philadelphia County. David Bishop, REPSG, Inc., 6901 Kingsessing Avenue, Second Floor, Philadelphia, PA 19142 on behalf of David Cleghorn, HELP PA V LP, 5115 East 13th Street, New York, NY 10003 submitted a Notice of Intent to Remediate. Soil at the site has been impacted with the release of PAHs and vanadium. The site was historically developed for residential and commercial usages and was redeveloped as a high school. The Notice of Intent to Remediate was published in Daily Local News on August 1, 2017.
Bartram's Mile-Former CSX Transportation Inc., 1627 South 49th Street, City Philadelphia, Philadelphia County. Kevin McKeever, Langan, 2700 Kelly Road, Warrington, PA 18976 on behalf of Juddson Herr, Langan, 2700 Kelly Road, Warrington, PA 18976 submitted a Notice of Intent to Remediate. Soil at the site has been impacted with the release of other organics. The city of Philadelphia plans to redevelop the site as a segment of the Schuylkill banks public recreation trail. The Notice of Intent to Remediate was published in Philadelphia Daily News on August 7, 2017.

Silvi Concrete of Montgomery County, 17 Penn Road, Limerick Township, Montgomery County. Jeffery T. Bauer, Whitestone Associates, Inc., 1600 Manor Drive, Suite 220, Chalfont, PA 18914 on behalf of Sean W. Earlen, Silvi Group Companies, 355 Newbold Road, Fairless Hills, PA 19030 submitted a Notice of Intent to Remediate. Groundwater at the site was found to be contaminated with trichloroethylene. The site is proposed for continued use as a concrete plant. The Notice of Intent to Remediate was published in the Mercury Digital on August 16, 2017.

Country Builders, Inc., 443 Madison Avenue, Middletown Township, Bucks County. Jeremy Bolyn, Environmental Maintenance Company, Inc., 1420 East Mermaid Lane, Glenside, PA 19038 on behalf of Robert A. Yetran, County Builders, Inc., P.O. Box 575, Langhorne, PA 19047 submitted a Notice of Intent to Remediate. Soil at the site was impacted by petroleum. The proposed future use of the property will be residential. The Notice of Intent to Remediate was published in the Bucks County Courier Times on July 9, 2017.
Satlow Residence, 314 Maplewood Avenue, Lower Merion Township. Montgomery County. Patrick Crawford, Crawford Environmental Services, LLC, 20 Cardinal Drive, Birdsboro, PA 19508 on William JohnVilla, Crawford Environmental Services, LLC, 20 Cardinal Drive, Birdsboro, PA 19508 submitted a Notice of Intent to Remediate. Soil at the site was impacted by home heating oil. The current and future use of the
property is expected to be for residential use. The Notice of Intent to Remediate was published in the Main Line Times on August 14, 2017.

## Northeast Region: Eric Supey, Environmental Cleanup \& Brownfields Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915.

Newhall Property, 3605 Stephen Crane Lane, Hanover Township, Northampton County, United Environmental Services Inc., 1143 Long Run Road, Schuylkill Haven, PA 17972, on behalf of John Newhall, 3605 Stephen Crane Lane, Bethlehem, PA 18017, submitted a Notice of Intent to Remediate. During a routine oil delivery, an insect nest within a vent pipe caused a heating oil AST to become over pressurized and rupture, releasing No. 2 fuel oil into the basement and impacting the underlying soil. The proposed future use of the property is for residential purposes. The Notice of Intent to Remediate was published in The Press Group Newspapers on August 9, 2017.

## DETERMINATION OF APPLICABILITY FOR RESIDUAL WASTE GENERAL PERMITS

Determination of Applicability for General Permit Issued Under the Solid Waste Management Act (35 P.S. §§ 6018.101-6018.1003); the Municipal Waste Planning, Recycling and Waste Reduction Act (53 P.S. §§ 4000.101-4000.1904); and Residual Waste Regulations for a General Permit to Operate Residual Waste Processing Facilities and/or the Beneficial Use of Residual Waste Other Than Coal Ash.

[^1]General Permit No. WMGR096SE008. Pennsylvania Department of Transportation, District 6-0, 7000 Geerdes Boulevard, King of Prussia, PA 19406. This application is for the determination of applicability (DOA) under General Permit No. (WMGR096) for the beneficial use of regulated fill material as defined in Department of Environmental Protection, (DEP) Document No. 258-2182-2773 (Management of Fill) to be used as construction material at the SR 0926 Brandywine Bridge Replacement Project located in Brandywine and Pocopson Townships, Chester County. The application for determination of applicability was issued by the Southeast Regional Office on August 17, 2017.

Persons interested in reviewing the general permit may contact the Pennsylvania Department of Environmental Protection ("DEP") Waste Management Program Manager, Southeast Regional Office, 2 East Main Street, Norristown, PA 19401-4915, or by telephone at 484.250.5960. TDD users may contact the DEP through the Pennsylvania AT\&T Relay Service, (800) 654.5984.

## General Permit No. WMGR081SE005. Vintage Tech

 LLC, 900 Wheeler Way, Langhorne, PA 19047. This application is for the determination of applicability (DOA) to process and store electronic scrap prior to reuse or recycle in accordance with the beneficial use permit No. WMGR081 at the Vintage Tech, LLC facility located at 900 Wheeler Way in Middletown Township, Bucks County. The application of determination of applicability was issued by the Southeast Regional Office on August 18, 2017.Persons interested in reviewing the general permit may contact the Pennsylvania Department of Environmental Protection ("DEP") Waste Management Program Manager, Southeast Regional Office, 2 East Main Street, Nor-
ristown, PA 19401-4915, or by telephone at 484.250.5960. TDD users may contact the DEP through the Pennsylvania AT\&T Relay Service, (800) 654.5984.

## OPERATE WASTE PROCESSING OR DISPOSAL AREA OR SITE

Permit Revoked Under the Solid Waste Management Act, the Municipal Waste Planning, Recycling and Waste Reduction Act and Regulations to Operate Solid Waste Processing or Disposal Area or Site.

Southeast Region: Regional Solid Waste Manager, 2 East Main Street, Norristown, PA 19401.

Permit No. 300825. United States Steel Corporation, 600 Grant Street, Pittsburgh, PA 15219-2702. This permit application is for approval of a final closure certification, and the corresponding revocation of Permit No. 300825, for Slag Area B, a residual waste disposal facility located at the USS Fairless Works in Falls Township, Bucks County. The permit was revoked by the Southeast Regional Office on August 14, 2017.

Persons interested in reviewing the general permit may contact the Pennsylvania Department of Environmental Protection ("DEP") Waste Management Program Manager, Southeast Regional Office, 2 East Main Street, Norristown, PA 19401-4915, or by telephone at 484.250.5960. TDD users may contact the DEP through the Pennsylvania AT\&T Relay Service, (800) 654.5984.

## AIR QUALITY <br> PLAN APPROVAL AND OPERATING PERMIT APPLICATIONS

The Department has developed an "integrated" plan approval, State Operating Permit and Title V Operating Permit program. This integrated approach is designed to make the permitting process more efficient for the Department, the regulated community and the general public. This approach allows the owner or operator of a facility to submit permitting documents relevant to its application for all sources related to a facility or a proposed project, affords an opportunity for public input, and provides for a decision on the issuance of the necessary permits.
The Department received applications for Plan Approvals or Operating Permits from the following facilities.

Copies of the application, the Department's analysis, all pertinent documents used in the evaluation of the application and subsequently prepared proposed plan approvals/operating permits are available for public review during normal business hours at the appropriate Department Regional Office. Appointments for scheduling a review must be made by calling the appropriate Department Regional Office. The address and phone number of the Regional Office is listed before the application notices.
Persons wishing to file a written protest or provide comments or additional information, which they believe should be considered prior to the issuance of a permit, may submit the information to the Department's Regional Office. A 30-day comment period from the date of this publication will exist for the submission of comments, protests and information. Each submission must contain the name, address and telephone number of the person submitting the comments, identification of the proposed Plan Approval/Operating Permit including the permit number and a concise statement regarding the relevancy of the information or objections to issuance of the permit.

A person wishing to request a hearing may do so during the 30-day comment period. A public hearing may be held, if the Department, in its discretion, decides that a hearing is warranted based on the information received. Persons submitting comments or requesting a hearing will be notified of the decision to hold a hearing by publication in the newspaper, the Pennsylvania Bulletin or by telephone, when the Department determines this type of notification is sufficient. Requests for a public hearing and any relevant information should be directed to the appropriate Department Regional Office.

Permits issued to the owners or operators of sources subject to 25 Pa . Code Chapter 127, Subchapter D or E, or located within a Title V facility or subject to 25 Pa. Code § 129.51(a) or permits issued for sources with limitations on their potential to emit used to avoid otherwise applicable Federal requirements may be submitted to the United States Environmental Protection Agency for review and approval as a revision to the State Implementation Plan. Final Plan Approvals and Operating Permits will contain terms and conditions to ensure that the sources are constructed and operating in compliance with applicable requirements in the Air Pollution Control Act ( 35 P.S. §§ 4001-4015), 25 Pa. Code Chapters 121-145, the Federal Clean Air Act ( 42 U.S.C.A. $\S \S 7401-7671 q$ ) and regulations adopted under the Federal Clean Air Act.

Persons with a disability who wish to comment and require an auxiliary aid, service or other accommodation to participate should contact the regional office listed before the application. TDD users may contact the Department through the Pennsylvania AT\&T Relay Service at (800) 654-5984.

Intent to Issue Plan Approvals and Intent to Issue or Amend Operating Permits under the Air Pollution Control Act (35 P.S. §§ 4001-4015) and 25 Pa. Code Chapter 127, Subchapter B. These actions may include the administrative amendments of an associated operating permit.
Southeast Region: Air Quality Program, 2 East Main Street, Norristown, PA 19401.

Contact: James A. Beach, New Source Review ChiefTelephone: 484-250-5920.
09-0196K: Abington Reldan Metals, LLC (ARM) (550 Old Bordentown Rd, Fairless Hills, PA 19330) for the installation and temporary operation of a Scrubber in Falls Township, Bucks County. ARM is an existing precious metal refining facility. ARM operates under Synthetic Minor operating permit No. 09-00196. The proposed scrubber will replace an existing scrubber approaching the end of its operating life. The scrubber will remove nitrogen oxides emissions with at least $95 \%$ efficiency, and the facility will perform a stack test within 180 days after operation to demonstrate compliance with the efficiency requirement. The plan approval contains monitoring, recordkeeping, reporting, and work practice standards designed to keep the facility operating within all applicable air quality requirements.

Southcentral Region: Air Quality Program, 909 Elmerton Avenue, Harrisburg, PA 17110.

Contact: Thomas Hanlon, Facilities Permitting Chief, 717-705-4862, Virendra Trivedi, New Source Review Chief, 717-705-4863, or William Weaver, Regional Air Quality Manager, 717-705-4702.

05-05029A: Rockland Mfg. Co. (152 Weber Lane, Bedford, PA 15522) for the construction of a coating booth
at the construction equipment attachment manufacturing facility located in Bedford Township, Bedford County. The expected increases in facility emissions as a result of the changes proposed are: 12.0 tons per year of VOCs. The facility is a State Only facility. DEP's review of the information submitted by the applicant indicates that the air contamination sources as constructed or modified will comply with all regulatory requirements pertaining to air contamination sources and the emission of air contaminants including the best available technology requirement (BAT) of 25 Pa . Code §§ 127.1 and 127.12 , and 25 Pa. Code § 129.52-Surface coating processes, 25 Pa. Code § 129.52d-Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings, and 40 CFR Part 63, Subpart XXXXXX—National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories. Based on these findings, the Department proposes to issue a plan approval for the proposed construction. If, after the project has been implemented, the Department determines that the sources are constructed and operated in compliance with the plan approval conditions and the specification of the application for plan approval, the requirements established in the plan approval may be incorporated into an Operating Permit pursuant to the provisions of 25 Pa . Code Chapter 127.

Northcentral Region: Air Quality Program, 208 West Third Street, Williamsport, PA 17701.
Contact: Muhammad Q. Zaman, Environmental Program Manager-Telephone: 570-327-3648.

47-00001G: Montour LLC (PO Box 128, Washingtonville, PA 17884) for the modification of the two primary utility boilers and one auxiliary boiler to add the capacity of these sources to combust natural gas at Montour Steam Electric Station in Derry Township, Montour County.
The Department of Environmental Protection's (Department) review of the information submitted by Montour, LLC indicates that the air contamination sources to be constructed will comply with all regulatory requirements pertaining to air contamination sources and the emission of air contaminants including New Source Review, New Source Performance Standards, and the Mercury \& Air Toxics Standards. Based on this finding, the Department proposes to issue a plan approval for the proposed modification.
The following is a brief description of the conditions the Department intends to place in the plan approval in order to ensure compliance with all applicable air quality regulatory requirements.

1. Pursuant to 25 Pa . Code § 127.12 b and the New Source Review requirements of 25 Pa . Code § 127.203a, the permittee shall not permit the combined total emissions of volatile organic compounds (VOC) from the modifications to the two primary and one auxiliary boiler to exceed 39.3 tons in any 12 consecutive month period. Additionally, combined total VOC emissions into the atmosphere from these boilers shall not be greater than 125.1 tons in any 12 consecutive month period.
2. The permittee shall comply with the applicable monitoring, recordkeeping, and reporting requirements pertaining to the boilers as specified in 25 Pa . Code § 127.203a(a)(5)(iii)(B).
3. (a) The quantity of natural gas combusted in each primary boiler shall not exceed 13,000 MMscf per boiler
in any 12 consecutive month period. (b) The heat input provided by natural gas to each primary boiler shall not exceed $35 \%$ of total heat input to the boiler, on an hourly basis.
4. To satisfy the New Source Review requirements, the permittee shall be in possession of 50.95 tons of volatile organic compound (VOC) emission reduction credits prior to the startup of any modified source included in this plan approval.
5. The natural gas used to operate the boilers shall meet pipeline quality natural gas specifications.
6. No later than 180 days from the date of startup after the completion of the natural gas burner installations, the permittee shall perform EPA reference method stack testing for volatile organic compounds (VOC), carbon monoxide (CO), particulate matter with a diameter less than 10 microns $\left(\mathrm{PM}_{10}\right)$, and particulate matter with a diameter less than 2.5 microns $\left(\mathrm{PM}_{2.5}\right)$, including condensable particulate, on the primary boilers to determine site-specific VOC, CO, $\mathrm{PM}_{10}$, and $\mathrm{PM}_{2.5}$ emission rates and verify compliance, while the source is operated within $5.0 \%$ of its maximum natural gas combustion capacity at routine maximum operating conditions.
7. No later than 180 days from the date of completion of the modifications to Auxiliary Boiler 11A, the permittee shall perform EPA reference method stack testing for $\mathrm{NO}_{\mathrm{x}}$, VOCs, $\mathrm{CO}, \mathrm{PM}_{10}$ and $\mathrm{PM}_{2.5}$ to determine sitespecific emission rates and verify compliance, while the source is operated on natural gas at routine maximum operating conditions.
8. The permittee shall continuously monitor the hourly heat input (MMBtu/hr) to the primary boilers for each type of fuel combusted.
9. The permittee shall obtain and maintain records of the current, valid purchase contract, tariff sheet, or transportation contract from the natural gas supplier that certify the natural gas supplied to the facility meets pipeline quality specifications. The permittee shall create and maintain records of the combined VOC emissions on a monthly basis from the boilers to ensure that the emissions from all three units do not exceed the continuous 12 -month rolling limitation. The permittee shall create and maintain records of the fuel mix combusted in the primary boilers, as a percentage of total heat input to the boiler, on an hourly, daily, and monthly basis. All records generated to verify compliance with the conditions of this plan approval shall be kept for minimum of five (5) years and shall be available upon request by the Department.
10. No later than 90 days from the date of completion of the modifications to Auxiliary Boiler 11A, a revised $\mathrm{NO}_{\mathrm{x}}$ Emissions Predictive System Monitoring Plan which includes natural gas-firing scenarios, shall be submitted to the Department for approval.

The facility is a major (Title V) facility. If the Department determines that the sources are constructed and operated in compliance with the plan approval conditions and the specification of the application for Plan Approval 47-00001G, the requirements established in the plan approval will be incorporated into Title V Operating Permit 47-00001 pursuant to the administrative amendment provisions of 25 Pa . Code § 127.450.

All pertinent documents used in the evaluation of the application are available for public review during normal business hours at the Department's Northcentral Regional office, 208 West Third Street, Suite 101, Williams-
port, PA 17701. Appointments for scheduling a review must be made by calling 570-327-0550.
Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.

Contact: Alan Binder, P.E., Environmental Engineer Manager-Telephone: 412-442-4168.
30-00239A: Omnis Bailey, LLC (3757 State St., Suite 2A, Santa Barbara, CA 93105) Notice is hereby given in accordance with 25 Pa . Code $\S \S 127.44-127.46$ that the Department of Environmental Protection (Department) intends to issue Air Quality Plan Approval 30-00239A to allow the construction and initial temporary operation of a coal waste refining facility to be known as the Omnis Bailey Refining Plant located in Richhill Township, Greene County.

Proposed emission sources at this facility include four (4) clean carbon fuel (CCF) pellet processing lines each equipped with a natural gas and/or micro carbon fuel (MCF) pulse jet combustion unit rated at 33.0 MMBtu/hr, three (3) MCF processors each equipped with a natural gas and/or MCF pulse jet combustion unit rated at 4.0 MMBtu/hr, coal waste frothers/collectors, conveyor belt transfer points, a diesel-fired emergency generator engine rated at $1,300 \mathrm{bhp}$, and approximately twenty (20) low vapor pressure hydrocarbon liquid storage tanks with a capacity of 8,000 gallons each.
Potential to emit from the facility is estimated not to exceed 7.46 tons of particulate matter (PM), 2.71 tons of particulate matter than ten microns $\left(\mathrm{PM}_{10}\right), 1.24$ ton of particulate matter less than 2.5 microns $\left(\mathrm{PM}_{2.5}\right), 3.74$ tons of nitrogen oxides $\left(\mathrm{NO}_{\mathbf{x}}\right), 3.38$ tons of carbon monoxide (CO), 5.67 tons of volatile organic compounds (VOC), 5.78 tons of sulfur dioxide ( $\mathrm{SO}_{2}$ ), 0.22 ton of hydrofluoric acid (HF), 1.78 ton of hydrochloric acid (HCl), 2.03 tons of total hazardous air pollutants (HAP), and 115,011.26 tpy carbon dioxide equivalents $\left(\mathrm{CO}_{2} \mathrm{e}\right)$ per year. Best available technology (BAT) for controlling emissions from CCF and MCF lines is use of pulse jet combustion technology combined with integral process scrubbing of particulate matter, $\mathrm{NO}_{\mathrm{x}}$, and $\mathrm{SO}_{2}$ by conversion of these pollutants into nitrate and sulfate salts which results in the subsequent enhancement of a byproduct known as agricultural mineral product (AMP).
The authorization is subject to State regulations including 25 Pa . Code §§ 123.1, 123.2, 123.21, 123.31, and 123.41. The Plan Approval has been conditioned to ensure compliance with all applicable rules. This includes testing, work practice, monitoring, recordkeeping, and reporting conditions. Once compliance with the Plan Approval is demonstrated, the applicant will subsequently apply for a State Only Operating Permit in accordance with 25 Pa. Code Subchapter F.
The plan approval application, the Department's review memorandum, the proposed plan approval, and other relevant information are available for review by any interested party at the Department's Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222. To request a review of the plan approval application for the facility, to receive an electronic copy of the Department's Air Quality Review Memorandum, or to receive an electronic copy of the Department's proposed Air Quality Plan Approval for this project, a person may contact the Department at 412.442.4000.

A person may oppose the proposed plan approval by filing a written protest with the Department through Nicholas Waryanka, Pennsylvania Department of Environmental Protection, 400 Waterfront Drive, Pittsburgh,

PA 15222; nwaryanka@pa.gov; or fax 412.442.4194. Each protest or set of written comments must contain the name, address and telephone number of the person submitting the comments, identification of the proposed Plan Approval (PA-30-00239A), and concise statement of the objections to the plan approval issuance and the relevant facts upon which the objections are based. All comments must be received prior to the close of business 30 days after the date of this publication.

Intent to Issue Operating Permits under the Air Pollution Control Act and 25 Pa. Code Chapter 127, Subchapter F.

Southeast Region: Air Quality Program, 2 East Main Street, Norristown, PA 19401.

Contact: Janine Tulloch-Reid, Facilities Permitting Chief-Telephone: 484-250-5920.

15-00077: Hanson Aggregates PA, LLC (499 Quarry Road, East Caln Township, PA 19335). This action a renewal of the original State Only Operating Permit for the facility located in East Caln Township, Chester County. This is a nonmetallic mineral processing plant. The pollutant of concern is particulate matter. Dust collectors and wet suppression system are used on all sources for particulate matter control. The permit will include monitoring, record keeping and reporting requirements designed to address all applicable air quality requirements.

15-00071: Gourmets Delight Mushroom Company, (704 Garden Station Road, Avondale, PA 19311) a renewal for a Non-Title V Facility, State-Only, Synthetic Minor Permit in London Grove Township, Chester County. Gourmets Delight is a mushroom growing and manufacturing facility. The sources of emissions include boilers and emergency generators. Monitoring, record keeping and reporting requirements will be included in the permit to address applicable limitations.

09-00056: GE Betz, Inc. (4636 Somerton Road, Trevose, PA 19053), for renewal of a State Only Operating Permit in Bensalem Township, Bucks County. The facility operates several combustion sources including boilers and generators and a pilot plant. No new sources have been added and there have been no significant changes to any of the existing sources. GE Betz, Inc. is categorized as a synthetic minor facility for $\mathrm{NO}_{\mathrm{x}}$ emissions. The permit includes monitoring, record keeping and reporting requirements designed to address all applicable air quality requirements.
Northeast Region: Air Quality Program, 2 Public Square, Wilkes-Barre, PA 18711-0790.

Contact: Raymond Kempa, New Source Review ChiefTelephone: 570-826-2507.

35-00067: Maid-Rite Steak Company Inc. (105 Keystone Industrial Park, Dunmore, PA 18512) intends to issue a State-Only (Synthetic Minor) Operating Permit for operation of a meat processing facility located in the Scott Township, Lackawanna County. The sources at the facility include one (1) cooking line controlled by a demister followed by a carbon adsorption filter bank. The proposed permit contains applicable requirements for emission limitations, work practice standards, testing, monitoring, recordkeeping, and reporting standards used to verify facility compliance with Federal and State air pollution regulations.

40-00134: LGS, PA, LLC. (1355 Oak Hill Road, Mountain Top, PA 18707) intends to issue a State-Only (Syn-
thetic Minor) Operating Permit for operation of an enclosed cargo trailer manufacturing facility located in the Wright Township, Luzerne County. The sources at the facility include one (1) welding operation, one (1) spray booth, one (1) sealing and finishing operation, and one (1) wood cutting operation. The spray booth is controlled by panel filters. The proposed permit contains applicable requirements for emission limitations, work practice standards, testing, monitoring, recordkeeping, and reporting standards used to verify facility compliance with Federal and State air pollution regulations.

48-00105: Reeb Millwork Corp. (600 Brighton Street, Bethlehem, PA 18015) intends to issue a State-Only (Natural Minor) Operating Permit for operation of a door manufacturing facility located in the City of Bethlehem, Northampton County. The sources at the facility include six (6) paint spray booths. The proposed permit contains applicable requirements for emission limitations, work practice standards, testing, monitoring, recordkeeping, and reporting standards used to verify facility compliance with Federal and State air pollution regulations.

54-00031: Lehigh Valley Hospital-Schuylkill (700 E Norwegian Street, Pottsville, PA 17901) intends to issue a State-Only (Natural Minor) Operating Permit for operation of their hospital located in Pottsville Borough, Schuylkill County. The sources include one (1) natural gas-fired boiler. The proposed permit contains applicable requirements for emission limitations, work practice standards, testing, monitoring, recordkeeping, and reporting standards used to verify facility compliance with Federal and State air pollution regulations.

Southcentral Region: Air Quality Program, 909 Elmerton Avenue, Harrisburg, PA 17110.
Contact: Thomas Hanlon, Facilities Permitting Chief, 717-705-4862, Virendra Trivedi, New Source Review Chief, 717-705-4863, or William Weaver, Regional Air Quality Manager, 717-705-4702.

36-05008: Tyson Poultry, Inc. (403 South Custer Avenue, New Holland, PA 17557) for the operation of their poultry processing facility located in Earl Township, Lancaster County. The facility's current potential to emit (pte) is 87.3 tons of CO, $<100$ tons of $\mathrm{NO}_{\mathrm{x}}, 24.1$ tons of PM, 1.1 ton of $\mathrm{SO}_{\mathrm{x}}, 14.2$ tons of VOCs, and 1.8 ton of HAPs. The State-only operating permit will include emission limits and work practice standards along with monitoring, recordkeeping and reporting requirements to ensure the facility complies with the applicable air quality regulations. Among other items, the conditions include 40 CFR Part 63, Subpart ZZZZ-National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, and 40 CFR Part 60 Subpart Dc-Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.

06-05023: Bimbo Bakeries USA, Inc. (640 Park Avenue, Reading, PA 19611) for operation of their bakery facility in Reading City, Berks County. The facility 2016 emissions were 1.4 tpy of $\mathrm{NO}_{\mathrm{x}}, 1.2$ tpy of $\mathrm{CO}, 0.07$ tpy of PM, and 1.5 tpy of VOCs. The Operating Permit will include emission limits and work practice standards along with monitoring, recordkeeping and reporting requirements to ensure the facility complies with the applicable air quality regulations.

67-03116: Surtech Industries, Inc. (915 Borom Road, York, PA 17404) for operation of their industrial manufacturing facility in York City, York County. The 2016 actual emissions were 0.9 ton of VOCs and 0.2 ton of

Total HAPs. The Operating Permit will include emission limits and work practice standards along with monitoring, recordkeeping and reporting requirements to ensure the facility complies with the applicable air quality regulations.

36-05087: Morgan Truck Body, LLC (485 Wenger Drive, Ephrata, PA 17522) to issue a State Only Operating Permit for the truck body manufacturing plant located in Ephrata Borough, Lancaster County. The facility emitted 5.46 tons of VOC in 2016. The Operating Permit will include emission limits and work practice standards along with monitoring, recordkeeping and reporting requirements to ensure the facility complies with the applicable air quality regulations. Among other items, the conditions include provisions derived from 25 Pa. Code § 129.52e.

## COAL AND NONCOAL MINING ACTIVITY APPLICATIONS

Applications under the Surface Mining Conservation and Reclamation Act (52 P.S. §§ 1396.1-1396.19a); the Noncoal Surface Mining Conservation and Reclamation Act (52 P.S. §§ 3301-3326); The Clean Streams Law (35 P.S. §§ 691.1-691.1001); the Coal Refuse Disposal Control Act (52 P.S. §§ 30.51-30.66); and The Bituminous Mine Subsidence and Land Conservation Act (52 P.S. §§ 1406.1-1406.20a). Mining activity permits issued in response to such applications will also address the applicable permitting requirements of the following statutes: the Air Pollution Control Act (35 P.S. §§ 4001-4015); the Dam Safety and Encroachments Act (32 P.S. §§ 693.1693.27); and the Solid Waste Management Act (35 P.S. §§ 6018.101-6018.1003).

The following permit applications to conduct mining activities have been received by the Department. A copy of the application is available for inspection at the district mining office indicated before each application. Notices of requests for 401 Water Quality Certifications are included in individual application notices, as noted.

Written comments or objections, or requests for an informal conference, or a public hearing, as applicable, on a mining permit application and request for Section 401 water quality certification application may be submitted by any person or any officer or head of any Federal, State or local government agency or authority to the Department at the address of the district mining office indicated before each application within 30 days of this publication, or within 30 days after the last publication of the applicant's newspaper advertisement as provided by 25 Pa. Code §§ 77.121-77.123 and 86.31-86.34.

Written comments or objections regarding a mining permit application should contain the name, address and telephone number of persons submitting comments or objections, application number and a statement of sufficient detail to inform the Department on the basis of comment or objection and relevant facts upon which it is based.

A request for an informal conference or a public hearing, as applicable, on a mining permit application, as provided by 25 Pa . Code $\S 77.123$ or $\S 86.34$, must contain the name, address and telephone number of the requestor; the application number; a brief summary of the issues to be raised by the requestor at the conference; and a statement whether the requestor desires to have the conference conducted in the locality of the proposed mining activities.

When an NPDES number is listed, the mining activity permit application was accompanied by an application for
an individual NPDES permit. A separate notice will be provided after the draft NPDES permit is prepared.

## Coal Applications Received

California District Office: 25 Technology Drive, Coal Center, PA 15423, 724-769-1100.
56910701 and NPDES No. PA0213560. PBS Coals, Inc., (PO Box 260, Friedens, PA 15541). To revise the permit for the Job 10 Refuse Disposal Area in Somerset and Brothersvalley Townships, Somerset County and related NPDES permit to add NPDES Outfall 002. Surface Acres Proposed 1.6. Receiving Stream: Unnamed Tributary to Kimberly Run, classified for the following use: CWF. The application was considered administratively complete on August 24, 2017. Application received June 27, 2017.

Cambria District Mining Office: 286 Industrial Park Road, Ebensburg, PA 15931, 814-472-1900.

Permit No. 56170103 and NPDES No. PA0279552. Mountaineer Mining Corporation, 1010 Garrett Shortcut Road, Berlin, PA 15530, commencement, operation and restoration of a bituminous surface mine in Shade Township, Somerset County, affecting 12.2 acres. Receiving stream: unnamed tributary to Dark Shade Creek classified for the following use: cold water fishes. There are no potable water supply intakes within 10 miles downstream. Application received: August 14, 2017.

Knox District Mining Office: P.O. Box 669, 310 Best Avenue, Knox, PA 16232-0669, 814-797-1191.
10120101. Amerikohl Mining, Inc. (202 Sunset Drive, Butler, PA 16001). Renewal of an existing bituminous surface mine in Clearfield Township, Butler County affecting 73.2 acres. This renewal is for reclamation only. Receiving streams: Unnamed tributaries to Buffalo Creek and unnamed tributaries to Buffalo Run, classified for the following uses: HQ-CWF. There are no potable surface water supply intakes within 10 miles downstream. Application received: August 21, 2017.

16140109 and NPDES Permit No. PA0259594. K \& A Mining (119 Atwell Lane, Kennerdell, PA 16374), Transfer of an existing bituminous surface mine from Ben Hal Mining Company in Washington Township, Jefferson County affecting 70.0 acres. Receiving streams: Unnamed tributaries to East Sandy Creek, classified for the following uses: CWF. There are no potable surface water supply intakes within 10 miles downstream. Application received: August 14, 2017.
Moshannon District Mining Office: 186 Enterprise Drive, Philipsburg, PA 16866, 814-342-8200.
17030105. Hepburnia Coal Company (P.O. Box I, 1127 Haytown Road, Grampian, PA 16838). Permit revi-
sion for change in land use from forestland to pasture land on two properties on a bituminous surface and auger mine in Ferguson and Greenwood Townships, Clearfield County, affecting 115.0 acres. Receiving streams: Watts Creek to West Branch Susquehanna River, classified for the following uses: HQ CWF and CWF, respectively. There are no potable water supply intakes within 10 miles downstream. Application received: June 30, 2017.

17070114 and NPDES PA0256480. RES Coal LLC (224 Grange Hall Road, P.O. Box 228, Armagh, PA 15920). Permit renewal for continued operation and restoration of a bituminous surface coal mine located in Girard Township, Clearfield County affecting 119.4 acres. Receiving stream(s): Unnamed Tributaries to Bald Hill Run and Bald Hill Run classified for the following use(s): CWF, MF. There are no potable water supply intakes within 10 miles downstream. Application received: August 16, 2017.

New Stanton District Office: 131 Broadview Road, New Stanton, PA 15672, 724-925-5500.

65840119 and NPDES Permit No. PA0601047. Derry Stone \& Lime Co., Inc. (117 Marcia Street, Latrobe, PA 15650-4300). Renewal application for continued mining to an existing bituminous surface mine, located in Derry Township, Westmoreland County, affecting 643.7 acres. Receiving streams: Unnamed tributaries to Stony Run and McGee Run, classified for the following use: CWF. There is no potable water supply intake within 10 miles downstream from the point of discharge. Renewal application received: August 17, 2017.
Pottsuille District Mining Office: 5 West Laurel Boulevard, Pottsville, PA 17901, 570-621-3118.

Permit No. 49070101R2. D. Molesevich \& Sons Construction Co., Inc., (P.O. Box 121, Mt. Carmel, PA 17851), renewal of an existing anthracite surface mine operation in Mt. Carmel and Conyngham Townships, Northumberland and Columbia Counties affecting 816.0 acres, receiving stream: unnamed tributary of Mahanoy Creek, classified for the following uses: cold water and migratory fishes. Application received: August 14, 2017.

Permit No. 13070101R2. Lehigh Anthracite, LP, (1233 East Broad Street, Tamaqua, PA 18252), renewal of an existing anthracite surface mine operation in Nesquehoning Borough, Carbon County affecting 252.3 acres, receiving stream: Nesquehoning Creek, classified for the following uses: cold water and migratory fishes. Application received: August 15, 2017.

## Noncoal Applications Received

Effluent Limits-The following effluent limits will apply to NPDES permits issued in conjunction with a noncoal mining permit:

Table 2

| 30-day | Daily | Instantaneous |
| :---: | :---: | :---: |
| Average | Maximum | Maximum |
| 0 to $35 \mathrm{mg} / \mathrm{l}$ | 20 to $70 \mathrm{mg} / \mathrm{l}$ | 25 to $90 \mathrm{mg} / \mathrm{l}$ |

## Parameter

Suspended solids
Alkalinity exceeding acidity*
pH *

* The parameter is applicable at all times.

A settleable solids instantaneous maximum limit of $0.5 \mathrm{ml} / /$ applied to surface runoff resulting from a precipitation event of less than or equal to a 10 -year 24 -hour event. If coal will be extracted incidental to the extraction of noncoal minerals, at a minimum, the technology-based effluent limitations identified under coal applications will apply to discharges of wastewater to streams.

Pottsville District Mining Office: 5 West Laurel Boulevard, Pottsville, PA 17901, 570-621-3118.
Permit No. 7974 SM3C19 and NPDES No. PA0595853. New Hope Crushed Stone \& Lime Company, (P.O. Box 248, New Hope, PA 18938), renewal of NPDES Permit for discharge of treated mine drainage from a quarry operation in Solebury Township, Bucks County affecting 141.0 acres, receiving streams: Primrose Creek, unnamed tributary to Delaware River Basin, classified for the following uses: trout stocking fishes and migratory fishes. Application received: August 18, 2017.

Permit No. 40042801. Airport Sand \& Gravel Co., (500 Swetland Lane, West Wyoming, PA 18644), Stage I \& II bond release of a quarry operation in Duryea Borough, Luzerne County affecting 5.0 acres on property owned by D \& L Realty. Application received: May 17, 2017.

Permit No. 40032801. Cremard Brothers, (500 Swetland Lane, West Wyoming, PA 18644), Stage I \& II bond release of a quarry operation in Duryea Borough, Luzerne County affecting 5.0 acres on property owned by D \& L Realty. Application received: May 17, 2017.

Permit No. 58150808. Timberland Resources, LLC, (28 Rainbow Ridge Road, Windsor, NY 13865), Stage I \& II bond release of a quarry operation in Liberty Township, Susquehanna County affecting 1.0 acre on property owned by Dale R. \& Pearl A. Weber. Application received: August 18, 2017.

## MINING ACTIVITY NPDES DRAFT PERMITS

This notice provides information about applications for a new, amended or renewed NPDES permits associated with mining activity (coal or noncoal) permits. The applications concern industrial waste (mining) discharges to surface water and discharges of stormwater associated with mining activities. This notice is provided in accordance with 25 Pa . Code Chapters 91 and 92a and 40 CFR Part 122, implementing provisions of The Clean Streams Law (35 P.S. §§ 691.1-691.1001) and the Federal Clean Water Act (33 U.S.C.A. §§ 1251—1376).
The Department of Environmental Protection (Department) has prepared a draft NPDES permit and made a tentative determination to issue the NPDES permit in conjunction with the associated mining activity permit.

## Effluent Limits for Coal Mining Activities

For coal mining activities, NPDES permits, when issued, will contain effluent limits that are the more stringent of technology-based (BAT) effluent limitations or Water Quality Based Effluent Limits (WQBEL).
The BAT limits for coal mining activities, as provided in 40 CFR Part 434 and 25 Pa. Code Chapters $87-90$ are as follows:

## Parameter

| 30-Day | Daily | Instantaneous |
| :---: | :---: | :---: |
| Average | Maximum | Maximum |
| $3.0 \mathrm{mg} / \mathrm{l}$ | $6.0 \mathrm{mg} / \mathrm{l}$ | $7.0 \mathrm{mg} / \mathrm{l}$ |
| $2.0 \mathrm{mg} / \mathrm{l}$ | $4.0 \mathrm{mg} / \mathrm{l}$ | $5.0 \mathrm{mg} / \mathrm{l}$ |
| $35 \mathrm{mg} / \mathrm{l}$ | $70 \mathrm{mg} / \mathrm{l}$ | $90 \mathrm{mg} / \mathrm{l}$ |
|  | greater than 6.0 ; less than 9.0 |  |

Iron (Total)
Manganese (Total)
$6.0 \mathrm{mg} / \longrightarrow$

Suspended solids $70 \mathrm{mg} / \mathrm{l} \quad 90 \mathrm{mg} / \mathrm{l}$
$\mathrm{pH}^{*}$
Alkalinity greater than acidity*

* The parameter is applicable at all times.

A settleable solids instantaneous maximum limit of $0.5 \mathrm{ml} / /$ applies to: surface runoff (resulting from a precipitation event of less than or equal to a 10 -year 24 -hour event) from active mining areas; active areas disturbed by coal refuse disposal activities; mined areas backfilled and revegetated; and all other discharges and drainage (resulting from a precipitation event of greater than 1 -year 24 -hour to less than or equal to a 10 -year 24 -hour event) from coal refuse disposal piles. Similarly, modified BAT limits apply to iron, manganese and suspended solids in surface runoff, discharges and drainage resulting from these precipitation events and those of greater magnitude in accordance with 25 Pa . Code $\S \S \quad 87.102,88.92,88.187,88.292,89.52$ and 90.102 .

Exceptions to BAT effluent limits may be applicable in accordance with 25 Pa . Code $\S 887.102,88.92,88.187,88.292$, 89.52 and 90.102 .

## Effluent Limits for Noncoal Mining Activities

The limits for noncoal mining activities as provided in 25 Pa . Code Chapter 77 are pH 6 to 9 and other parameters the Department may require.
Discharges from noncoal mines located in some geologic settings (for example, in the coal fields) may require additional water quality based effluent limits. If additional effluent limits are needed for an NPDES permit associated with a noncoal mining permit, then the permit description specifies the parameters.
In addition to BAT or WQBEL limits, coal and noncoal NPDES permits establish effluent limitations in the form of implemented Best Management Practices (BMPs) identified in the associated Erosion and Sedimentation Plan, the Reclamation Plan and the NPDES permit application. These BMPs restrict the rates and quantities of associated pollutants from being discharged into surface waters in this Commonwealth.

More restrictive effluent limitations, restrictions on discharge volume or restrictions on the extent of mining that may occur are incorporated into an NPDES permit when necessary for compliance with water quality standards and antidegradation requirements (in accordance with 25 Pa . Code Chapters 91-96).

The procedures for determining the final effluent limits, using a mass-balance equation or model, are found in Technical Guidance Document 563-2112-115, Developing National Pollutant Discharge Elimination System (NPDES) Permits for Mining Activities. Other specific factors to be considered include public comments and Total Maximum Daily Load(s). Additional discharge limitations may apply in the event that unexpected discharges occur.

Discharge rates for surface mining activities are precipitation driven. Discharge rates for proposed discharges associated with underground mining are noted in the permit description.
Persons wishing to comment on an NPDES draft permit should submit a written statement to the Department at the address of the district mining office indicated before each draft permit within 30 days of this public notice. Comments received within the comment period will be considered in the final determinations regarding the NPDES permit applications. Comments must include the name, address and telephone number of the writer and a concise statement to inform the Department of the exact basis of a comment and the relevant facts upon which it is based.
The Department will also accept requests or petitions for a public hearing on NPDES permit applications, as provided in 25 Pa . Code § $92 \mathrm{a} .82(\mathrm{~d})$. The request or petition for a public hearing shall be filed within 30 days of this public notice and contain the name, address, telephone number and the interest of the party filing the request, and state the reasons why a hearing is warranted. A public hearing may be held if the Department considers the public interest significant. If a hearing is scheduled, a notice of the hearing on the NPDES permit application will be published in the Pennsylvania Bulletin and a newspaper of general circulation within the relevant geographical area. When a public hearing is held, the Department will consider comments from the public hearing in the final determination on the NPDES permit application.
Coal NPDES Draft Permits
Cambria District Mining Office: 286 Industrial Park Road, Ebensburg, PA 15931, 814-472-1900.
32130108 and NPDES Permit No. PA02629433. Amerikohl Mining, Inc., 202 Sunset Drive, Butler, PA 16001, new NPDES permit for surface mining in Blacklick, Center, and Young Townships, Indiana County, affecting 163.2 acres. Receiving streams: unnamed tributaries to Reeds Run and Aultmans Run, classified for the following use: trout stocked fishes. These receiving streams are included in the Kiski-Conemaugh River TMDL. Application received: June 19, 2017.

Unless otherwise noted for a specific outfall, the proposed effluent limits for all outfalls in this permit are the BAT limits described above for coal mining activities.
The outfalls listed below discharge to unnamed tributaries to Reeds Run and unnamed tributaries to Aultmans Run:

| Outfall Nos. | New Outfall $(Y / N)$ |
| :---: | :---: |
| 001 | N |
| 002 | N |
| 003 | N |
| 004 | N |
| 005 | N |
| 006 | N |
| 007 | N |
| 008 | Y |

The proposed effluent limits for the above listed outfalls are as follows:

| Outfalls: 001 through 007 | 30-Day <br> Average | Daily <br> Parameter |
| :--- | :---: | :---: |
| Iron (mg/l) | 1.5 | Instant. |
| Manganese (mg/l) | 1.0 | 3.0 |
| Aluminum (mg/l) | 0.75 | 2.0 |
| Total Suspended Solids (mg/l) | 35.0 | 0.75 |
| Maximum |  |  |

pH (S.U.): Must be between 6.0 and 9.0 standard units at all times.
Alkalinity must exceed acidity at all times.
NPDES No. PA0263419 (Mining Permit No. 56120102), Rosebud Mining Company, 301 Market Street, Kittanning, PA 16201 renewal of an NPDES permit for mining in Jenner Township, Somerset County, affecting 114.7 acres. Receiving streams: Unnamed tributaries to Pickings Run and unnamed tributary to Coal Run, classified for the following uses: High Quality Cold Water Fishes and Cold Water Fishes respectively. These receiving streams are included in the Kiski-Conemaugh River TMDL. Application received: July 27, 2017.

Unless otherwise noted for a specific outfall, the proposed effluent limits for all outfalls in this permit are the BAT limits for coal mining activities.
The outfalls listed below discharge to an unnamed tributary to Coal Run:

Outfall Nos.
001-Treatment Pond 1
002-Sediment Pond 1

New Outfall (Y/N)
N
N
The proposed effluent limits for the above listed outfalls are as follows:
$\left.\begin{array}{lccc}\text { Outfalls: } & \begin{array}{c}\text { 30-Day } \\ \text { Average }\end{array} & \begin{array}{c}\text { Daily } \\ \text { Parameter }\end{array} & 1.5\end{array} \begin{array}{c}\text { Instant. } \\ \text { Maximum }\end{array}\right]$
pH (S.U.): Must be between 6.0 and 9.0 standard units at all times.
Alkalinity must exceed acidity at all times.

There are no proposed surface discharges from the facilities listed below to the unnamed tributaries to Pickings Run due to the implementation of non-discharge alternatives.
The outfalls listed below will be using non-discharge alternatives:

Outfall Nos.
003-Sediment Pond 2
004-Sediment Pond 3

New Outfall $(Y / N)$
N
N

New Stanton District Office: 131 Broadview Road, New Stanton, PA 15672, 724-925-5500.
NPDES No. 0201898 (Mining permit no. 65970103), Derry Stone \& Lime Co., Inc., 117 Marcia Street, Latrobe, PA 15650-4300, renewal NPDES permit for a bituminous surface mine in Derry Township, Westmoreland County, affecting 139.1 acres. Receiving stream: unnamed tributary to Stony Run, classified for the following use: CWF. This receiving stream is included in the Kiskiminetas-Conemaugh River Watershed. Application received: April 3, 2017.

Unless otherwise noted for a specific outfall, the proposed effluent limits for all outfalls in this permit are the BAT limits described above for coal mining activities.
The treated wastewater outfalls listed below discharge to unnamed tributary to Stony Run:

| Outfall Nos. | New Outfall $(Y / N)$ | Type |
| :---: | :---: | :---: |
| 005 | N | MDT |

The proposed effluent limits for the above listed outfalls are as follows:
$\left.\left.\begin{array}{lccc}\text { Outfalls: } & \begin{array}{c}\text { 30-Day } \\ \text { Average }\end{array} & \begin{array}{c}\text { Daily } \\ \text { Parameter }\end{array} & 1.5\end{array}\right] \begin{array}{c}\text { Instant. } \\ \text { Maximum }\end{array}\right]$
pH (S.U.): Must be between 6.0 and 9.0 standard units at all times.
Alkalinity must exceed acidity at all times.
The stormwater outfalls listed below discharge to unnamed tributary to Stony Run:

| Outfall Nos. | New Outfall $(Y / N)$ | Type |
| :---: | :---: | :---: |
| 004 | N | SW |
| 005 | N | SW |

The proposed effluent limits for the above listed outfalls are as follows:

| Outfalls: | 30-Day |
| :--- | :---: |
| Parameter | Average |
| Iron (mg/l) | 1.5 |
| Manganese (mg/l) | 1.0 |
| Aluminum (mg/l) | 0.75 |
| Total Suspended Solids (mg/l) | 35 |
| Osmotic Pressure (mOsm/kg) | 50 |

Daily
Maximum
3.0
2.0
0.75
70
50
Monitor \& Report
Instant.
Maximum
3.7
2.5
0.75
90
50

Sulfates ( $\mathrm{mg} / \mathrm{L}$ )
Monitor \& Report
pH (S.U.): Must be between 6.0 and 9.0 standard units at all times.
Alkalinity must exceed acidity at all times.
Noncoal NPDES Draft Permits
Cambria District Mining Office: 286 Industrial Park Road, Ebensburg, PA 15931, 814-472-1900.
NPDES No. PA0249408 (Mining Permit No. 32030301), Britt Energies, Inc., P.O. Box 515, Indiana, PA 15701, renewal of an NPDES permit for a sandstone quarry in Center Township, Indiana County, affecting 226.9 acres. Receiving streams: Unnamed tributary to Yellow Creek and Tearing Run, classified for the following use: cold water fishes. This receiving stream is included in the Kiski-Conemaugh TMDL. Application received: June 21, 2017.
Unless otherwise noted for a specific outfall, the proposed effluent limits for all outfalls in this permit are the BAT limits described above for noncoal mining activities.

The outfalls listed below discharge to unnamed tributary to Yellow Creek:

| Outfall No. | New Outfall $(Y / N)$ |
| :---: | :---: |
| 001 | N |
| 002 | N |
| 003 | N |
| 006 | N |
| 007 | N |

The outfalls listed below discharge to Tearing Run:

| Outfall No. | New Outfall $(Y / N)$ |
| :---: | :---: |
| 004 | N |
| 005 | N |

The proposed effluent limits for the above listed outfalls are as follows:

| Outfalls: 001, 002, 003, 004, 005, 006, and 007 | 30-Day | Average | Daily <br> Parameter |
| :--- | :---: | :---: | :---: |
| Iron (mg/l) | 3.0 | 6.0 | Instant. |
| Manganese (mg/l) | 2.0 | 4.0 | Maximum |
| Aluminum (mg/l) | 2.0 | 4.0 | 7.0 |
| Total Suspended Solids (mg/l) | 35.0 | 70.0 | 5.0 |

pH (S.U.): Must be between 6.0 and 9.0 standard units at all times.
Alkalinity must exceed acidity at all times.
New Stanton District Office: 131 Broadview Road, New Stanton, PA 15672, 724-925-5500.
NPDES No. 009661 (Mining permit no. 03950401), Bradys Bend Corporation, 209 Cove Run Road, East Brady, PA 16028 renewal NPDES permit for a noncoal mine in Bradys Bend Township, Armstrong County, affecting 3,804.6 acres. Receiving stream: Cove Run, classified for the following use: WWF. Application received: September 15, 2016.

Unless otherwise noted for a specific outfall, the proposed effluent limits for all outfalls in this permit are the BAT limits.

The treated wastewater outfalls listed below discharge to Cove Run:

| Outfall Nos. | New Outfall $(Y / N)$ | Type |
| :---: | :---: | :---: |
| 004 | N | MDT |
| 005 | N | MDT |

The proposed effluent limits for the above listed outfalls are as follows:
$\left.\left.\begin{array}{lccc}\text { Outfalls: } & \begin{array}{c}\text { 30-Day } \\ \text { Average }\end{array} & \begin{array}{c}\text { Daily } \\ \text { Parameter }\end{array} & 3.0\end{array}\right] \begin{array}{c}\text { Maximum }\end{array}\right]$
pH (S.U.): Must be between 6.0 and 9.0 standard units at all times.
Alkalinity must exceed acidity at all times.
NPDES No. PA0202584 (Mining permit no. 26990301), Iron Mountain US, Inc., 1 Pilarsky Way, Aliquippa, PA 15001.

Revised NPDES permit for a large non-coal mine in Dunbar Township and Vanderbilt, Fayette County, affecting 195 acres. Receiving stream(s): Dickerson Run and Unnamed Tributaries to Dickerson Run classified for the following use(s): WWF. Application received: 6/30/14.
The treated wastewater outfall(s) listed below discharge to Dickerson:

| Outfall Nos. | New Outfall $(Y / N)$ | Type |
| :---: | :---: | :---: |
| 001 | Y | SW |
| 002 | Y | SW |
| 003 | Y | SW |
| 005 | Y | SW |
| 006 | Y | SW |

The proposed effluent limits for the above listed outfall(s) are as follows: for dry weather discharges.

|  | 30-Day | Daily <br> Average | Maximum |
| :--- | :---: | :---: | :---: |

pH (S.U.): Must be between 6.0 and 9.0 standard units at all times.
Alkalinity must exceed acidity at all times.

The proposed effluent limits for the above listed outfall(s) are as follows: for precipitation events less than or equal to a 10 year/24 hour storm event.

| Outfalls: | 30-Day <br> Average | Daily <br> Maximum |
| :--- | :---: | :---: |
| Iron (mg/L) | NA | NA |

Total Settleable Solids (mL/L)
pH (S.U.): Must be between 6.0 and 9.0 standard units at all times.
Alkalinity must exceed acidity at all times.
The treated wastewater outfall(s) listed below discharge to Unnamed Tributaries to Dickerson Run:

| Outfall Nos. | New Outfall $(Y / N)$ | Type |
| :---: | :---: | :---: |
| 004 | Y | SW |

The proposed effluent limits for the above listed outfall(s) are as follows:

|  | 30-Day | Daily <br> Average | Maximum |
| :--- | :---: | :---: | :---: |

pH (S.U.): Must be between 6.0 and 9.0 standard units at all times.
Alkalinity must exceed acidity at all times.
Pottsville District Mining Office: 5 West Laurel Boulevard, Pottsville, PA 17901, 570-621-3118.
NPDES Permit No. PA0223603 on Surface Mining Permit No. 54950302. Pennsy Supply, Inc., (P.O. Box 3331, Harrisburg, PA 17105), renewal of an NPDES Permit for a sandstone and siltstone quarry operation in Wayne Township, Schuylkill County, affecting 173.3 acres. Receiving stream: Bear Creek, classified for the following use: cold water fishes. Application received: December 10, 2015.

Unless otherwise noted for a specific outfall, the proposed effluent limits for all outfalls in this permit are BAT limits described above for noncoal mining activities.

The outfalls listed below discharge to Bear Creek.

| Outfall No. | New Outfall $Y / N$ | Type |
| :---: | :---: | :---: |
| 001 | No | Nonprocess/Stormwater |
| 002 | No | Stormwater |

The proposed effluent limits for the above listed outfall are as follows:

| Parameter | Minimum | 30-Day <br> Average | Daily <br> Maximum |
| :--- | :---: | :---: | :---: |

NPDES Permit No. PA0593915 on Surface Mining Permit No. 5376SM16. American Asphalt Paving Co., (500 Chase Road, Shavertown, PA 18708), renewal of an NPDES Permit for a sandstone and shale quarry operation in Jackson Township, Luzerne County, affecting 131.75 acres. Receiving stream: Brown's Creek, classified for the following use: cold water fishes. Application received: June 14, 2017.

Unless otherwise noted for a specific outfall, the proposed effluent limits for all outfalls in this permit are BAT limits described above for noncoal mining activities.

The outfalls listed below discharge to Brown's Creek.

| Outfall No. New Outfall Y/N | Type |  |
| :---: | :---: | :---: |
| 001 | No | Nonprocess/Stormwater |
| 003 | No | Nonprocess/Stormwater |
| 004 | No | Stormwater Facility Outfall |
| 005 | No | Stormwater Facility Outfall |

The proposed effluent limits for the above listed outfall are as follows:

|  | Minimum | $30-$ Day <br> Parameter | Daily <br> Maximum | Instantaneous <br> Maximum |
| :--- | :---: | :---: | :---: | :---: |
| $\mathrm{pH}^{1}$ (S.U.) | 6.0 |  | 9.0 |  |
| Discharge (MGD) | Outfalls $001 \& 003$ | 0.2 MGD | Varies with Precipitation |  |
| Total Suspended Solids | Outfalls $004 \& 005$ | 70.0 | 90.0 |  |

${ }^{1}$ The parameter is applicable at all times.

## FEDERAL WATER POLLUTION CONTROL ACT, SECTION 401

The following permit applications, requests for Environmental Assessment approval and requests for 401 Water Quality Certification have been received by the Department. Section 401 of the Federal Water Pollution Control Act (FWPCA) (33 U.S.C.A. § 1341) requires the Commonwealth to certify that the involved projects will not violate the sections 301-303, 306 and 307 of the FWPCA (33 U.S.C.A. §§ 1311-1313, 1316 and 1317) as well as relevant State requirements. Persons objecting to approval of a request for certification under section 401 of the FWPCA, the issuance of a Dam Permit or Water Obstruction and Encroachment Permit or the approval of an Environmental Assessment shall submit comments, suggestions or objections within 30 days of the date of this notice as well as any questions to the office noted before an application. Comments should contain the name, address and telephone number of the person commenting, identification of the certification request to which the comments or objections are addressed and a concise statement of comments, objections or suggestions including the relevant facts upon which they are based.
The Department may conduct a fact-finding hearing or an informal conference in response to comments if deemed necessary. Each individual will be notified, in writing, of the time and place of a scheduled hearing or conference concerning the certification request to which the comment, objection or suggestion relates. Maps, drawings and other data pertinent to the certification request are available for inspection between 8 a.m. and 4 p.m. on working days at the office noted before the application.

Persons with a disability who wish to attend the hearing and require an auxiliary aid, service or other accommodation to participate in the proceedings should contact the specified program. TDD users may contact the Department through the Pennsylvania AT\&T Relay Service at (800) 654-5984.

[^2]
## WATER OBSTRUCTIONS AND ENCROACHMENTS

Northcentral Region: Waterways \& Wetlands Program Manager, 208 West Third Street, Williamsport, PA 17701, 570-327-3636.
E41-685. Pennsylvania Department of Transportation, Engineering District 3-0, PO Box 218 Montoursville, PA 17754-0218. S.R. 2013 Section 007, Laurel Run Bridge Replacement Moreland Township, Lycoming County, Baltimore ACOE (Lairdsville, PA Quadrangle $\mathrm{N}: 41^{\circ} 10^{\prime} 15^{\prime \prime}$; W: $-77^{\circ} 36^{\prime} 56^{\prime \prime}$ ).

PA DOT Engineering District 3-0 proposes to replace a single span concrete slab bridge with a single cell precast concrete box culvert. The existing bridge has a span of 20.0 Ft., a skew of 69 degrees, an underclearance of 5.0 Ft., and a low chord of 742.12 Ft . and a hydraulic opening of $100 \mathrm{Ft}^{2}$. The proposed box culvert has a span of 22 Ft ., a skew of 90 degrees, an underclearance of 5.4 Ft ., and a low chord of 741.75 Ft . and a hydraulic opening of 118.6 $\mathrm{Ft}^{2}$. The proposed box culvert will be depressed twelve inches and include standard baffles to accommodate aquatic passage in accordance with the BD-632M and PA Fish and Boat Commission recommendations. In addition, the project will include approximately 120 L.F. of channel grading at the culvert outlet to remove channel deposition and provide a consistent channel grade. No upstream channel grading is proposed and the proposed box culvert will prevent channel head cutting. The project will temporarily impact 0.24 acre and permanently impact 0.03 acre of jurisdictional wetlands. The wetland impact is considered Deminimis and does not require mitigation. Laurel Run is classified as a Cold Water Fishery by Title 25, Chapter 93 Water Quality Standards.

Northwest Region: Watershed Management Program Manager, 230 Chestnut Street, Meadville, PA 16335-3481.

E43-366, Lidl US LLC. Lidl Hermitage Grocery Store, in Hermitage, Mercer County, ACOE Pittsburgh District (Sharon, PA Quadrangle N: $41^{\circ}, 14^{\prime}, 54^{\prime \prime} ; \mathrm{W}:-80^{\circ}$, $26^{\prime}, 55^{\prime \prime}$ ).

The applicant proposes to permanently impact 0.04 acre of Palustrine Emergent Wetlands and Palustrine Scrub Shrub Wetlands and permanently impact 452 linear feet of UNT to Pine Hollow Run ( $<100$ acre WWF) to construct a Grocery Store, parking facilities, storm water facilities and utilities.

## ACTIONS

## THE PENNSYLVANIA CLEAN STREAMS LAW AND THE FEDERAL CLEAN WATER ACT <br> FINAL ACTIONS TAKEN FOR NPDES PERMITS AND WQM PERMITS

The Department has taken the following actions on previously received applications for new, amended and renewed NPDES and WQM permits, applications for permit waivers and NOIs for coverage under General Permits. This notice of final action is provided in accordance with 25 Pa . Code Chapters 91 and 92a and 40 CFR Part 122, implementing provisions of The Clean Streams Law (35 P.S. §§ $691.1-691.101$ ) and the Federal Clean Water Act (33 U.S.C.A. §§ 1251—1376).

| Location | Permit Authority | Application Type or Category |
| :--- | :--- | :--- |
| Section I | NPDES | Renewals |
| Section II | NPDES | New or Amendment |
| Section III | WQM | Industrial, Sewage or Animal Wastes; Discharges to Groundwater |
| Section IV | NPDES | MS4 Individual Permit |
| Section V | NPDES | MS4 Permit Waiver |
| Section VI | NPDES | Individual Permit Stormwater Construction |
| Section VII | NPDES | NOI for Coverage under NPDES General Permits |

Sections I-VI contain actions regarding industrial, animal or sewage wastes discharges, discharges to groundwater, and discharges associated with MS4, stormwater associated with construction activities and CAFOs. Section VII contains notices for parties who have submitted NOIs for Coverage under General NPDES Permits. The approval for coverage under these General NPDES Permits is subject to applicable effluent limitations, monitoring, reporting requirements and other conditions in each General Permit. The approval of coverage for land application of sewage sludge or residential septage under applicable general permit is subject to pollutant limitations, pathogen and vector attraction reduction requirements, operational standards, general requirements, management practices and other conditions in the respective permit. The permits and related documents, effluent limitations, permitting requirements and other information are on file and may be inspected and arrangements made for copying at the contact office noted before the action.

Persons aggrieved by an action may appeal that action to the Environmental Hearing Board (Board) under section 4 of the Environmental Hearing Board Act (35 P.S. § 7514) and 2 Pa.C.S. §§ 501— 508 and $701-704$ (relating to Administrative Agency Law). The appeal should be sent to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, PO Box 8457, Harrisburg, PA 17105-8457, (717) 787-3483. TDD users may contact the Board through the Pennsylvania AT\&T Relay Service, (800) 654-5984. Appeals must be filed with the Board within 30 days of publication of this notice in the Pennsylvania Bulletin unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in Braille or on audiotape from the Secretary to the Board at (717) 787-3483. This paragraph does not, in and of itself, create a right of appeal beyond that permitted by applicable statutes and decisional law.

For individuals who wish to challenge an action, the appeal must reach the Board within 30 days. A lawyer is not needed to file an appeal with the Board.

Important legal rights are at stake, however, so individuals should contact a lawyer at once. Persons who cannot afford a lawyer may qualify for free pro bono representation. Call the Secretary to the Board at (717) 787-3483 for more information.

## I. NPDES Renewal Permit Actions

Southwest Regional Office: Regional Clean Water Program Manager, 400 Waterfront Drive, Pittsburgh, PA 15222-4745. Phone: 412.442.4000.

| NPDES No. <br> (Type) | Facility Name \& Address | County \& Municipality | Stream Name (Watershed No.) | EPA Waived $Y / N$ ? |
| :---: | :---: | :---: | :---: | :---: |
| PA0096521 (Sewage) | Ohiopyle State Park- <br> Boaters Change House STP <br> PO Box 105 <br> Ohiopyle, PA 15470 | Fayette County Stewart Township | Meadow Run (19-E) | Yes |
| PA0098434 (Sewage) | Welcome Center STP <br> PO Box 3060 <br> Harrisburg, PA 17105-3060 | Greene County Whiteley Township | Unnamed Tributary to Whiteley Creek (19-G) | Yes |
| PA0216666 (Sewage) | Cumberland Contura Prep Plant STP <br> PO Box 1020 <br> 58 Portal Road <br> Waynesburg, PA 15370-3020 | Greene County Whiteley Township | Whiteley Creek (19-G) | Yes |
| PA0215945 (Sewage) | Trinity South Elementary School WWTP <br> 50 Scenic Drive <br> Washington, PA 15301 | Washington County Amwell Township | Little Tenmile Creek (19-B) | Yes |
| PA0092860 <br> (Sewage) | Terrace Acres MHP <br> PO Box 168 <br> Connellsville, PA 15425-0168 | Fayette County Upper Tyrone Township | Jacobs Creek <br> (19-D) | Yes |
| PA0032425 (Sewage) | Ohiopyle State Park Campground STP <br> PO Box 105 <br> Ohiopyle, PA 15470 | Fayette County Stewart Township | Unnamed Tributary to Youghiogheny River (19-E) | Yes |

Northeast Regional Office: Clean Water Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915. Phone: 570.826.2511.

NPDES No.
(Type)
PA0031364
(Sewage)

```
Facility Name &
    Address
    Wallenpaupack Area High School
    WWTP
    2552 Route 6
    Hawley, PA 18428-7045
Hawley, PA 18428-7045
```

County \& Municipality

Pike County Palmyra Township

Stream Name (Watershed No.)

Lake Wallenpaupack (1-C)

EPA Waived $Y / N$ ? Yes

Northcentral Regional Office: Clean Water Program Manager, 208 W Third Street, Suite 101, Williamsport, PA 17701-6448. Phone: 570.327.3636.

| NPDES No. | Facility Name \& | County \& | Stream Name <br> (Type) | Address |
| :--- | :--- | :--- | :--- | :---: |

Central Office: Bureau of Clean Water, Rachael Carson State Office Building, 400 Market Street, Harrisburg, PA 17105-8774, Telephone: 717.787.8184.

PA0270741, Pesticides, SIC Code 4959, Pennsylvania Department of Environmental Protection (PA DEP) Vector Management Program, PO Box 1467, Harrisburg, PA 17105.

Description of Existing Activity: Renewal of an NPDES permit coverage for proposed discharges associated with the application of pesticides to control or suppress black flies and mosquitoes carrying West Nile Virus, Statewide. Direct applications to waters are generally completed by the black fly program using biological pesticides.

## II. New or Expanded Facility Permits, Renewal of Major Permits and EPA Nonwaived Permit Actions

Northeast Region: Clean Water Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915. Phone: 570-826-2511.
NPDES Permit No. PA0275824, Storm Water, SIC Code 2951, Pennsy Supply Inc. Small Mountain Asphalt Plant a.k.a. Pennsy Supply/Dorrance, 1001 Paxton Street, Harrisburg, PA 17104-1645.

This proposed facility is located in Dorrance Township, Luzerne County.
Description of Proposed Action/Activity: Issuance of a new Individual IW Stormwater NPDES Permit for an existing discharge of treated Storm Water, previously under General Permit PAG-03.

NPDES Permit No. PA0008885, Industrial, SIC Code 2621, 2676, Procter \& Gamble Paper Products Co., PO Box 32, Mehoopany, PA 18629-0032.
This existing facility is located in Washington Township, Wyoming County.
Description of Existing Action/Activity: Issuance of an NPDES Permit for an existing discharge of treated Industrial Effluent and Stormwater.

## III. WQM Industrial Waste and Sewerage Actions under The Clean Streams Law

Northwest Region: Clean Water Program Manager, 230 Chestnut Street, Meadville, PA 16335-3481.
WQM Permit No. 6183401 A-1, Sewage, Aqua Pennsylvania Inc., 762 W Lancaster Avenue, Bryn Mawr, PA 19010-3402.

This existing facility is located in Emlenton Borough, Venango County.
Description of Proposed Action/Activity: Amendment to convert chlorine gas to sodium hypochlorite at Emlenton Area Sewage Treatment Plant.
WQM Permit No. WQG01101701, Sewage, Mary L Weichey, 426 Route 422 E, Butler, PA 16002.
This proposed facility is located in Summit Township, Butler County.
Description of Proposed Action/Activity: Small Flow Treatment Facility.
WQM Permit No. 2517405, Sewage, Lawrence Park Township, Erie County, 4230 Iroquois Avenue, Erie, PA 16511-2133.

This proposed facility is located in Erie City, Erie County.
Description of Proposed Action/Activity: Replace Lake Cliff Pump Station.

## V. NPDES Waiver Stormwater Discharges from MS4 Actions

The following waiver applications have been approved for a 5 -year period. The Department is issuing waivers for the MS4s listed below in lieu of NPDES permit coverage.

Northcentral Region: Clean Water Program Manager, 208 West Third Street, Williamsport, PA 17701.

| NPDES | Applicant Name \& |  | Receiving |
| :--- | :--- | :--- | :--- |
| Waiver No. | Address | Municipality, County | Water(s)/Use(s) |
| PAG134815 | Mifflin Township | Mifflin Township, | Nescopeck Creek, |
|  | Columbia County | Columbia | TSF |
|  | PO Box 359 |  | Susquehanna River, |
|  | Mifflinville, PA 18631-0359 |  | WWF |

## VI. NPDES Discharges of Stormwater Associated with Construction Activities Individual Permit Actions

Southeast Region: Waterways \& Wetlands Program Manager, 2 East Main Street, Norristown, PA 19401. Telephone 484-250-5160.

| NPDES <br> Permit No. | Applicant Name \& Address | County | Municipality | Receiving Water/Use |
| :---: | :---: | :---: | :---: | :---: |
| PAD460010 | Johnson Development Associates, Inc. <br> 535 Springfield Avenue Summit, NU 07901 | Montgomery | Upper Merion Township | Unnamed Tributary to Schuylkill River MF-WWF |
| PAD150034 | Lester M. Stoltzfus, Owner 1784 West Walnut Road Honey Brook, PA 19344 | Chester | Honey Brook Township | Unnamed Tributary to West Branch Brandywine Creek HQ-TSF |

Northeast Region: Waterways and Wetlands Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915.

| NPDES <br> Permit No. | Applicant Name \& Address | County | Municipality | Receiving <br> Water/Use |
| :---: | :---: | :---: | :---: | :---: |
| PAD580001 | UGI Penn Natural Gas 2525 N. 12th Street Suite 360 Reading, PA 19612 | Lackawanna, Susquehanna, Wayne | Carbondale Township Clifford Township Clinton Township Fell Township Forest City Borough Union Dale Borough Vandling Borough | UNT's to <br> Lackawanna River (HQ-CWF, MF) <br> Lackawanna River (HQ-CWF, MF) <br> Meredith Brook <br> (CWF, MF) <br> Wilson Creek <br> (CWF, MF) <br> Coal Brook (CWF, MF) |
| PAD640005 | Roamingwood Sewer and Water Association P.O. Box 6 Lake Ariel, PA 18436-0006 | Wayne | Lake and Salem Townships | UNT to Purdy Creek <br> (HQ-CWF, MF) <br> Ariel Creek <br> (HQ-CWF, MF) |
| PAD480016 | Lafayette College <br> c/o Ms. Meghan Madeira <br> 9 North Campus Lane <br> Easton, PA 18042 | Northampton | City of Easton | Bushkill Creek (HQ-CWF, MF) |
| PAD450034 | MC Village Partners, LP 490 North Main Street Pittston, PA 18640 | Monroe | Smithfield Township | Marshalls Creek (HQ-CWF, MF) |

Southcentral Region: Waterways \& Wetlands Program, 909 Elmerton Avenue, Harrisburg, PA 17110, Nathan Crawford, Section Chief, Telephone 717.705.4802.

|  | Applicant Name \& |  | Receiving |  |
| :--- | :--- | :--- | :--- | :--- |
| Permit \# | Address | County | Municipality | Water/Use |
| PAD360009 | Benjamin Siegrist | Lancaster | Salisbury Township | UNT West Branch |
|  | 1770 Oregon Pike | County |  | Brandywine Creek |
|  | Lancaster, PA 17601 |  |  | (HQ-TSF, MF) |

Northcentral Region: Waterways \& Wetlands Program Manager, 208 West Third Street, Williamsport, PA 17701, 570.327.3574.

Centre County Conservation District: 414 Holmes Avenue, Suite 4, Bellefonte, PA 16823, (814) 355-6817.

| NPDES | Applicant Name \& |  | Receiving |  |
| :--- | :--- | :--- | :--- | :--- |
| Permit No. | Address | County | Municipality | Water/Use |
| PAD140020 | Jeff Byers | Centre | Benner Twp | UNT to Buffalo Run |
|  | 2197 Hightech Road |  |  | HQ-CWF |

Individual Permit Type—PAD
Cambria District: Environmental Program Manager, 286 Industrial Park Road, Ebensburg, PA 15931-4119.
NPDES Applicant Name \&

Permit No
PAD680002

Applicant Name \& Address
Attention: Patrick M. Webb
Bureau of Abandoned Mine
Reclamation
Cambria Office
286 Industrial Park Road
Ebensburg, PA 15931-4119
814-472-1800
County Municipality Water/Use

Clearfield Lawrence Township West Branch County Susquehanna River
(WWF), Unnamed Tributaries to West Branch Susquehanna River (CWF), Clearfield Creek (WWF), Unnamed Tributaries to Clearfield Creek (CWF), Laurel Run (HQ-CWF), Unnamed Tributaries to Laurel Run (HQ-CWF)

## VII. Approvals to Use NPDES and/or Other General Permits

The EPA Region III Administrator has waived the right to review or object to this permit action under the waiver provision 40 CFR 123.23(d).

## List of NPDES and/or Other General Permit Types

PAG-1 General Permit for Discharges from Stripper Oil Well Facilities
PAG-2 General Permit for Discharges of Stormwater Associated With Construction Activities
PAG-3 General Permit for Discharges of Stormwater From Industrial Activities
PAG-4 General Permit for Discharges from Small Flow Treatment Facilities
PAG-5 General Permit for Discharges from Petroleum Product Contaminated Groundwater Remediation Systems
PAG-6 General Permit for Wet Weather Overflow Discharges from Combined Sewer Systems (CSO)
PAG-7 General Permit for Beneficial Use of Exceptional Quality Sewage Sludge by Land Application
PAG-8 General Permit for Beneficial Use of Non-Exceptional Quality Sewage Sludge by Land Application to Agricultural Land, Forest, a Public Contact Site or a Land Reclamation Site
PAG-8 (SSN) Site Suitability Notice for Land Application Under Approved PAG-8 General Permit Coverage
PAG-9 General Permit for Beneficial Use of Residential Septage by Land Application to Agricultural Land, Forest, or a Land Reclamation Site
PAG-9 (SSN) Site Suitability Notice for Land Application Under Approved PAG-9 General Permit Coverage
PAG-10 General Permit for Discharges from Hydrostatic Testing of Tanks and Pipelines
PAG-11 General Permit for Discharges from Aquatic Animal Production Facilities
PAG-12 Concentrated Animal Feeding Operations (CAFOs)
PAG-13 Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4)
PAG-14 (To Be Announced)
PAG-15 General Permit for Discharges from the Application of Pesticides
General Permit Type—PAG-02
Northeast Region: Waterways and Wetlands Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915.
Facility Location:
Municipality \&

Ransom Township
City of Scranton
Taylor Borough
Hanover Township
Luzerne County

Permit No
PAC350014

PAC400018

Applicant Name \& Address

PPL Electric Utilities Corp. 2 N. 9th St.
Allentown, PA 18101
Colours Inc
Tim Evans
50 Dana St. Wilkes-Barre, PA 18702

| Receiving <br> Water/Use |  <br> Phone No. |
| :--- | :--- |
| Lucky Run | Lackawanna County |
| (CWF, MF) | Conservation District |
| Keyser Creek | 570-392-3086 |
| (CWF, MF) |  |
| Warrior Creek | Luzerne Conservation |
| (CWF, MF) | District |
|  | 570-674-7991 |

Waterways \& Wetlands Program, 909 Elmerton Avenue, Harrisburg, PA 17110-8200, Nathan Crawford, Section Chief, 717.705.4802.

Facility Location:
Municipality \& County
Berwick Township Adams County Issued

Mount Joy Township
Adams County
Issued

Applicant Name \& PAC010016 Jeff Stough

Cambrian Hills, LP
160 Ram Drive
Hanover, PA 17331

David A. Kehr
47 Fish \& Game Road
Littlestown, PA 17340

PAC220019
Lower Swatara
Township
Dauphin County
Issued

Lower Mahanoy
Township
Northumberland
County
Halifax
Mifflin and Upper
Paxton Townships
Dauphin County
Issued

Lower Paxton
Township
Dauphin County
Issued

Lower Paxton
Township
Dauphin County
Issued

| Applicant Name \& Address | Receiving <br> Water/Use | Contact Office \& Phone No. |
| :---: | :---: | :---: |
| Jeff Stough Cambrian Hills, LP 160 Ram Drive Hanover, PA 17331 | UNT South Branch Conewago Creek (WWF) | Adams County <br> Conservation District 670 Old Harrisburg Road <br> Suite 201 <br> Gettysburg, PA 17325 <br> 717.334.0636 |
| David A. Kehr <br> 47 Fish \& Game Road Littlestown, PA 17340 | Tributary 58863 Alloway Creek (WWF) | Adams County <br> Conservation District 670 Old Harrisburg Road <br> Suite 201 <br> Gettysburg, PA 17325 <br> 717.334.0636 |
| Rhodes Development Group Inc. 1300 Market Street Lemoyne, PA 17043 | UNT Burd Run (WWF) Burd Run (WWF) | Dauphin County Conservation District 1451 Peters Mountain Road Dauphin, PA 17018 717.921.8100 |
| PPL Electric Utilities Corporation 2 North Ninth Street Allentown, PA 18101 | UNT Dalmatia Creek (WWF, MF) UNT Mahantongo Creek (WWF, MF) 11 UNT Wiconisco Creek (WWF, MF) Little Wiconisco Creek (WWF, MF) Wiconisco Creek (WWF, MF) UNT Gurdy Run (WWF, MF) Gurdy Run (WWF, MF) 3 UNT Susquehanna River (WWF, MF) Susquehanna River (WWF, MF) <br> 3 UNT Armstrong Creek (TSF, MF) Armstrong Creek (TSF, MF) New England Run (TSF, MF) | Dauphin County Conservation District 1451 Peters Mountain Road Dauphin, PA 17018 717.921.8100 |
| Lower Paxton Township Authority 425 Prince Street Suite 139 Harrisburg, PA 17109 | Beaver Creek (WWF, MF) | Dauphin County Conservation District 1451 Peters Mountain Road Dauphin, PA 17018 717.921.8100 |
| Devonshire Memorial United Brethren in Christ Church 5630 Devonshire Road Harrisburg, PA 17112 | Beaver Creek (WWF, MF) | Dauphin County Conservation District 1451 Peters Mountain Road Dauphin, PA 17018 717.921.8100 |


| Facility Location: |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Municipality \& County | Permit No. | Applicant Name \& Address | Receiving <br> Water/Use | Contact Office \& Phone No. |
| City of Harrisburg <br> Susquehanna <br> Township <br> Dauphin County <br> Issued | PAC220045 | Dauphin County Commissioners PO Box 1295 Harrisburg, PA 17108 | Susquehanna River (WWF, MF) | Dauphin County Conservation District 1451 Peters Mountain Road Dauphin, PA 17018 717.921.8100 |
| Halifax Township Dauphin County Issued | PAC220046 | Members 1st Federal Credit Union 5000 Louise Drive Mechanicsburg, PA 17055 | UNT Susquehanna <br> River <br> (WWF, MF) <br> UNT Powells Creek (TSF, MF) | Dauphin County Conservation District 1451 Peters Mountain Road Dauphin, PA 17018 717.921.8100 |
| Northcentral Re | Watershed | nt Program Manager, 208 We | Third Street, Willic | rt, PA 17701. |
| Facility Location \& Municipality | Permit No. | Applicant Name \& Address | Receiving <br> Water/Use | Contact Office \& Phone No. |
| Franklin Twp \& Granville Twp, Bradford Cnty | PAC080010 | Jay W. Andrews 9364 Route 514 Granville Summit, PA 16926 | N. Branch Towanda Creek-CWF UNT to N, Branch Towanda Creek-CWF | Bradford County Conservation District Stoll Natural Resource Ctr 200 Lake Rd, Ste E Towanda, PA 18848 (570) 265-5539, x6 |
| College Twp Centre Cnty | PAC140024 | Sam \& Lauren Bonsall 1123 Elderberry Loop Delaware, OH 43015 | UNT Cedar <br> Run-CWF | Centre County Conservation District 414 Holmes Ave Ste 4 <br> Bellefonte, PA 16823 (814) 355-6817 |
| Spring Twp Centre Cnty | PAC140027 | Spring Twp Water Authority 1309 Blanchard Street Bellefonte, PA 16823 | UNT Logan <br> Branch-CWF, MF | Centre County Conservation District 414 Holmes Ave Ste 4 <br> Bellefonte, PA 16823 (814) 355-6817 |
| Muncy Creek Twp Lycoming Cnty | PAC410003 | Jason Mitchell <br> J.C. Bar Development <br> 415 Fallowfield Rd <br> Suite 301 <br> Camp Hill, PA 17011 <br> Greg Cole <br> Cole Holdings LLC <br> 5 Enterprise Dr <br> Danville, PA 17821 | Muncy Creek-TSF | Lycoming County Conservation District 542 County Farm Rd Ste 202 <br> Montoursville, PA 17754 (570) 433-3003 |
| Wolf Twp Lycoming Cnty | PAC410005 | Sterlyn May 5850 Main Road Hunlock Creek, PA 18621 | Wold Run- CWF, MF | Lycoming County Conservation District 542 County Farm Rd Ste 202 <br> Montoursville, PA 17754 (570) 433-3003 |
| Muncy Creek Twp Lycoming Cnty | PAC410011 | Keith Eck <br> 1000 Commerce Dr <br> Williamsport, PA 17701 | UNT to Muncy Creek-CWF | Lycoming County Conservation District 542 County Farm Rd Ste 202 <br> Montoursville, PA 17754 <br> (570) 433-3003 |


| Southwest Region: Waterways and Wetlan | Waterways ds Program | ds Program, 400 Waterfron 412-442-4000. | Drive, Pittsburgh, | 22, Dana Drake, |
| :---: | :---: | :---: | :---: | :---: |
| Facility Location and Municipality | Permit No. | Applicant Name and Address | Receiving <br> Water/Use | Contact Office and Phone No. |
| City of Johnstown | PAC110019 | City of Johnstown 401 Main Street Johnstown, PA 15901 | Stonycreek River (WWF); Cheney Run (WWF) | Cambria County Conservation District 401 Candlelight Drive Suite 229 Ebensburg, PA 15931 (814) 472-2120 |
| Cecil Township | PAC630025 | Overlook at Southpointe, LLC 2000 Georgetown Drive Suite 100 Sewickley, PA 15143 | UNTs to Chartiers Creek (WWF) | Washington County Conservation District 2800 North Main Street Suite 105 Washington, PA 15301 <br> (724) 705-7098 |
| Peters Township | PAC630039 | FPD Company 124 Hidden Valley Road McMurray, PA 15317 | UNT to Chartiers Creek | Washington County Conservation District 2800 North Main Street Suite 105 Washington, PA 15301 <br> (724) 705-7098 |
| South Strabane Township | PAC630046 | J. Angelides Enterprises, LP 20 Carnegie Avenue Staten Island, NY 10314 | UNT to Chartiers Creek | Washington County Conservation District 2800 North Main Street Suite 105 Washington, PA 15301 (724) 705-7098 |
| North Strabane Township | PAC630047 | Ensinger Properties <br> Pennsylvania, LLC <br> 365 Meadowlands Boulevard <br> Washington, PA 15301 | UNT to Chartiers Creek (WWF); Chartiers Creek (WWF) | Washington County Conservation District 2800 North Main Street Suite 105 Washington, PA 15301 (724) 705-7098 |
| Millcreek Township Erie County | PAC250026 | Norcross Land Management LLC <br> 1762 Norcross Road <br> Erie, PA 16510 | Mill Creek WWF; MF | Erie County <br> Conservation District 1927 Wager Road <br> Erie, PA 16509 <br> 814-825-6403 |
| General Permit Type | —PAC |  |  |  |
| Facility Location: <br> Municipality \& County | Permit No. | Applicant Name \& Address | Receiving <br> Water/Use | Contact Office \& Phone No. |
| Croyle Township Ehrenfeld Borough East Taylor Township Cambria County | PAC680006 | Bureau of Abandoned Mine Reclamation Cambria Office 286 Industrial Park Road Ebensburg, PA 15931-4119 | Little Conemaugh River (WWF) and Unnamed Tributary to Little Conemaugh River (CWF) | Attention: Patrick M. Webb <br> PA DEP <br> Cambria Office <br> 286 Industrial Park <br> Road <br> Ebensburg, PA <br> 15931-4119 <br> 814-472-1800 |

General Permit Type—PAG-03

| Facility Location |  |
| :--- | :--- |
| Municipality \& |  |
| County | Permit No. |
| Bridgewater | PAG032222 |
| Township |  |
| Susquehanna County |  |

Applicant Name \&
Address
Diaz Manufacturing Co. LLC
747 Grow Avenue
Montrose, PA 18801
Receiving
Water/Use
Snake Creek (Lake
Montrose)-4-E

Contact Office \& Phone No.
DEP Northeast
Regional Office Clean Water Program 2 Public Square Wilkes-Barre, PA
18701-1915
570.826.2511

| General Permit Type—PAG-4 |  |  |
| :--- | :--- | :--- |
| Facility Location: |  |  |
| Municipality \& | Permit No. |  |
| County | Address |  |
| Summit Township | PAG041222 | Mary L Weichey |
| Butler County |  | 426 Route 422 E |
|  |  | Butler, PA 16002 |

General Permit Type—PAG-12
Facility Location \&
Municipality
Permit No.
Northeast Madison PAG123569
Township
Perry County
Tyrone Township $\quad$ PAG123506
Perry County

Rapho Township
PAG123729
Lancaster County

Metal Township
PAG123725
Franklin County

Permit No
PAG083571
McVeytown Borough
-

## Applicant Name \& <br> Address

McVeytown Borough Authority
Wastewater Treatment Plant
28 South Water Street
McVeytown, PA 17051

Applicant Name \&
Address
John Huber
2701 Fruitville Pike
Lancaster, PA 17601-2919
Leinbach Mark
105 Hoover Lane
Loysville, PA 17047-9208
Hidden Acres Farms
2115 Rohrer Road
Manheim, PA 17545-9136
Junk Inn Farms LLC
14492 Path Valley Road
Willow Hill, PA 17271
Receiving
Water/Use
Unnamed Tributary
to Bonnie
Brook-20-C

Contact Office \& Phone No.
DEP Northwest
Regional Office Clean Water Program 230 Chestnut Street Meadville, PA
16335-3481
814.332.6942

Contact Office \& Phone No.
DEP—SCRO—CW
909 Elmerton Avenue Harrisburg, PA 17110 717-705-4707

Contact Office \& Phone No.
DEP—SCRO—CW
909 Elmerton Avenue Harrisburg, PA 17110 717-705-4707
DEP—SCRO—CW 909 Elmerton Avenue Harrisburg, PA 17110 717-705-4707
DEP—SCRO—CW 909 Elmerton Avenue Harrisburg, PA 17110 717-705-4707
DEP—SCRO—CW
909 Elmerton Avenue Harrisburg, PA 17110 717-705-4707

## STATE CONSERVATION COMIMISSION <br> NUTRIENT MANAGEMENT PLANS RELATED TO APPLICATIONS FOR NPDES PERMITS FOR CAFOs

The State Conservation Commission has taken the following actions on previously received applications for nutrient management plans under 3 Pa.C.S. Chapter 5, for agricultural operations that have or anticipate submitting applications for new, amended or renewed NPDES permits or NOIs for coverage under a general permit for CAFOs under 25 Pa . Code Chapter 92a. This notice is provided in accordance with 25 Pa . Code Chapter 92a and 40 CFR Part 122, implementing The Clean Streams Law and the Federal Clean Water Act.

Persons aggrieved by an action may appeal under 3 Pa.C.S. § 517, section 4 of the Environmental Hearing Board Act and 2 Pa.C.S. $\S 501-508$ and $701-704$ to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, (717) 787-3483. TDD users should contact the Environmental Hearing Board (Board) through the Pennsylvania AT\&T Relay Service at (800) 654-5984. Appeals must be filed with the Board within 30 days of publication of this notice in the Pennsylvania Bulletin. Copies of the appeal form
and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in Braille or on audiotape from the Secretary of the Board at (717) 787-3483. This paragraph does not, in and of itself, create a right of appeal beyond that permitted by applicable statutes and decision law.

For individuals who wish to challenge actions, appeals must reach the Board within 30 days. A lawyer is not needed to file an appeal with the Board.

Important legal rights are at stake, however, so individuals should show this notice to a lawyer at once. Persons who cannot afford a lawyer may qualify for pro bono representation. Call the Secretary of the Board at (717) 787-3483 for more information.

## NUTRIENT MANAGEMENT PLAN <br> PUBLIC NOTICE SPREADSHEET-ACTIONS

| Agricultural Operation Name and Address | County | Total <br> Acres | AEU's | Protection |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Animal Type | Waters (HQ or $E V$ or $N A$ ) | Approved or Disapproved |
| Hanover Shoe Farms, Inc. PO Box 339 | Adams | 2,725 | 888.46 | Horses | NA | Approval |
| 2310 Hanover Pike <br> Hanover, PA 17331 |  |  |  |  |  |  |
| Malcom and Rosanna Rudolph Granite Ridge Farms | Adams | 302 | 718.63 | Swine | NA | Approval |
| 200 Ginzel Road <br> New Oxford, PA 17350 |  |  |  |  |  |  |

## PUBLIC WATER SUPPLY PERMITS

The Department has taken the following actions on applications received under the Pennsylvania Safe Drinking Water Act (35 P.S. §§ 721.1-721.17) for the construction, substantial modification or operation of a public water system.

Persons aggrieved by an action may appeal that action to the Environmental Hearing Board (Board) under section 4 of the Environmental Hearing Board Act and 2 Pa.C.S. §§ 501-508 and 701-704. The appeal should be sent to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, PO Box 8457, Harrisburg, PA 17105-8457, (717) 787-3483. TDD users may contact the Board through the Pennsylvania AT\&T Relay Service, (800) 654-5984. Appeals must be filed with the Board within 30 days of publication of this notice in the Pennsylvania Bulletin unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in Braille or on audiotape from the Secretary to the Board at (717) 787-3483. This paragraph does not, in and of itself, create a right of appeal beyond that permitted by applicable statutes and decisional law.

For individuals who wish to challenge an action, the appeal must reach the Board within 30 days. A lawyer is not needed to file an appeal with the Board.

Important legal rights are at stake, however, so individuals should show this document to a lawyer at once. Persons who cannot afford a lawyer may qualify for free pro bono representation. Call the Secretary to the Board at (717) 787-3483 for more information.

## SAFE DRINKING WATER

## Actions taken under the Pennsylvania Safe Drinking Water Act

Northeast Region: Safe Drinking Water Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915.

| Application No. 48 | 7504MA, Public Water Supply. |
| :---: | :---: |
| Applicant | Hellertown Borough <br> Authority <br> P.O. Box 81 <br> 501 Durham Street <br> Hellertown, PA 18055 |
| [Township or Borough] | Hellertown Borough Northampton County |
| Responsible Official | Mr. Glenn B. Higbie, <br> Administrator <br> Hellertown Borough Authority <br> P.O. Box 81 <br> 501 Durham Street <br> Hellertown, PA 18055 |
| Type of Facility | PWS |
| Consulting Engineer | Danielle SCOLERI, PE <br> Buchart-Horn <br> 2 Eves Drive, Suite 110 <br> Marlton, NJ 08053 |
| Permit Issue Date | 08/21/2017 |
| Southcentral Region: Manager, 909 Elmerton <br> Permit No. 3614519, | Safe Drinking Water Program Avenue, Harrisburg, PA 17110. Public Water Supply. |
| Applicant | East Earl LLC |
| Municipality | East Earl Township |
| County | Lancaster |
| Responsible Official | Larry L. Miller, Water System Operator 2021 Horseshoe Road Lancaster, PA 17602 |
| Type of Facility | New community water system with one well, iron and manganese treatment, nitrate treatment, chlorine disinfection, finished water storage, finished water pumps, and a distribution system. |


| Consulting Engineer | David T. Lewis, P.E. <br> Columbia Water Company 220 Locust Street <br> Columbia, PA 17512 |
| :---: | :---: |
| Permit to Construct Issued | 8/22/2017 |
| Permit No. 011750 Water Supply. | MA, Minor Amendment, Public |
| Applicant | New Oxford Municipal Authority |
| Municipality | Oxford Township |
| County | Adams |
| Responsible Official | Thomas R. Beamer, Manager, NOMA <br> 409 Water Works Road <br> New Oxford, PA 17530 |
| Type of Facility | Installation of an additional 2.0 million gallon finished water storage tank at the Authority's existing water filtration plant. |
| Consulting Engineer | Randolph S. Bailey, P.E. Wm. F. Hill \& Assoc., Inc. 207 Baltimore Street Getysburg, PA 17325 |
| Permit to Construct Issued | 8/25/2017 |

Operation Permit No. 2216503 issued to: Steelton Borough Authority (PWS ID No. 7220036), Steelton Borough, Dauphin County on 8/25/2017 for facilities approved under Construction Permit No. 2216503.

Operation Permit No. 2117504 issued to: North Middleton Authority (PWS ID No. 7210049), North Middleton Township, Cumberland County on 8/22/2017 for facilities approved under Construction Permit No. 2117504.

Northcentral Region: Safe Drinking Water Program Manager, 208 West Third Street, Suite 101, Williamsport, PA 17701-6448.

Permit No. 1917502-Operation—Public Water Supply.
Applicant
Township/Borough
County
Responsible Official

Type of Facility
Consulting Engineer

Tom Bowman Trucking, Inc.
Orange Township
Columbia County
Kelly Bowman
Office Administrator
Tom Bowman Trucking, Inc.
281 Bowmans Mill Road
Orangeville, PA 17859
Public Water Supply
Brett D. Shamory
DMS Environmental Services, LLC
103 South Spring Street
Bellefonte, PA 16823

Permit Issued August 25, 2017
Description of Action
Authorizes operation of a Bulk Water Hauling System, including 8 transport vehicles, 5 trailers, and transfer equipment to bulk haul water from the Suez Water Pennsylvania, Inc. permitted filling station located at the Suez Water Treatment Plant.

Southwest Region: Water Supply Management Program Manager, 400 Waterfront Drive, Pittsburgh, PA 152224745.

Permit No. 0217501, Public Water Supply.

| Applicant | Borough of Tarentum <br> 318 2nd Avenue <br> Tarentum, PA 15084 |
| :--- | :--- |
| [Borough or Township] | Borough of Tarentum <br> Allegheny |
| County | Change in coagulant |
| Type of Facility | Gibson-Thomas Engineering Co., <br> Consulting Engineer <br>  <br>  <br>  <br>  <br>  <br> Inc. <br> 1004 Ligonier Street <br> PO Box 853 <br> Latrobe, PA 15650 |
| Permit to Construct | August 24, 2017 |
| Issued |  |

Issued
Permit No. 6516512, Public Water Supply.
\(\left.$$
\begin{array}{ll}\text { Applicant } & \begin{array}{l}\text { Municipal Authority of } \\
\text { Westmoreland County }\end{array} \\
& \begin{array}{l}\text { 124 Park \& Pool Road }\end{array}
$$ <br>

New Stanton, PA 15672\end{array}\right]\)| [Borough or Township] | Avonmore Borough |
| :--- | :--- |
| County | Westmoreland |
| Type of Facility | Avonmore tank mixing system |
| Consulting Engineer | Gibson-Thomas Engineering Co., |
|  | Inc. |
|  | 1004 Ligonier Street |
|  | PO Box 853 |
| Permit to Construct | Latrobe, PA 15650 |
| August 24, 2017 |  |

Issued
Permit No. 6516512, Public Water Supply.

| Applicant | Latrobe Municipal Authority <br> 104 Guerrier Road <br> Latrobe, PA 15650 |
| :--- | :--- |
| [Borough or Township] | Derry Township <br> Westmoreland |
| County | Chestnut Ridge pump station |
| Type of Facility | Gibson-Thomas Engineering Co., <br> Consulting Engineer <br>  <br>  <br>  <br> Inc. <br> 1004 Ligonier Street <br> PO Box 853 |
| Permit to Construct | Latrobe, PA 15650 |
| August 23, 2017 |  |
| Issued |  |

 Issued

Operations Permit issued to: Borough of Monaca, 928 Pennsylvania Avenue, Monaca, PA 15061, (PWSID \# 5040039) Monaca Borough, Beaver County on August 23, 2017 for the operation of facilities approved under Construction Permit \# 0415502MA.
Operations Permit issued to: Municipal Authority of the Borough of West View, 210 Perry Highway, Pittsburgh, PA 15229, (PWSID \# 5020043) Neville Township, Allegheny County on August 24, 2017 for the operation of facilities approved under Construction Permit \# 0212517.

Operations Permit issued to: Ford City Borough, 1000 4th Avenue, Ford City, PA 16226, (PWSID \# 5030005) Ford City Borough, Armstrong County on August 23, 2017 for the operation of facilities approved under Construction Permit \# 0314503.
Northwest Region: Safe Drinking Water Program Manager, 230 Chestnut Street, Meadville, PA 16335-3481.
Transfer of Operation Permit issued to Lake Arthur Estates LLC, PWSID No. 5100054, Muddy Creek Township, Butler County on August 25, 2017. Action is for change in ownership; the potable water supplier will do business as Lake Arthur Estates MHP. The new permit number is 1097505-MA1-T1.

## WATER ALLOCATIONS

Actions taken on applications received under the act of June 24, 1939 (P.L. 842, No. 365) (35 P.S. $\S \S 631-641$ ) relating to the acquisition of rights to divert waters of the Commonwealth.

Southwest Region: Water Supply Management Program Manager, 400 Waterfront Drive, Pittsburgh, PA 152224745.

WA3-903A, Water Allocations. Rural Valley Borough, PO Box 345, Rural Valley, PA 16249, Armstrong County. The right to withdraw up to 72,000 gallons of water per day from Springs No. 1 and No. 2.

## SEWAGE FACILITIES ACT PLAN APPROVAL

Plan Approvals Granted Under the Pennsylvania Sewage Facilities Act (35 P.S. § 750.5)

Northeast Region: Clean Water Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915.

Plan Location:
Borough or Borough or Township
Township Address County

Texas 506 Willow Avenue Wayne
Township Honesdale, PA 18431
Plan Description: The Plan provides for modifications to the chosen alternative identified as Alternative 1 in the Township's previous official Act 537 Plan Revision approved on May 2, 2014 providing for construction of a sanitary sewer system to serve the Village of White Mills area of Texas Township.

The Plan modifications include reversal of the direction of flow within the LPSS along Long Ridge Road to convey the wastewater northwesterly to a junction with the proposed Rt. 6 LPSS. The LPSS main on White Mills Road has also been extended and rerouted through a private easement, with the main now crossing near the White Mills Fire Hall to Route 6. The new sewage pump station that was to be located at intersection of Rt. 6 \& Rt. 652 has been eliminated. Wastewater from White Mills will instead flow further west to the existing Rt. 6 Pump Station near the existing shopping mall. That pump station will be expanded to a Peak Flow of 0.576 MGD, along with a new $8{ }^{\prime \prime}$ dia. sewage force main which will convey the wastewater to CWRA's WWTP through existing rights of way along Rt. 6 and Old Willow Ave. Proposed wastewater flow from the White Mills area will remain the same at 0.120 MGD. The sewage facilities will be owned and operated by CWRA.
Southcentral Region: Water Management Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110.

Plan Location:

| Borough or <br> Township | Borough or Township <br> Address | County |
| :--- | :--- | :--- |
| Chambersburg | 100 South 2nd St. | Franklin |
| Borough | Chambersburg, PA 17201 |  |

Plan Description: Approval is granted for a revision to the official plan of Chambersburg Borough, Franklin County. The project is known as the E-7 Basin Flow Diversion. The project will divert 0.25 mgd of existing sewage flows in basin E-7 from the East Conococheague Interceptor via a new pump station to the West Conococheague Interceptor near manhole 1359, resulting in the abandonment of the East Conococheague Interceptor from manhole 1348 to manhole 1359. The approved project will require a Water Quality Management (Part II) permit for the construction and operation of the proposed sewage facilities. The permit application must be submitted in the name of the municipality. The Department's review of the revision amendment has not identified any significant impacts resulting from this proposal. The DEP Code Numbers for this plan are A3-28001-182-3 and the APS Id is 941930.

# LAND RECYCLING AND ENVIRONMENTAL REMEDIATION <br> UNDER ACT 2, 1995 <br> PREAMBLE 2 

The following plans and reports were submitted under the Land Recycling and Environmental Remediation Standards Act (35 P.S. §§ 6026.1016026.907).

Provisions of Sections 301-308 of the Land Recycling and Environmental Remediation Standards Act (act) (35 P.S. §§ 6026.301-6026.308) require the Department to publish in the Pennsylvania Bulletin a notice of submission of plans and reports. A final report is submitted to document cleanup of a release of a regulated substance at a site to one of the act's remediation standards. A final report provides a description of the site investigation to characterize the nature and extent of contaminants in environmental media, the basis for selecting the environmental media of concern, documentation supporting the selection of residential or nonresidential exposure factors, a description of the remediation performed and summaries of sampling analytical results which demonstrate that remediation has attained the cleanup standard selected. Submission of plans and reports, other than the final report, will also be published in the Pennsylvania Bulletin. These include the remedial investigation report, risk assessment report and cleanup plan for a site-specific standard remediation. A remedial investigation report includes conclusions from the site investigation; concentration of regulated substances in environmental media; benefits of reuse of the property; and, in some circumstances, a fate and transport analysis. If required, a risk assessment report describes potential adverse effects caused by the presence of regulated substances. If required, a cleanup plan evaluates the abilities of potential remedies to achieve remedy requirements.
For further information concerning plans or reports, contact the environmental cleanup program manager in the Department regional office under which the notice of receipt of plans or reports appears. If information concerning plans or reports is required in an alternative form, contact the community relations coordinator at the appropriate regional office. TDD users may telephone the Department through the Pennsylvania AT\&T Relay Service at (800) 654-5984.
The Department has received the following plans and reports:
Northeast Region: Eric Supey, Environmental Cleanup \& Brownfields Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915.
Circle of Seasons Charter School, 8380 Mohr Lane, Upper Macungie Township and Weisenberg Township, Lehigh County. Moonstone Environmental, 1150 Glenlivet Drive, Suite A23, Allentown, PA 18106, on behalf of Circle of Seasons Charter School, 8380 Mohr Lane, Fogelsville, PA 18051, submitted a Remedial Investigation Report, Risk Assessment, and Final Report concerning remediation of site soils contaminated with lead and arsenic. The report is intended to document remediation of the site to meet the Statewide Health and Site-Specific Standard.

Southcentral Region: Environmental Cleanup and Brownfields Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110. Phone 717.705.4705.

Ryder Transportation Diesel Release, 1603 Old Swede Road, Douglassville, PA 19518, Amity Township,

Berks County. Crawford Environmental Services, 20 Cardinal Drive, Birdsboro, PA 19508, on behalf of Ryder Transportation, 111690 NW 105 Street, Miami, FL 331781103; and Rick and Shannon Brown, 1603 Old Swede Road, Douglassville, PA 19518 submitted a Final Report concerning remediation of site soil contaminated with diesel fuel. The report is intended to document remediation of the site to meet the Residential Statewide Health Standard.

Leffler Energy, Incorporated, 25 Abbie Road, West Manchester Township, York County. Patriot Environmental Management, LLC, P.O. Box 629, Douglassville, PA 19518, on behalf of Richland Partners, LLC, P.O. Box 659, Douglassville, PA 19518, submitted a Final Report concerning remediation of site groundwater contaminated with No. 2 fuel oil. The report is intended to document remediation of the site to meet the Residential Statewide Health Standard.

# LAND RECYCLING AND ENVIRONMENTAL REMEDIATION <br> UNDER ACT 2, 1995 <br> PREAMBLE 3 

The Department has taken action on the following plans and reports under the Land Recycling and Environmental Remediation Standards Act (35 P.S. §§ 6026.101-6026.907).

Section 250.8 of 25 Pa . Code and administration of the Land Recycling and Environmental Remediation Standards Act (act) require the Department to publish in the Pennsylvania Bulletin a notice of its final actions on plans and reports. A final report is submitted to document cleanup of a release of a regulated substance at a site to one of the remediation standards of the act. A final report provides a description of the site investigation to characterize the nature and extent of contaminants in environmental media, the basis of selecting the environmental media of concern, documentation supporting the selection of residential or nonresidential exposure factors, a description of the remediation performed and summaries of sampling methodology and analytical results which demonstrate that the remediation has attained the cleanup standard selected. Plans and reports required by the act for compliance with selection of remediation to a sitespecific standard, in addition to a final report, include a remedial investigation report, risk assessment report and cleanup plan. A remedial investigation report includes conclusions from the site investigation; concentration of regulated substances in environmental media; benefits of reuse of the property; and, in some circumstances, a fate and transport analysis. If required, a risk assessment report describes potential adverse effects caused by the presence of regulated substances. If required, a cleanup plan evaluates the abilities of potential remedies to achieve remedy requirements. A work plan for conducting a baseline remedial investigation is required by the act for compliance with selection of a special industrial area remediation. The baseline remedial investigation, based on the work plan, is compiled into the baseline environmental report to establish a reference point to show existing contamination, describe proposed remediation to be done and include a description of existing or potential public benefits of the use or reuse of the property. The Department may approve or disapprove plans and reports submitted. This notice provides the Department's decision and, if relevant, the basis for disapproval.

For further information concerning the plans and reports, contact the environmental cleanup program man-
ager in the Department regional office under which the notice of the plan or report appears. If information concerning a final report is required in an alternative form, contact the community relations coordinator at the appropriate regional office. TDD users may telephone the Department through the Pennsylvania AT\&T Relay Service at (800) 654-5984.

The Department has received the following plans and reports:
Northeast Region: Eric Supey, Environmental Cleanup \& Brownfields Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915.

Sunoco-Plymouth Pump Station, 680 Huntsville Road, Jackson Township, Luzerne County. Aquaterra Technologies, Inc., 122 South Church Street, West Chester, PA 19381, on behalf of Evergreen Resources Group, LLC, 2 Righter Parkway, Suite 200, Wilmington, DE 19803 submitted a Final Report concerning remediation of site groundwater contaminated with Benzene, toluene, ethylbenzene, Xylenes (Total), MTBE, Cumene, and Naphthalene. The report is intended to document remediation of the site to meet the Statewide Health Standard, and was approved by the Department on August 22, 2017.
Southcentral Region: Environmental Cleanup and Brownfields Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110. Phone 717.705.4705.

Buddies Nursery, 7001 Ben Franklin Highway, Birdsboro, PA 19508, Exeter Township, Berks County. BAI Group, Inc., 341 10th Avenue, Suite 103, Royersford, PA 19468, on behalf of Aulenbach \& Son, Inc., 395 Old River Road, Birdsboro, PA 19508; and Buddies Nursery, 7001 Ben Franklin Highway, Birdsboro, PA 19468 submitted a Final Report concerning site soils contaminated with No. 2 fuel oil from an aboveground storage tank. The Final Report demonstrated attainment of the Nonresidential Statewide Health Standard, and was approved by the Department on August 23, 2017.
Southwest Region: Environmental Cleanup \& Brownfield Development Program Manager, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.

CNIG Park Site, Larimer Avenue \& Station Street, City of Pittsburgh, Allegheny County. KU Resources, Inc., 22 South Linden Street, Duquesne, PA 15110 on behalf of Pittsburgh Urban Redevelopment Authority, 200 Ross Street, Pittsburgh, PA 15219, has submitted a Final Report concerning the remediation of site soil contaminated with VOCs, SVOCs and metals. Public notice was printed in the Pittsburgh Post Gazette on February 14, 2017. The Final Report was approved by the Department on August 23, 2017.

## HAZARDOUS WASTE TRANSPORTER LICENSE

Actions on applications for Hazardous Waste Transporter License received under the Solid Waste Management Act (35 P.S. §§ 6018.101-6018.1003) and regulations to transport hazardous waste.

Central Office: Bureau of Land Recycling and Waste Management, Division of Hazardous Waste Management, PO Box 69170, Harrisburg, PA 17106-9170.
Hazardous Waste Transporter License Issued
Daniels Sharpsmart, Inc., 111 W. Jackson Blvd., Chicago, IL 60604. License No. PA-AH 0864. Effective Aug 22, 2017.

New Applications Received
Action Manufacturing Company, 190 Rittenhouse Circle, Bristol, PA 19007. License No. PA-AH 0865. Effective Aug 28, 2017.

## REGULATED MEDICAL AND CHEMOTHERAPEUTIC WASTE TRANSPORTER LICENSES

Actions on applications for Regulated Medical and Chemotherapeutic Waste Transporter License received under the Solid Waste Management Act and the act of June 28, 1988 (P.L. 525, No. 93) and regulations to transport regulated medical and chemotherapeutic waste.

Central Office: Bureau of Land Recycling and Waste Management, Division of Hazardous Waste Management, PO Box 69170, Harrisburg, PA 17106-9170.

## Renewal Applications Received

Advanced Disposal Services Western PA, Inc., 6330 Route 219, Brockway, PA 15824. License No. PA-HC 0199. Effective Aug 25, 2017.

## REGISTRATION FOR GENERAL PERMIT-RESIDUAL WASTE

Registration Issued Under the Solid Waste Management Act; the Residual Waste Planning, Recycling and Waste Reduction Act (53 P.S. §§ 4000.1014000.1904); and Residual Waste Regulations for a General Permit to Operate Residual Waste Processing Facilities and/or the Beneficial Use of Residual Waste Other Than Coal Ash.

Northcentral Region: Regional Solid Waste Manager, 208 West Third Street, Williamsport, PA 17701.

General Permit Registration No. WMGR081D045. Agape Love From Above To Our Community, 19 East 7th Street, Bloomsburg, PA 17815. Registration to operate under General Permit No. WMGR018D045 is for the Beneficial Use and Processing Prior to Beneficial use of uncontaminated and source-separated electronic equipment and components by sorting, disassembling, mechanical processing (sizing, shaping, separating and volume reduction only), or transfer, for the reuse or recycling. The registration was approved by Northcentral Regional Office on August 22, 2017.

Persons interested in obtaining more information about the general permit application may contact Lisa D. Houser, P.E., Facilities Manager, Williamsport Regional Office, 208 West Third Street, Suite 101, Williamsport, PA 17701, (570) 327-3740. TDD users may contact the Department through the Pennsylvania AT\&T Relay Service, (800) 654-5984.

## AIR QUALITY

General Plan Approval and Operating Permit Usage Authorized under the Air Pollution Control Act (35 P.S. §§ 4001-4015) and 25 Pa. Code Chapter 127 to construct, modify, reactivate or operate air contamination sources and associated air cleaning devices.

[^3]GP1-54-007: Sovereign Health of PA, Inc. (1211 Pierta Del Sol, Suite 200, San Clemente, CA 92673) on August 24, 2017, for the operation of a Cleaver Brooks Boiler at their facility in Butler Township, Schuylkill County.

GP3-40-022: Wilkes-Barre Materials, LLC (500 Chase Road, Shavertown, PA 18708) on August 24, 2017, for the operation of a Crushing Operation at their facility in Plains Township, Luzerne County.

GP9-40-022: Wilkes-Barre Materials, LLC (500 Chase Road, Shavertown, PA 18708) on August 24, 2017, for the operation of (4) four IC engines at their facility in Plains Township, Luzerne County.

GP13-52-001: Eureka Stone Quarry, Inc. (800 Lower State Rd, Chalfont, PA 18914) on August 24, 2017, for the operation a asphalt plant at their facility in Milford Township, Pike County.
Southcentral Region: Air Quality Program, 909 Elmerton Avenue, Harrisburg, PA 17110.

Contact: Thomas Hanlon, Facilities Permitting Chief, 717-705-4862, Virendra Trivedi, New Source Review Chief, 717-705-4863, or William Weaver, Regional Air Quality Manager, 717-705-4702.

GP3-21-KR-17-1: B. R. Kreider (63 Kreider Lane, Manheim, PA 17545) on August 17, 2017, for a portable nonmetallic mineral processing plant, under GP3, at the Pennsy Supply Silver Spring Quarry, in Silver Spring Township, Cumberland County.

GP11-21-KR-17-1: B. R. Kreider (63 Kreider Lane, Manheim, PA 17545) on August 17, 2017, for a non-road engine, under GP11, to power portable nonmetallic mineral processing equipment, at the Pennsy Supply Silver Spring Quarry, in Silver Spring Township, Cumberland County.

GP4-01-07-03044A: Electric Motor \& Supply, Inc. (1000 50th Street, PO Box 152, Altoona, PA 16603) on August 17, 2017, for an existing burn-off oven, under GP4, at the facility located in the City of Altoona, Blair County. The general permit authorization was renewed.

Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.
Contact: Alan Binder, P.E., Environmental Engineer Manager-Telephone: 412-442-4168.

GP5-63-00938C: MarkWest Liberty Midstream and Resources, LLC (1515 Arapahoe Street Tower 2, Suite 700, Denver, CO 80202-2126) on July 13, 2017, to allow the continued operation of the Hoskins Compressor Station located in Blaine Township, Washington County.

Plan Approvals Issued under the Air Pollution Control Act and regulations in 25 Pa . Code Chapter 127, Subchapter B relating to construction, modification and reactivation of air contamination sources and associated air cleaning devices.

Southeast Region: Air Quality Program, 2 East Main Street, Norristown, PA 19401.

Contact: Janine Tulloch-Reid, Facilities Permitting Chief-Telephone: 484-250-5920.

46-0161E: The H \& K Group, Inc. Sanatoga Blacktop (394 South Sanatoga Road, Pottstown, PA 194643148) On August 23, 2017 for the increase of Volatile Organic Compound (VOC) emissions from 0.015 lb VOC/ ton of production to 0.024 lb VOC/ton of production at
their existing Hot Mix Asphalt facility in Lower Pottsgrove Township, Montgomery County.

Northeast Region: Air Quality Program, 2 Public Square, Wilkes-Barre, PA 18711-0790.

Contact: Norman Frederick, P.E., Environmental Engineer Manager-Telephone: 570-826-2409.

39-00106A: Cintas Corp. (164 E Main St., Emmaus, PA 18049-3018) on August 24, 2017 for the operation of a Dry Cleaning Operation at the site located in Emmaus Borough, Lehigh County.

Northwest Region: Air Quality Program, 230 Chestnut Street, Meadville, PA 16335-3481.

Contact: David Balog, New Source Review ChiefTelephone: 814-332-6328.

37-331B: RWE Holdings Co. (535 Rundle Rd., New Castle, PA 16101), on August 22, 2017 issued a Plan Approval to construct and initially operate a new control device for a bulk carbon loading process in Taylor Township, Lawrence County. This is a State Only facility.

Plan Approval Revisions Issued including Extensions, Minor Modifications and Transfers of Ownership under the Air Pollution Control Act and 25 Pa. Code §§ 127.13, 127.13a and 127.32.

Southeast Region: Air Quality Program, 2 East Main Street, Norristown, PA 19401.

Contact: James A. Beach, New Source Review ChiefTelephone: 484-250-5920.

46-0142E: Custom Processing Services LLC (461 State Street, East Greenville, PA 18041-1701) On August 21, 2017 for the replacement of an existing baghouse with a cyclone and a new baghouse on a coarse system in East Greenville Borough, Montgomery County.

46-0161E: H \& K Group Inc. (394 S. Sanatoga Road, Pottstown, PA 19464-3148) On August 23, 2017 for an increase to the VOC emission limit in Pottsgrove Township, Montgomery County.

46-0100: Saint Gobain Abrasives Inc. (200 Commerce Drive, Montgomeryville, PA 18936-9640) On August 15,2017 for modification of the testing requirement to allow the operation of a single abrasive coating line during the stack testing in Montgomery Township, Montgomery County.
Southcentral Region: Air Quality Program, 909 Elmerton Avenue, Harrisburg, PA 17110.

Contact: Thomas Hanlon, Facilities Permitting Chief, 717-705-4862, Virendra Trivedi, New Source Review Chief, 717-705-4863, or William Weaver, Regional Air Quality Manager, 717-705-4702.

36-05017F: Conestoga Wood Specialties Corporation ( 245 Reading Road, East Earl, PA 17519-0158) on August 25, 2017, for the installation of a new Venjakob conveyorized spray coating line, and associated ovens, at the kitchen cabinet manufacturing facility located in East Earl Township, Lancaster County. This equipment will replace the existing CEFLA coating line (Source 203). The plan approval was extended.

36-05107E: Pepperidge Farm, Inc. (2195 N. Reading Road, Denver, PA 17517-9112) on August 25, 2017, to install a bread line controlled by a catalytic oxidizer at the bakery located in East Cocalico Township, Lancaster County. The plan approval was extended.

36-05107F: Pepperidge Farm Inc. (2195 N. Reading Road, Denver, PA 17517) on August 25, 2017, for the installation of a new catalytic oxidizer to replace Catalytic Oxidizer 6 at the bakery located in East Cocalico Township, Lancaster County. The plan approval was extended.
31-05022A: AC Products, Inc., Mt Union Plant (12393 William Penn Highway, Thompsontown, PA 170948649) on August 25, 2017, for a new cabinet manufacturing facility including three automated spray lines and six auxiliary spray booths with hot water heaters/ovens, located in Shirley Township, Huntingdon County. The plan approval was extended.

67-05005J: Brunner Island, LLC (835 Hamilton Street, Suite 150, Allentown, PA 18101-2400) on August 25,2017 , for the addition of contingent annual $\mathrm{NO}_{\mathrm{x}}$ emission limits at the Brunner Island Steam Electric Station located in East Manchester Township, York County. The plan approval was extended.
Northcentral Region: Air Quality Program, 208 West Third Street, Williamsport, PA 17701.
Contact: Muhammad Q. Zaman, Environmental Program Manager—Telephone: 570-327-3648.

18-00011J: Croda, Inc. (8 Croda Way, Mill Hall, PA 17751) on August 15, 2017, to extend the authorization to operate the sources pursuant to the plan approval an additional 180 days from August 18, 2017 to February 14, 2018 at their facility located in Bald Eagle Township, Clinton County. The plan approval has been extended.
Southwest Region: Air Quality Program, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.
Contact: Alan Binder, P.E., Environmental Engineer Manager-Telephone: 412-442-4168.
32-00230B: Texas Eastern Transmission, L.P. (PO Box 1642, Houston, TX 77251) plan approval extension effective on August 28, 2017, with expiration on February 28, 2018, for continued temporary operation of air contamination sources and controls at its Armagh Compressor Station located in West Wheatfield Township, Indiana County.
30-00072E: Consol Pennsylvania Coal Company, LLC (1000 Consol Energy Drive, Canonsburg, PA 15317) plan approval extension effective on August 28, 2017, with expiration on February 28, 2018, for continued temporary operation of air contamination sources and controls associated with the Crabapple Overland Conveyor located in Richhill Township, Greene County.
30-00194B: EQM Gathering Opco, LLC (625 Liberty Avenue, Suite 1700, EQT Plaza, Pittsburgh, PA 15222) plan approval extension effective on August 28, 2017, with expiration on February 28, 2018, for continued temporary operation of air contamination sources and controls at the Callisto Compressor Station located in Morris Township, Greene County.
30-00195A: Equitrans, LP (625 Liberty Avenue, Suite 1700, EQT Plaza, Pittsburgh, PA 15222) Plan Approval Extension effective on August 28, 2017, with expiration on February 28, 2018, for continued temporary operation of air contamination sources and controls at the Jefferson Compressor Station located in Jefferson Township, Greene County.

65-00983A: Dominion Transmission, Inc. (5000 Dominion Boulevard, Glenn Allen, VA 23060) plan approval extension effective on August 28, 2017, with expiration on February 28, 2018, for continued temporary operation of
air contamination sources and controls at the Rock Springs Compressor Station located in Salem Township, Westmoreland County.

03-00975C: Armstrong Power, LLC (2313 State Route 156, Shelocta, PA 15774-3005) plan approval extension effective on August 28, 2017, with expiration on February 28, 2018, for continued temporary operation of air contamination sources and controls at the Armstrong Power Electric Generating Station, located in South Bend Township, Armstrong County.

63-00549A: Arden Landfill, Inc. (200 Rangos Lane, Washington, PA 15301) on August 22, 2017, to extend the temporary operation period for the landfill gas renewable energy facility at the Arden Landfill located in Chartiers Township, Washington County. The new expiration date is February 28, 2018.

Title V Operating Permits Issued under the Air Pollution Control Act and 25 Pa . Code Chapter 127, Subchapter G.

Southeast Region: Air Quality Program, 2 East Main Street, Norristown, PA 19401.

Contact: Janine Tulloch-Reid, Facilities Permitting Chief—Telephone: 484-250-5920.

46-00124: Montgomery Chemicals, LLC (901 Conshohocken Road, Conshohocken, PA 19428) issued on August 24, 2017 the initial Title V Operating Permit for the production of sodium borohydride in Plymouth Township, Montgomery County.

Operating Permits for Non-Title V Facilities Issued under the Air Pollution Control Act and 25 Pa. Code Chapter 127, Subchapter F.

Southeast Region: Air Quality Program, 2 East Main Street, Norristown, PA 19401.

Contact: Janine Tulloch-Reid, Facilities Permitting Chief-Telephone: 484-250-5920.

15-00149: The Vanguard Group, Inc. (455 Devon Park Drive, Wayne, PA 19087) issued on August 24, 2017 an initial State-only Operating permit for the operation of two (2) existing diesel-fired emergency generator sets, each rated at $1,490 \mathrm{bhp}$ for a total electrical production capacity of 2.22 megawatts at their facility in Tredyffrin Township, Chester County. The operating permit will include monitoring, recordkeeping and reporting requirements designed to keep the facility operating within all applicable air quality requirements.
Northeast Region: Air Quality Program, 2 Public Square, Wilkes-Barre, PA 18711-0790.

Contact: Norman Frederick, P.E., Environmental Engineer Manager-Telephone: 570-826-2409.

35-00007: Pennsylvania Department of Public Wel-fare-Clarks Summit State Hospital (1451 Hillside Drive, Clarks Summit, PA 18411-9505) issued on 8/23/17 a State-Only (Natural Minor) Operating Permit for operation of their hospital located in Newton Township, Lackawanna County. The sources include two (2) natural gas-fired boilers, five (5) diesel-fired emergency generators, and six (6) propane-fired emergency generators. The proposed permit contains applicable requirements for emission limitations, work practice standards, testing, monitoring, recordkeeping, and reporting standards used to verify facility compliance with Federal and State air pollution regulations.

48-00087: Federal White Cement, Inc. (75W 21st Street, Northampton, PA 18067-1276) issued on 8/25/17, a State-Only (Synthetic Minor) Operating Permit renewal for operation of their cement terminal located in Northampton Borough, Northampton County. The sources include cement terminal silos controlled by cartridge filters. The permit contains applicable requirements for emission limitations, work practice standards, testing, monitoring, recordkeeping, and reporting standards used to verify facility compliance with Federal and State air pollution regulations.

Southcentral Region: Air Quality Program, 909 Elmerton Avenue, Harrisburg, PA 17110.

Contact: Thomas Hanlon, Facilities Permitting Chief, 717-705-4862, Virendra Trivedi, New Source Review Chief, 717-705-4863, or William Weaver, Regional Air Quality Manager, 717-705-4702.

67-05084: York Wallcoverings, Inc. (2075 Loucks Road, York, PA 17408-9704) on August 17, 2017, for the wallcovering manufacturing facility located in West Manchester Township, York County. The State-only permit was renewed.

22-03041: Librandi's Machine Shop, Inc. (93 Airport Drive, Middletown, PA 17057-5022) on August 24, 2017, for the electroplating operations and burn-off oven at the facility located in Middletown Borough, Dauphin County. The State-only permit was renewed.

Northwest Region: Air Quality Program, 230 Chestnut Street, Meadville, PA 16335-3481.

Contact: Matt Williams, Facilities Permitting Chief at Telephone: 814-332-6940.

10-00087: DU CO Ceramics Company ( 155 S. Rebecca Street, PO Box 568, Saxonburg, PA 16056) on August 23, 2017, the Department issued the operating permit for the facility located in Saxonburg Boro, Butler County. The facility produces precision ceramic insulators for varied industrial and manufacturing applications. The significant sources at the facility are a boiler, ceramic cutting and machining, a Meid Kiln, a Bell Kiln, a Jeffrey Dryer, a diesel emergency generator, a natural gas emergency generator, three minor kilns, parts washers, a Swindell Dressler Tunnel Kiln, and an Allied Roller Hearth Kiln. The conditions of the previous approvals and operating permit were incorporated into the renewal permit. The facility is a Natural Minor. The requirements of 40 CFR 63 Subpart ZZZZ pertaining to the emergency engines were included in the permit renewal. The potential $\mathrm{NO}_{\mathrm{x}}, \mathrm{CO}, \mathrm{PM}, \mathrm{SO}_{\mathrm{x}}$, and VOC emissions from the facility are less than 20.4 TPY, 17 TPY, 2 TPY, 1 TPY, and 17.0 TPY, respectively. The HAPs emissions from the facility are less than 10 TPY and the facility is therefore an Area Source for MACT.

Operating Permit Revisions Issued including Administrative Amendments, Minor Modifications or Transfers of Ownership under the Air Pollution Control Act and 25 Pa. Code $\S ~ 127.412, ~ 127.450, ~$ 127.462 and 127.464.

Southeast Region: Air Quality Program, 2 East Main Street, Norristown, PA 19401.

Contact: Janine Tulloch-Reid, Facilities Permitting Chief-Telephone: 484-250-5920.

23-00017: Exelon Generation Co. Eddystone Generating Station (One Industrial Highway, Eddystone, PA 19022) issued on August 24, 2017 to administratively amend the operating permit for their operation of the
electric utility steam generating units in Eddystone Borough, Delaware County. This amendment changes the emission limits and compliance testing requirements for the three auxiliary boilers (Sources 034, 035 and 036) to match the underlying Federal regulation (40 CFR 63.7520) by allowing these boilers to test for Total Select Metals (TSM). Administrative Amendment of Title V Operating Permit issued under the Air Pollution Control Act ( 35 P.S. §§ 4001-4015) and 25 Pa . Code § 127.450. The permit will include monitoring, recordkeeping, and reporting requirements designed to keep the facility operating within all applicable air quality requirements.

## ACTIONS ON COAL AND NONCOAL MINING ACTIVITY APPLICATIONS

Actions on applications under the Surface Mining Conservation and Reclamation Act (52 P.S. §§ 1396.1-1396.19a); the Noncoal Surface Mining Conservation and Reclamation Act (52 P.S. §§ 3301-3326); The Clean Streams Law; the Coal Refuse Disposal Control Act ( 52 P.S. §§ 30.5130.66); and The Bituminous Mine Subsidence and Land Conservation Act (52 P.S. §§ 1406.11406.20a). The final action on each application also constitutes action on the NPDES permit application and, if noted, the request for a Section 401 Water Quality Certification. Mining activity permits issued in response to applications will also address the application permitting requirements of the following statutes: the Air Quality Pollution Act (35 P.S. §§ 4001-4014); the Dam Safety and Encroachments Act (32 P.S. §§ 693.1693.27); and the Solid Waste Management Act (35 P.S. §§ 6018.101-6018.1002).

Coal Permits Issued
California District Office: 25 Technology Drive, Coal Center, PA 15423, 724-769-1100.

32733709 and NPDES No. PA0214159. Robindale Energy Services, Inc., ( 224 Grange Hall Road, P.O. Box 228, Armagh, PA 15920). To renew the permit for the Dilltown Facility in Brush Valley Township, Indiana County. No additional discharges. The application was considered administratively complete on August 16, 2016. Application received March 2, 2016. Permit issued August 24, 2017.

02841304 and NPDES No. PA0041785. Tesone Land Company, (8961 Conference Drive, Ft. Myers, FL 33919). To renew the permit for the Allegheny Mine and Preparation Plant in Fawn Township, Allegheny County. No additional discharges. The application was considered administratively complete on April 18, 2016. Application received July 10, 2015. Permit issued August 23, 2017.

30081601 and NPDES No. PA0235792. Coresco, LLC, (103 Corporate Drive, Suite 102, Morgantown, WV 26501-2006). To revise the permit for the Overland Conveyor in Dunkard Township, Greene County and related NPDES Permit to install pipelines in relation to the 4-West Deep Mine Dooley Run Pipeline. No additional discharges. The application was considered administratively complete on March 3, 2016. Application received November 23, 2015. Permit issued August 22, 2017.

17031301 and NPDES No. PA0235571. Rosebud Mining Company, (301 Market Street, Kittanning, PA 16201). To revise the permit for the Cherry Tree Mine in Burnside Township, Clearfield County and related NPDES Permit for post-mining land use change. No
additional discharges. The application was considered administratively complete on January 6, 2017. Application received November 15, 2016. Permit issued August 22, 2017.
56743704 and NPDES No. PA0214931. Robindale Energy Services, Inc., (224 Grange Hall Road, P.O. Box 228, Armagh, PA 15920). To renew the permit for the Penn Pocahontas Coal Refuse Site in Brothersvalley Township, Somerset County. The application was considered administratively complete on July 22, 2016. Application received January 27, 2016. Permit issued August 23, 2017.
Knox District Mining Office: P.O. Box 669, 310 Best Avenue, Knox, PA 16232-0669, 814-797-1191.
10120102. Amerikohl Mining, Inc. (202 Sunset Drive, Butler, PA 16001) Renewal of an existing bituminous surface mine in Parker \& Perry Townships, Butler \& Armstrong Counties, affecting 78.4 acres. Receiving streams: Unnamed tributaries to the Allegheny River, unnamed tributaries to South Branch Bear Creek. This renewal is for reclamation only. Application received: June 5, 2017. Permit Issued: August 22, 2017.

16160106 and NPDES Permit No. PA0259721. Ben Hal Mining, Inc. (389 Irishtown Road, Grove City, PA 16127) Commencement, operation and restoration of a bituminous surface mine and associated NPDES permit in Clarion Township, Clarion County, affecting 58.0 acres. Receiving streams: Unnamed tributaries to Brush Run. Application received: April 27, 2017. Permit Issued: August 22, 2017.

29753-16160106-E-1. Ben Hal Mining, Inc. (389 Irishtown Road, Grove City, PA 16127) Application for a stream encroachment to construct a haul road crossing over unnamed tributary to Brush Run in Clarion Township, Clarion County. Receiving streams: Two unnamed tributaries to Brush Run. Application received: April 27, 2017. Permit Issued: August 22, 2017.

New Stanton District Office: 131 Broadview Road, New Stanton, PA 15672, 724-925-5500.

03910115 and NPDES Permit No. PA0200174. Allegheny Minerals Corporation (P.O. Box 1022, Kittanning, PA 16201). Renewal permit issued for commencement, operation and restoration of a bituminous surface mine, located in West Franklin Township, Armstrong County, affecting 468.8 acres. Receiving streams: Buffalo Creek. Application received: March 31, 2014. Permit issued: August 22, 2017.

63120101 and NPDES Permit No. PA0252191. Neiswonger Construction, Inc. (17592 Route 322, Strattanville, PA 16258). Renewal application for reclamation only to an existing bituminous surface mine, located in Somerset Township, Washington County, affecting 62.4 acres. Receiving streams: Unnamed tributaries to N. Branch Pigeon Creek and Pigeon Creek, classified for the following use: WWF. There is no potable water supply intake within 10 miles downstream from the point of discharge. Renewal application received: June 7, 2017.

## Noncoal Permits Issued

Knox District Mining Office: P.O. Box 669, 310 Best Avenue, Knox, PA 16232-0669, 814-797-1191.

PAM617010. James F. Hamilton (748 Cottage Grove, New Castle, PA 16105) General NPDES Permit for stormwater discharges associated with mining activities on Surface Mining Permit No. 3173SM16 in Pulaski Township, Lawrence County. Receiving streams: Un-
named tributary to Shenango River. Application received: August 3, 2017. Permit Issued: August 25, 2017.
Moshannon District Mining Office: 186 Enterprise Drive, Philipsburg, PA 16866, 814-342-8200.
53990804. Kelly Crosby (307 East Oak Street, Coudersport, PA 16915). Final bond release for small industrial minerals surface mine located in Eulalia Township, Potter County. Restoration of 1.0 acre completed. Receiving stream(s): South Hollow to Mill Creek. Application received: June 21, 2017. Final bond release approved: August 23, 2017.
Pottsville District Mining Office: 5 West Laurel Boulevard, Pottsuille, PA 17901, 570-621-3118.

Permit No. PAM112029R. Tunnel Hill Quarry, LLC, (449 Milwaukee Avenue, Old Forge, PA 18518), renewal of General NPDES Stormwater Permit for stormwater discharges associated with mining activities on GP105 Permit No. 66122501 in Clinton Township, Wyoming County. Receiving stream: Tunkhannock Creek to Susquehanna River. Application received: April 20, 2017. Renewal issued: August 24, 2017.

Permit No. PAM112017R. Pioneer Aggregates, Inc., $(215$ E. Saylor Avenue, Laflin, PA 18702), renewal of General NPDES Stormwater Permit for stormwater discharges associates with mining activities on Surface Mining Permit No. 40860301 in Newport Township, Luzerne County. Receiving stream: Newport Creek. Application received: June 6, 2017. Permit issued: August 25, 2017.

Permit No. 58150301 and NPDES Permit No. PA0225584. Pennsy Supply, Inc., (P.O. Box 3331, Harrisburg, PA 17105), commencement, operation and restoration of a quarry operation and NPDES Permit for discharge of treated mine in Middletown and Forest Lake Townships, Susquehanna County affecting 254.5 acres, receiving stream: unnamed tributary to Middle Branch Wyalusing Creek. Application received: May 18, 2015. Permit issued: August 25, 2017.

## ACTIONS ON BLASTING ACTIVITY APPLICATIONS

Actions on applications under the Explosives Acts of 1937 and 1957 and 25 Pa. Code § 211.124. Blasting activity performed as part of a coal or noncoal mining activity will be regulated by the mining permit for that coal or noncoal mining activity.
Blasting Permits Issued
Pottsville District Mining Office: 5 West Laurel Boulevard, Pottsville, PA 17901, 570-621-3118.

Permit No. 06174114. Keystone Blasting Service, (15 Hopeland Road, Lititz, PA 17543), construction blasting for Heidelberg Crossings in South Heidelberg Township, Berks County with an expiration date of August 31, 2017. Permit issued: August 23, 2017.

Permit No. 64174106. Holbert Explosives, Inc., (237 Mast Hope Plank Road, Suite A, Lackawaxen, PA 18435), construction blasting for 806 Conklin Hill Road in Damascus Township, Wayne County with an expiration date of August 21, 2018. Permit issued: August 23, 2017.

Permit No. 67144114. Brubacher Excavating, Inc., (825 Reading Road, Bowmansville, PA 17507), construction blasting at Gifford Pinchot State Park in Warrington Township, York County with an expiration date of July 27, 2018. Permit issued: August 23, 2017.

Permit No. 06174113. M \& J Explosives, LLC, (P.O. Box 1248, Carlisle, PA 17013), construction blasting at Bally Springs in Washington Township, Berks County with an expiration date of August 16, 2018. Permit issued: August 28, 2017.

Permit No. 38174114. Keystone Blasting Service, (15 Hopeland Road, Lititz, PA 17543), construction blasting for Crossings at Sweet Briar in North Lebanon Township, Lebanon County with an expiration date of December 30, 2017. Permit issued: August 28, 2017.

## FEDERAL WATER POLLUTION CONTROL ACT SECTION 401

The Department has taken the following actions on previously received permit applications, requests for Environmental Assessment approval and requests for Water Quality Certification under section 401 of the Federal Water Pollution Control Act (FWPCA) (33 U.S.C.A. § 1341).

Except as otherwise noted, the Department has granted 401 Water Quality Certification certifying that the construction and operation described will comply with sections 301-303, 306 and 307 of the FWPCA (33 U.S.C.A. §§ 1311-1313, 1316 and 1317) and that the construction will not violate applicable Federal and State water quality standards.

Persons aggrieved by an action may appeal that action to the Environmental Hearing Board (Board) under section 4 of the Environmental Hearing Board Act and 2 Pa.C.S. §§ $501-508$ and $701-704$. The appeal should be sent to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, PO Box 8457, Harrisburg, PA 17105-8457, (717) 787-3483. TDD users may contact the Board through the Pennsylvania AT\&T Relay Service, (800) 654-5984. Appeals must be filed with the Board within 30 days of publication of this notice in the Pennsylvania Bulletin unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in Braille or on audiotape from the Secretary to the Board at (717) 787-3483. This paragraph does not, in and of itself, create a right of appeal beyond that permitted by applicable statutes and decisional law.

For individuals who wish to challenge an action, the appeal must reach the Board within 30 days. A lawyer is not needed to file an appeal with the Board.
Important legal rights are at stake, however, so individuals should show this notice to a lawyer at once. Persons who cannot afford a lawyer may qualify for free pro bono representation. Call the Secretary to the Board at (717) 787-3483 for more information.

## Actions on applications for the following activities filed under the Dam Safety and Encroachments Act (32 P.S. §§ 693.1-693.27), section 302 of the Flood Plain Management Act (32 P.S. § 679.302) and The Clean Streams Law and Notice of Final Action for Certification under section 401 of the FWPCA. <br> Permits, Environmental Assessments and 401 Water Quality Certifications Issued: <br> WATER OBSTRUCTIONS AND ENCROACHMENTS

Southeast Region: Waterway and Wetlands Program Manager, 2 East Main Street, Norristown, PA 19401, Telephone 484-250-5900.

E46-1137. Pennsylvania Department of Transportation, 7000 Geerdes Boulevard, King of Prussia, PA 19406-1525, Norristown Municipality, Montgomery County, ACOE Philadelphia District.

To perform the following water obstruction and encroachment activities associated with the SR 0202, Section 510 (Markley Street) Improvement Project with proposed work on Elm Street and Markley Street bridges over the Stoney Creek (TSF). Specific water obstruction and encroachment are:

1. To remove the existing twin Markley Street bridges and replace and maintain in their place a single span concrete bulb tee girder bridge, approximately 113.5 feet of clear span with approximately 8.2 feet underclearance.
2. To replace and maintain three existing storm drain outlets that discharge through the existing bridge abutments or wingwalls as follows: the existing 18 -inch storm drain in the southwest quadrant, 15 -inch storm drain in the southeast quadrant, and an 18 -inch storm drain in the northwest quadrant with an 18 -inch, a 36 -inch, and a 48-inch storm drain, respectively.
3. To place and maintain one new 18 -inch at the storm drain outlet constructed in the northeast quadrant of the proposed bridge as per the attached plans.
4. To place approximately 147 linear feet of rock scour protection along the bridge abutments, at the storm drain outlets and along the northern stream bank to curtail scour.
5. To conduct grading work within the floodway to accommodate the widening of Main Street between Astor and Barbados Streets to provide for two travel lanes in the westbound direction.
6. To conduct grading work within the floodway where Marshall and Main Streets intersect the railway to accommodate proposed upgrade to the railway routes by installing new gates, signals, and crossing surfaces.
7. The existing sanitary sewer mains along Markley Street in the floodway (owned by Norristown Municipal Waste Authority) will also be replaced between Main and Elm Streets.
8. To rehabilitate and maintain the existing Elm Street bridge over Stoney Creek by repointing of the mortar joints, repairs to areas of missing stones, placement of scour protection, and the replacement of the two existing sewer lines that protrude through the arches above the 100-year flood elevation.
9. To place cofferdams in the stream that will temporarily dewater portions of the stream channel during construction. Cofferdams will be used at the Markley Street bridge to remove and replace the bridge abutments, install the rock aprons, and to remove the existing pier 2 feet below final grade. Cofferdams will also be used at the Elm Street bridge to alternate the dewatering of the Arch barrels to allow placement of the rock scour protection along the bridge abutment and within the stream channel.

The project will permanently impact approximately 299 linear feet ( 2,500 sq. ft.) and temporarily impact 35 linear feet ( $5,437 \mathrm{sq}$. ft.). The project commences from approximately 200 feet north of the edge of the Schuylkill River where Markley Street/SR 0202 crosses over the river and runs north along SR 0202 and stops at the intersection of SR 0202/Markley Street Johnson Highway in Norristown Municipality, Montgomery County (Norristown and Lansdale USGS Quadrangle, Longitude: $75^{\circ} 20^{\prime} 45.1^{\prime \prime}$; Latitude: $40^{\circ} 7^{\prime} 8.5^{\prime \prime}$ ).

The issuance of this permit also constitutes approval of a Water Quality Certification under Section 401 of the Federal Water Pollution Control Act (33 U.S.C.A. § 1341(a)).
Southcentral Region: Waterways \& Wetlands Program, 909 Elmerton Avenue, Harrisburg, PA 17110, Ed Muzic, Section Chief, 717.705.4802.

E06-713: Mr. David King, King Real Estate Group A, LLC, 16515 Pottsville Pike, Suite A, Hamburg, PA 19526 in Perry and Windsor Townships, Berks County, U.S. Army Corps of Engineers, Baltimore District.

To construct and maintain a commerce park for distribution, logistics, and light industrial users with associated infrastructure. The applicant proposes to construct and maintain 1) roadway fill, drainage excavation, and a 18 -inch diameter by 25 feet long SLCPP culvert permanently impacting 22 linear feet of a UNT to the Schuylkill River (WWF, MF) and its associated floodway, and 0.06 acre of Palustrine Emergent/Palustrine Scrub Shrub (PEM/PSS) wetland; 2) a wetland road crossing with a 18 -inch diameter by 94 feet long SLCPP culvert and a six inch water line crossing within the road crossing permanently impacting 0.13 acre of PEM/PSS wetland; 3) two warehouses with associated utilities, fills and excavations permanently impacting 10 linear feet of a UNT to Pigeon Creek (WWF, MF) and its floodway, permanently impacting 788 linear feet of another UNT to Pigeon Creek (WWF, MF) and its floodway, permanently impacting 0.32 acre of PEM wetland, and permanently impacting 0.02 acre of Palustrine Forested (PFO) wetland; 4) removal of an existing culvert pipe and install and maintain a 8 -inch pipe outfall and associated riprap apron in and along and impacting 16 linear feet of a UNT to Pigeon Creek (WWF, MF) and its associated floodway; 5) a stormwater management facility and a driveway in and permanently impacting and relocating 179 linear feet of a UNT to the Schuylkill River (WWF, MF) and its floodway with a 24 -inch diameter culvert with rip rap apron underneath a driveway crossing and Stormwater basin; 6) construct a relocated stream channel rip rap apron and a driveway in and permanently impacting 0.01 acre of an online pond (classified as POW) ; 7) a 8-inch PVC sanitary sewer line in, across and impacting 4 linear feet of a UNT to the Schuylkill River (WWF, MF) and its associated floodway; 8) restoration of 1,170 linear feet of UNTs to Pigeon Creek (WWF, MF) through removal of two existing culverts and installation of rock vanes; 9) a compensatory wetland mitigation area permanently impacting the floodway of a UNT to the Schuylkill River (WWF, MF), 0.08 acre of PEM/PSS wetland, and 0.43 acre open water pond (classified as a Palustrine Open Water [POW]) to create wetland as compensatory mitigation. To compensate for wetland and stream impacts the applicant is proposing to create 0.81 acre of wetland at two on-site locations with 0.23 acre being PFO and 0.27 being PSS and the remainder being PEM wetland; re-locate and create a UNT to the Schuylkill River (WWF/MF) for at least 200 linear feet; and restore/enhance 1,170 linear feet of UNT to Pigeon Creek (WWF, MF) with riparian buffer enhancements and instream enhancement structures. The project is located on the East Side of State Route 61 and North of Zions Church Road (Hamburg, PA Quadrangle, Latitude: $40^{\circ} 31^{\prime} 48^{\prime \prime}$, Longitude: $-75^{\circ} 57^{\prime} 58^{\prime \prime}$ ) in Windsor and Perry Townships, Berks County.

E67-935: ARWCO CORP., 1030 Wilson Avenue, Hanover, PA 17331, Glatco Lodge Road Quarry, Heidelberg Township, York County, U.S. Army Corps of Engineers Baltimore District.

To fill and maintain a 0.4 acre, abandoned open water quarry pit with clean fill. The project is located west of Glatco Lodge Road, north of its intersection with Moulstown Road (Hanover, PA Quadrangle, Latitude: $39^{\circ} 50^{\prime} 17^{\prime \prime}$, Longitude: $-76^{\circ} 56^{\prime} 51^{\prime \prime}$ ) in Heidelberg Township, York County. The purpose of the project is to reclaim the mine area and convert the site to productive agricultural land. A completed mitigation site associated with the project is on Orefield Road.

E31-238: Pennsylvania Department of Transportation, Engineering District 9-0, 1620 North Juniata Street, Hollidaysburg, PA 16648 in Jackson Township, Huntingdon County, U.S. Army Corps of Engineers, Baltimore District.

To maintain 2 18-inch diameter outfalls in UNT Standing Stone Creek (HQ-CWF) and Standing Stone Creek (HQ-CWF) with R-4 and R-5 Riprap scour protection for the purpose of improving roadway safety. The project is located in Jackson Township, Huntingdon County. ( $40^{\circ}$ $\left.38^{\prime} 26.4^{\prime \prime},-77^{\circ} 49^{\prime} 55.8^{\prime \prime}\right)$.

Northwest Region: Watershed Management Program Manager, 230 Chestnut Street, Meadville, PA 16335-3481.

E42-376, Bradford Township Supervisors, 136 Hemlock Street, Bradford, PA 16701. Sleepy Hollow Road Bridge Replacement Project across Marilla Brook in Bradford Township, McKean County, ACOE Pittsburgh District (Saxonburg, PA Quadrangle N: $41^{\circ}, 56^{\prime}, 49.4^{\prime \prime}$; W: $\left.-78^{\circ}, 42^{\prime}, 24.4^{\prime \prime}\right)$.

Remove the existing structure and to construct and maintain a single-span, premanufactured steel I-beam bridge with a timber deck and supported by a geosynthetic reinforced soil abutments having a span of 40.0 feet and an underclearance of 5.38 feet on a $90^{\circ}$ skew across Marilla Brook on Sleepy Hollow Road (T-594) at its intersection with SR 0346 in Bradford Township, McKean County. (Saxonburg, PA Quadrangle N: $41^{\circ}, 56^{\prime}$, 49.4"; W: $\left.-78^{\circ}, 42^{\prime}, 24.4^{\prime \prime}\right)$. The proposed structure will be constructed 37.5 feet downstream of the existing structure. The project will permanently impact 0.01 acre of PEM wetland.
District Oil and Gas Operations: Eastern Oil \& Gas District, 208 West Third Street, Suite 101, Williamsport, $P A$.

E5929-067: SWN Production Company, LLC, 917 State Route 92 North, Tunkhannock, PA 18657, Liberty and Hamilton Township, Tioga County, ACOE Baltimore District.
To construct, operate, and maintain:

1) A temporary construction access using timber mats and temporary grading, a coffer dam obstructing $2 / 3$ of the river at a time, two 10 inch diameter waterlines and an intake structure $6^{\prime}$ in length and $2^{\prime}$ in diameter installed below existing grade impacting 2,554 square feet of an exceptional value palustrine emergent (EV-PEM) wetland and 93 linear feet of the Tioga River (CWF) (Blossburg, PA Quadrangle $41^{\circ} 39^{\prime} 33^{\prime \prime} \mathrm{N}, 77^{\circ} 02^{\prime} 54^{\prime \prime} \mathrm{W}$ );
2) A 12 inch diameter waterline impacting 28 linear feet of an unnamed tributary to Tioga River (CWF) (Blossburg, PA Quadrangle $41^{\circ} 39^{\prime} 27^{\prime \prime} \mathrm{N}, 77^{\circ} 03^{\prime} 05^{\prime \prime} \mathrm{W}$ );
3) A temporary road crossing using timber mats and a 12 inch diameter waterline impacting 41 linear feet of an unnamed tributary to Tioga River (CWF) (Blossburg, PA Quadrangle $41^{\circ} 39^{\prime} 20^{\prime \prime} \mathrm{N}, 77^{\circ} 03^{\prime} 22^{\prime \prime} \mathrm{W}$ );
4) A temporary road crossing using timber mats and a 12 inch diameter waterline impacting 40 linear feet of an
unnamed tributary to Taylor Run (EV) (Blossburg, PA Quadrangle $41^{\circ} 38^{\prime} 45^{\prime \prime} \mathrm{N}, 77^{\circ} 03^{\prime} 49^{\prime \prime} \mathrm{W}$ );
5) A temporary road crossing using timber mats and a 12 inch diameter waterline impacting 49 linear feet of an unnamed tributary to Taylor Run (EV) (Blossburg, PA Quadrangle $41^{\circ} 38^{\prime} 44^{\prime \prime} \mathrm{N}, 77^{\circ} 03^{\prime} 49^{\prime \prime} \mathrm{W}$ );
6) A temporary road crossing using timber mats and a 12 inch diameter waterline impacting 75 linear feet of an unnamed tributary to Taylor Run (EV) (Blossburg, PA Quadrangle $41^{\circ} 38^{\prime} 42^{\prime \prime} \mathrm{N}, 77^{\circ} 03^{\prime} 48^{\prime \prime} \mathrm{W}$ );
7) A 12 inch diameter waterline impacting 473 square feet of an exceptional value palustrine emergent (EVPEM) wetland (Blossburg, PA Quadrangle $41^{\circ} 38^{\prime} 18^{\prime \prime} \mathrm{N}$, $77^{\circ} 03^{\prime} 50^{\prime \prime} \mathrm{W}$ );
8) A 12 inch diameter waterline impacting 514 square feet of an exceptional value palustrine emergent (EVPEM) wetland (Blossburg, PA Quadrangle $41^{\circ} 38^{\prime} 13^{\prime \prime} \mathrm{N}$, $77^{\circ} 03^{\prime} 59^{\prime \prime} \mathrm{W}$ );
9) A temporary road crossing and a 12 inch diameter waterline impacting 487 square feet of an exceptional value palustrine forested (EV-PFO) wetland (Blossburg, PA Quadrangle $41^{\circ} 38^{\prime} 03^{\prime \prime} \mathrm{N}, 77^{\circ} 04^{\prime} 05^{\prime \prime} \mathrm{W}$ );
10) A temporary road crossing and a 12 inch diameter waterline impacting 876 square feet of an exceptional value palustrine forested (EV-PFO) wetland (Blossburg, PA Quadrangle $41^{\circ} 37^{\prime} 52^{\prime \prime} \mathrm{N}, 77^{\circ} 04^{\prime} 06^{\prime \prime} \mathrm{W}$ );
11) A temporary road crossing and a 12 inch diameter waterline impacting 44 linear feet of an unnamed tributary to Long Run (CWF) (Blossburg, PA Quadrangle $41^{\circ} 37^{\prime} 50^{\prime \prime} \mathrm{N}, 77^{\circ} 04^{\prime} 07^{\prime \prime} \mathrm{W}$ );
12) A temporary road crossing and a 12 inch diameter waterline impacting 797 square feet of an exceptional value palustrine forested (EV-PFO) wetland (Blossburg, PA Quadrangle $41^{\circ} 37^{\prime} 48^{\prime \prime} \mathrm{N}, 77^{\circ} 04^{\prime} 10^{\prime \prime} \mathrm{W}$ );
13) A temporary road crossing and a 12 inch diameter waterline impacting 42 linear feet of an unnamed tributary to Long Run (CWF) (Blossburg, PA Quadrangle $41^{\circ} 37^{\prime} 50^{\prime \prime} \mathrm{N}, 77^{\circ} 04^{\prime} 39^{\prime \prime} \mathrm{W}$ );
14) A temporary road crossing and a 12 inch diameter waterline impacting 41 linear feet of an unnamed tributary to Bellman Run (CWF) (Blossburg, PA Quadrangle $41^{\circ} 37^{\prime} 32^{\prime \prime} \mathrm{N}, 77^{\circ} 05^{\prime} 14^{\prime \prime} \mathrm{W}$ );
15) A temporary road crossing and a 12 inch diameter waterline impacting 52 linear feet of an unnamed tributary to Blacks Creek (CWF) (Liberty, PA Quadrangle $41^{\circ} 36^{\prime} 45^{\prime \prime} \mathrm{N}, 77^{\circ} 06^{\prime} 00^{\prime \prime} \mathrm{W}$ );
16) A 12 inch diameter waterline via conventional bore impacting 140 square feet of an exceptional value palustrine forested (EV-PFO) wetland (Liberty, PA Quadrangle $41^{\circ} 36^{\prime} 44^{\prime \prime} \mathrm{N}, 77^{\circ} 06^{\prime} 00^{\prime \prime} \mathrm{W}$ );
17) A temporary road crossing impacting 1,745 square feet of an exceptional value palustrine emergent (EVPEM) wetland (Liberty, PA Quadrangle $41^{\circ} 36^{\prime} 21^{\prime \prime} \mathrm{N}$, $77^{\circ} 05^{\prime} 58^{\prime \prime} \mathrm{W}$ );
18) A temporary road crossing 987 square feet of an exceptional value palustrine emergent (EV-PEM) wetland (Blossburg, PA Quadrangle $41^{\circ} 37^{\prime} 35^{\prime \prime} \mathrm{N}, 77^{\circ} 04^{\prime} 06^{\prime \prime} \mathrm{W}$ );
19) A temporary timber mat and 916 square feet of an exceptional value palustrine emergent (EV-PEM) wetland (Liberty, PA Quadrangle $41^{\circ} 37^{\prime} 28^{\prime \prime} \mathrm{N}, 77^{\circ} 04^{\prime} 05^{\prime \prime} \mathrm{W}$ );
20) A temporary timber mat and 1,625 square feet of an exceptional value palustrine emergent (EV-PEM) wetland (Liberty, PA Quadrangle $41^{\circ} 37^{\prime} 21^{\prime \prime} \mathrm{N}, 77^{\circ} 04^{\prime} 06^{\prime \prime} \mathrm{W}$ );
21) A temporary timber mat and 1,085 square feet of an exceptional value palustrine emergent (EV-PEM) wetland (Liberty, PA Quadrangle $41^{\circ} 37^{\prime} 15^{\prime \prime} \mathrm{N}, 77^{\circ} 03^{\prime} 44^{\prime \prime} \mathrm{W}$ ).
The project will result in 2,160 square feet ( 0.05 acre) of permanent wetland impacts, 10,039 square feet ( 0.23 acre) of temporary wetland impacts and 505 linear feet of temporary stream impacts all for the purpose of installing a waterline for marcellus well development in Hamilton and Liberty Township, Tioga County.
E5829-115: Harford Township, Williams Field Services Company, LLC, Park Place Corporate Center 2, 2000 Commerce Drive, Pittsburgh, PA 15275; Harford Township, Susquehanna County, ACOE Baltimore District.

To construct, operate, and maintain:

1) a 16 -inch diameter steel natural gas pipeline and temporary timber bridge crossing impacting 50 linear feet of Nine Partners Creek (CWF, MF) (Harford, PA Quadrangle; Latitude: $41^{\circ} 48^{\prime} 17^{\prime \prime}$, Longitude: $-75^{\circ} 41^{\prime} 32^{\prime \prime}$ ),
2) a temporary timber mat crossing impacting 24 square feet ( $<0.01$ acre) of a palustrine emergent wetlands (PEM) (Harford, PA Quadrangle; Latitude: $41^{\circ} 48^{\prime}$ $17^{\prime \prime}$, Longitude: $-75^{\circ} 41^{\prime} 33^{\prime \prime}$ ),
3) a temporary timber mat crossing impacting 1,260 square feet ( 0.03 acre) of a palustrine emergent wetlands (PEM) (Harford, PA Quadrangle; Latitude: $41^{\circ} 47^{\prime} 49^{\prime \prime}$, Longitude: $-75^{\circ} 42^{\prime} 33^{\prime \prime}$ ),
4) a temporary timber bridge crossing impacting 187 linear feet of floodway to an unnamed tributary to Leslie Creek (CWF, MF) (Harford, PA Quadrangle; Latitude: $41^{\circ}$ $47^{\prime} 48^{\prime \prime}$, Longitude: $-75^{\circ} 42^{\prime} 35^{\prime \prime}$ ),
5) a 16 -inch diameter steel natural gas pipeline and temporary timber bridge crossing impacting 80 linear feet of a tributary to Leslie Creek (CWF, MF) (Harford, PA Quadrangle; Latitude: $41^{\circ} 47^{\prime} 47^{\prime \prime}$, Longitude: $-75^{\circ} 42^{\prime}$ $36^{\prime \prime}$ ),
6) a temporary timber mat crossing impacting 75 square feet ( $<0.01$ acre) of a palustrine emergent wetlands (PEM) (Harford, PA Quadrangle; Latitude: $41^{\circ} 47^{\prime}$ $47^{\prime \prime}$, Longitude: $-75^{\circ} 42^{\prime} 36^{\prime \prime}$ ),
7) a 16 -inch diameter steel natural gas pipeline and temporary timber mat crossing impacting 282 square feet ( 0.01 acre) of a palustrine emergent wetlands (PEM) (Harford, PA Quadrangle; Latitude: $41^{\circ} 47^{\prime} 47^{\prime \prime}$, Longitude: $-75^{\circ} 42^{\prime} 36^{\prime \prime}$ ),
8) a 16 -inch diameter steel natural gas pipeline and temporary timber bridge crossing impacting 101 linear feet of an unnamed tributary to Leslie Creek (CWF, MF) (Harford, PA Quadrangle; Latitude: $41^{\circ} 47^{\prime} 47^{\prime \prime}$, Longitude: $-75^{\circ} 42^{\prime} 37^{\prime \prime}$ ),
9) a 16 -inch diameter steel natural gas pipeline and temporary timber mat crossing impacting 1,725 square feet ( 0.04 acre ) of a palustrine emergent wetlands (PEM) (Harford, PA Quadrangle; Latitude: $41^{\circ} 47^{\prime} 45^{\prime \prime}$, Longitude: $-75^{\circ} 42^{\prime} 38^{\prime \prime}$ ),
10) a 16 -inch diameter steel natural gas pipeline and temporary timber bridge crossing impacting 49 linear feet of Leslie Creek (CWF, MF) (Harford, PA Quadrangle; Latitude: $41^{\circ} 47^{\prime} 38^{\prime \prime}$, Longitude: $-75^{\circ} 42^{\prime} 47^{\prime \prime}$ ),
11) a 16 -inch diameter steel natural gas pipeline and temporary timber mat crossing impacting 1,000 square feet ( 0.02 acre) of a palustrine emergent wetlands (PEM) (Harford, PA Quadrangle; Latitude: $41^{\circ} 47^{\prime} 37^{\prime \prime}$, Longitude: $-75^{\circ} 42^{\prime} 47^{\prime \prime}$ ),
12) a 16 -inch diameter steel natural gas pipeline and temporary timber mat crossing impacting 2,442 square feet ( 0.06 acre ) of a palustrine emergent wetlands (PEM) and 1,748 square feet ( 0.04 acre ) of a palustrine forested wetland (PFO) (Harford, PA Quadrangle; Latitude: $41^{\circ}$ 47' $06^{\prime \prime}$, Longitude: $-75^{\circ} 42^{\prime} 56^{\prime \prime}$ ),
13) a temporary timber bridge crossing impacting 120 linear feet of floodway to an unnamed tributary to Leslie Creek (CWF, MF) (Harford, PA Quadrangle; Latitude: $41^{\circ}$ 47' 01', Longitude: $-75^{\circ} 43^{\prime} 46^{\prime \prime}$ ),
14) a 16 -inch diameter steel natural gas pipeline and temporary timber bridge crossing impacting 55 linear feet of an unnamed tributary to East Branch Martins Creek (CWF, MF) (Harford, PA Quadrangle; Latitude: $41^{\circ} 47^{\prime}$ $00^{\prime \prime}$, Longitude: $-75^{\circ} 43^{\prime} 51^{\prime \prime}$ ),
15) a 16 -inch diameter steel natural gas pipeline and temporary timber mat crossing impacting 2,508 square feet ( 0.06 acre) of a palustrine emergent wetlands (PEM) (Harford, PA Quadrangle; Latitude: $41^{\circ} 47^{\prime} 01^{\prime \prime}$, Longitude: $-75^{\circ} 43^{\prime} 53^{\prime \prime}$ ),
16) a 16 -inch diameter steel natural gas pipeline and temporary timber bridge crossing impacting 52 linear feet of an unnamed tributary to East Branch Martins Creek (CWF, MF) (Harford, PA Quadrangle; Latitude: $41^{\circ} 47^{\prime}$ $02^{\prime \prime}$, Longitude: $-75^{\circ} 43^{\prime} 58^{\prime \prime}$ ),
17) a 16 -inch diameter steel natural gas pipeline and temporary timber bridge crossing impacting 51 linear feet of an unnamed tributary to East Branch Martins Creek (CWF, MF) (Harford, PA Quadrangle; Latitude: $41^{\circ} 47^{\prime}$ $10^{\prime \prime}$, Longitude: $-75^{\circ} 44^{\prime} 06^{\prime \prime}$ ),
18) a temporary existing bridge crossing impacting 10 linear feet of an unnamed tributary to Nine Partners Creek (CWF, MF) (Harford, PA Quadrangle; Latitude: $41^{\circ}$ $48^{\prime} 20^{\prime \prime}$, Longitude: $-75^{\circ} 41^{\prime} 29^{\prime \prime}$ ),
19) a 16 -inch diameter steel natural gas pipeline and temporary timber bridge crossing impacting 42 linear feet of an unnamed tributary to Leslie Creek (CWF, MF) (Harford, PA Quadrangle; Latitude: $41^{\circ} 47^{\prime} 07^{\prime \prime}$, Longitude: $-75^{\circ} 42^{\prime} 55^{\prime \prime}$ ).

The Harding Pipeline project consists of constructing approximately 4.80 miles of new $16^{\prime \prime}$ steel natural gas gathering line located in Harford Township, Susquehanna County. The project will result in 490 lineal feet of temporary stream impacts, 307 lineal feet ( 0.15 acre) of floodway only impacts, 9,316 square feet ( 0.24 acre) of temporary wetlands impacts, and 2,175 square feet ( 0.046 acre) of permanent wetland impacts to provide safe reliable conveyance of Marcellus Shale natural gas to market.

Northwest Region: Oil and Gas Program Manager, 230 Chestnut Street, Meadville, PA 16335; 814-332-6860.

E24-08-010/E42-08-021, NFG Midstream Clermont LLC, 6363 Main Street, Williamsville, NY 14221-5855. Phase 3 South Pipeline in the City of Saint Marys and Jones and Ridgway Townships, Elk County and Sergeant Township, McKean County, Army Corps of Engineers Pittsburgh District (Glen Hazel, Ridgway, Saint Marys and Wildwood Fire Tower, PA Quadrangles 41.541501 N ; -78.522203W).

The applicant proposes to construct and maintain approximately 16 miles of pipelines including three (3) natural gas gathering pipelines and one (1) water line located between existing/proposed well pads and a compressor station in the City of Saint Marys and Jones and Ridgway Townships, Elk County. Project impacts require wetland mitigation due to PFO to PEM wetland conversion. The mitigation site is proposed in Sergeant Township, McKean County.

In Elk County, the project will result in 1,790 linear feet of temporary stream impacts and a total of 166,585 square feet of temporary floodway impacts. Total wetland impacts include 0.251 acre of temporary and 1.08 acre of permanent (PFO to PEM conversion).

PFO Wetland creation of 2.18 acres is proposed as compensation for PFO to PEM conversion. In McKean County, the project will result in 0.02 acre of temporary wetland impacts.

The water obstructions and encroachments are described below:

To construct and maintain:

Impact No.
1

2 Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with
$3 \quad$ Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with

4 Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing of a PEM Wetland (WA34) with 0.008 acre of temporary wetland impacts.
$5 \quad$ Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to a UNT Long Branch

Crooked Creek (SA20) (EV) having 107 linear feet of temporary stream impacts and 10,855 square feet of temporary floodway impact.
6

## Description of Impact

Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to South Fork Straight

Creek (SD8) (EV) having 86 linear feet of temporary stream impacts and 8,634 square feet of temporary floodway impact. associated right-of-way and a temporary road crossing of a PEM Wetland (WD9) with 0.12 acre of temporary wetland impacts. associated right-of-way and a temporary road crossing to a UNT Maple Run
(SC26) (EV) having 113 linear feet of temporary stream impacts and 9,351 square feet of temporary floodway impact.
4

Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing of a PFO Wetland (WD2) with 0.21 acre of permanent wetland impacts (conversion to PEM).

## Latitude / Longitude

41.555993 N
78.522763 W
41.555620 N
78.522950 W
41.541648 N
78.521500 W
41.519423 N
78.560692 W
41.518698 N
78.561351 W
41.510701 N
78.566967 W

## Description of Impact

Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to Crooked Creek (SD3) (HQ-CWF) having 104 linear feet of temporary stream impacts and 6,780 square feet of temporary floodway impact.
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing of a PFO Wetland (WD3) with 0.05 acre of permanent wetland impacts (conversion to PEM).
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way crossing of a PFO Wetland (WD4) with 0.02 acre of permanent wetland impacts (conversion to PEM).
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to a UNT Powers Run (SC21) (CWF) having 145 linear feet of temporary stream impacts and 19,035 square feet of temporary floodway impact.
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to a UNT Powers Run (SC23) (CWF) having 95 linear feet of temporary stream impacts and 7,404 square feet of temporary floodway impact.
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to a UNT Powers Run (SC24) (CWF) having 96 linear feet of temporary stream impacts and 4,327 square feet of temporary floodway impact.
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing of a PEM Wetland (WA107) with 0.03 acre of temporary wetland impacts.
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing of a PEM Wetland (WA44-B) with 0.05 acre of temporary wetland impacts.
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to a UNT Powers Run (SB19) (CWF) having 88 linear feet of temporary stream impacts and 8,256 square feet of temporary floodway impact.
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way crossing a PEM Wetland (WA44-A) with 0.002 acre of temporary wetland impacts.
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to a UNT Powers Run (SA18A) (CWF) having 70 linear feet of temporary stream impacts and 8,546 square feet of temporary floodway impact.
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way crossing a PEM Wetland (WA43) with 0.004 acre of temporary wetland impacts.
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing of a PEM Wetland (WA41) with 0.007 acre of temporary wetland impacts.
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to a UNT Powers Run (SB13) (CWF) having 91 linear feet of temporary stream impacts and 9,026 square feet of temporary floodway impact.
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way crossing to a UNT Powers Run (SB12) (CWF) having

87 linear feet of temporary stream impacts and 10,984 square feet of temporary floodway impact.
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way crossing of a PEM Wetland (WA40) with 0.03 acre of temporary wetland impacts.
Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to a UNT Powers Run (SB11) (CWF) having 21 linear feet of temporary stream impacts and 11,911 square feet of temporary floodway impact.

## Latitude/Longitude

### 41.510471 N <br> 78.567200 W

41.510365 N
78.567307 W
41.510205 N
78.567335 W
41.499577 N
78.576384 W
41.495779 N
78.587201 W
41.495778 N 78.587352 W
41.496090 N
78.587721 W
41.487994 N
78.602747 W
41.487971 N
78.602884W
41.487873 N
78.602966 W
41.487704 N
78.603679W
41.487764 N
78.603801W
41.486291 N
78.607316W
41.486144 N
78.607707 W
41.486028 N
78.607909W
41.485965 N
78.607877 W
41.484769 N
78.608675W

| Impact No. | Description of Impact | Latitude / Longitude |
| :---: | :---: | :---: |
| 24 | Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing of a PFO Wetland (WB13) with 0.38 acre of permanent wetland impacts (conversion to PEM). | $\begin{aligned} & 41.484304 \mathrm{~N} \\ & 78.608560 \mathrm{~W} \end{aligned}$ |
| 25 | Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to Powers Run (SB10) (CWF) having 87 linear feet of temporary stream impacts. | $\begin{aligned} & 41.484265 \mathrm{~N} \\ & 78.608553 \mathrm{~W} \end{aligned}$ |
| 26 | Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to a UNT Powers Run (SA22) (CWF) having 85 linear feet of temporary stream impacts and 8,503 square feet of temporary floodway impact. | $\begin{aligned} & 41.477520 \mathrm{~N} \\ & 78.611608 \mathrm{~W} \end{aligned}$ |
| 27 | Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to a UNT Powers Run (SB8) (CWF) having 96 linear feet of temporary stream impacts and 9,592 square feet of temporary floodway impact. | $\begin{aligned} & \text { 41.469413 N } \\ & 78.616532 \mathrm{~W} \end{aligned}$ |
| 28 | Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to a UNT Powers Run <br> (SB3) (CWF) having 85 linear feet of temporary stream impacts and 8,591 square feet of temporary floodway impact. | $\begin{aligned} & 41.468632 \mathrm{~N} \\ & 78.616610 \mathrm{~W} \end{aligned}$ |
| 29 | Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to a UNT Powers Run (SB6) (CWF) having 92 linear feet of temporary stream impacts and 7,459 square feet of temporary floodway impact. | $\begin{aligned} & 41.468327 \mathrm{~N} \\ & 78.616669 \mathrm{~W} \end{aligned}$ |
| 30 | Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to a UNT Powers Run (SB7) (CWF) having 140 linear feet of temporary stream impacts and 8,324 square feet of temporary floodway impact. | $\begin{aligned} & 41.468069 \mathrm{~N} \\ & 78.616807 \mathrm{~W} \end{aligned}$ |
| 31 | Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing to a UNT Powers Run (SB2) (CWF) having 102 linear feet of temporary stream impacts and 9,007 square feet of temporary floodway impact. | $\begin{aligned} & 41.467817 \mathrm{~N} \\ & 78.617075 \mathrm{~W} \end{aligned}$ |
| 32 | Two (2) $12^{\prime \prime}$ and one (1) $24^{\prime \prime}$ gathering line and one (1) $12^{\prime \prime}$ waterline with associated right-of-way and a temporary road crossing of a PFO Wetland (WA48) with 0.42 acre of permanent wetland impacts (conversion to PEM). | $\begin{aligned} & 41.434800 \mathrm{~N} \\ & 78.681701 \mathrm{~W} \end{aligned}$ |
| 33 | Mitigation for permanent conversion of PFO to PEM Wetlands. Temporary impact of 0.02 to PEM Wetland (NFG1W). | $\begin{aligned} & 41.607136 \mathrm{~N} \\ & 78.470526 \mathrm{~W} \end{aligned}$ |

E10-08-013, Stonehenge Appalachia, 11400 Westmoor Circle, Suite 200A, Westminster, CO 80021. Baird to Manuel Pipeline, in Concord Township, Butler County, ACOE Pittsburgh District. The proposed project starts at the Baird Well Pad Hillards, PA Quadrangle N : $41^{\circ}, 1^{\prime}, 6.27^{\prime \prime} ; \mathrm{W}:-79^{\circ}, 50^{\prime}, 52.57^{\prime \prime}$ and ends at Manuel Well Pad Hillards, PA Quadrangle $\mathrm{N}: ~ 41^{\circ}, 0^{\prime}, 11^{\prime \prime} ; \mathrm{W}:-79^{\circ}$, $52^{\prime}, 6^{\prime \prime}$.

The project consists of the installation and maintenance of approximately 10,230 feet long, 16 -inch pipeline and appurtenant structures. The proposed project impacts in Butler County include a total of 300 linear feet of temporary impacts to South Branch Slippery Rock Creek and UNTs' to South Branch Slippery Rock Creek, a total of 32.69 linear feet of permanent impacts to South Branch Slippery Rock Creek and UNTs' to South Branch Slippery Rock Creek. 0.34 acre of temporary impacts to Palustrine Forested and Palustrine Emergent wetland(s) and 0.15 acre of permanent impacts to Palustrine Forested and Palustrine Emergent wetland(s). To compensate for the proposed permanent project impacts in Butler County, the applicant is proposing the restoration of .14 acre of Palustrine Forested Wetland impacted by the project.

For more detailed information regarding the Butler County Chapter 105 permit application related to this
proposed project, which is available in the DEP regional office, please contact Craig Lobins at 814.332.6855 to request a file review.

## WATER OBSTRUCTION \& ENCROACHMENTS

Northeast Region: Waterways and Wetlands Program, 2 Public Square, Wilkes-Barre, PA 18701-1915, Joseph J. Buczynski, P.E., Program Manager, 570-826-2511.

E40-769, Transcontinental Gas Pipe Line Company, LLC, 2800 Post Oak Blvd, Level 6, Houston, TX 77056, Atlantic Sunrise Pipeline Project, in Dallas Township, Fairmount Township, Ross Township, Lake Township, Lehman Township and Harvey's Lake Borough, Luzerne County, ACOE Baltimore District. The proposed project starts approximately 0.30 mile south of State Route 0118 and Luzerne/Wyoming County Line (Center Moreland, PA Quadrangle N: $41^{\circ} 23^{\prime} 40.82^{\prime \prime} ; \mathrm{W}$ : $75^{\circ} 57^{\prime} 58.26^{\prime \prime}$ ) and ends approximately 0.10 mile east of Plattsburg Road on the Luzerne/Columbia County Line (Red Rock, PA Quadrangle N: $41^{\circ} 17^{\prime} 02.69^{\prime \prime}$; W: $76^{\circ} 18^{\prime}$ 47.97").

To construct, operate and maintain approximately 22.2 miles of 30 -inch diameter pipeline and appurtenant structures associated with the Luzerne County portion of the Atlantic Sunrise Pipeline Project Central Penn Line North. The proposed project impacts in Luzerne County include a total of 4,643 linear feet of temporary stream
impacts, a total of 401 linear feet of permanent stream impacts, 9.29 acres of temporary floodway impacts, 0.69 acre of permanent floodway impacts, 0.10 acre of temporary lacustrine impacts, 0.003 acre of permanent lacustrine impacts, 9.84 acres of temporary impacts to Palustrine Emergent (PEM), Palustrine Forested (PFO) and Palustrine Scrub-Shrub (PSS) wetlands, and 1.89 acre of permanent impacts to PEM, PFO and PSS wetlands. Specific impacts are shown in Appendix 1—Project Impacts.
The permittee is required to compensate for the proposed project impacts in Luzerne County by providing 8.7 acres of successful compensatory wetland mitigation through a combination of wetland creation and wetland enhancement located at the Briar Creek Mitigation Site along 997 Fowlersville Road (Mifflinville, PA Quadrangle N: $41^{\circ} 3^{\prime} 20.44^{\prime \prime}$; W: $-76^{\circ} 20^{\prime} 4.68^{\prime \prime}$ ) in North Centre Township, Columbia County. The proposed impacts for compensatory wetland mitigation at Briar Creek Mitigation Site include a total of 5,413 linear feet of temporary stream impact to an UNT to West Branch Briar Creek (TSF, MF) and 16.96 acres of PEM wetland.

The proposed project impacts in this permit application are associated with a proposed transmission pipeline project extending approximately 198.7 miles in Pennsylvania between Lenox Township, Susquehanna County, PA and Drumore Township, Lancaster County, PA.

Any person aggrieved by this action may file a petition for review pursuant to Section 19(d) of the Federal Natural Gas Act, 15 U.S.C.A. § $717 \mathrm{r}(\mathrm{d})$, with the Office of the Clerk, United States Court of Appeals for the Third Circuit, 21400 U.S. Courthouse, 601 Market Street, Philadelphia, PA 19106-1790 within 30 days of publication of this notice, or within 30 days of receipt of written notice of this action, whichever occurs first. Important legal rights are at stake, so you should show this document to a lawyer at once.
APPENDIX 1—Project Impacts


| Identification |  |  |  | Location |  |  |  | Stream Impacts |  |  |  | Floodway Impacts |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 氠 | $\begin{aligned} & \text { ※ } \\ & \text { z } \\ & \text { z } \\ & \text { Ẽ } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  |  |  |  |  | $\begin{aligned} & \text { Temporary Crossing } \\ & \text { Length (feet) } \end{aligned}$ |  |  |  |  |  | $$ | $\text { Crossing Method }{ }^{c}$ |  |
| $\underset{4}{1,2,3}$ | $\begin{gathered} \text { WW-T02- } \\ 15016 \end{gathered}$ | Marsh Run | CWF, MF | 41.28429 | -76.31138 | Fairmount | Red Rock | 105.23 | 8.69 | 0.0939 | 0.0080 | 0.0188 | 0.0004 | Gas | I | WT |
| $\begin{aligned} & 11,12 \\ & 13,14 \end{aligned}$ | $\begin{gathered} \text { WW-T02- } \\ 15017 \end{gathered}$ | Maple Run | $\begin{gathered} \hline \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.28609 | -76.29438 | Fairmount | Red Rock | 210.50 | 6.12 | 0.0490 | 0.0014 | 0.4061 | 0.0142 | Gas | I | CA |
| 15, 16 | $\begin{aligned} & \text { WW-T02- } \\ & \text { 15017A } \end{aligned}$ | UNT to Maple Run | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.28626 | -76.29408 | Fairmount | Red Rock | 85.86 | 9.49 | 0.0131 | 0.0015 | 0.0000 | 0.0000 | Gas | I | CA |
| $\begin{aligned} & 28,29, \\ & 30,31 \end{aligned}$ | $\begin{gathered} \text { WW-T02- } \\ 15018 \end{gathered}$ | Kitchen Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.29065 | -76.27004 | Fairmount | Red Rock | 93.04 | 5.34 | 0.0943 | 0.0060 | 0.0219 | 0.0006 | Gas | $\mathrm{II}^{\mathrm{e}}$ | CA |
| $\begin{aligned} & 32,33, \\ & 34,35 \end{aligned}$ | $\begin{gathered} \text { WW-T24- } \\ 15001 \end{gathered}$ | Crooked Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.29123 | -76.26781 | Fairmount | Red Rock | 75.24 | 5.01 | 0.0235 | 0.0014 | 0.0590 | 0.0056 | Gas | $\mathrm{II}^{\text {e }}$ | CA |
| $\begin{aligned} & 40,41, \\ & 42,43 \end{aligned}$ | $\begin{gathered} \text { WW-T02- } \\ 16001 \end{gathered}$ | UNT to Phillips Creek | $\begin{gathered} \hline \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.29778 | -76.23757 | Fairmount | Sweet Valley | 112.67 | 5.44 | 0.0279 | 0.0013 | 0.2795 | 0.0155 | Gas | I | CA |
| $\begin{aligned} & 46,47, \\ & 48,49 \end{aligned}$ | $\begin{gathered} \text { WW-T02- } \\ 16002 \end{gathered}$ | Phillips Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.29814 | -76.23494 | Fairmount | Sweet Valley | 98.98 | 6.98 | 0.0653 | 0.0054 | 0.1275 | 0.0057 | Gas | I | CA |
| $\begin{aligned} & 52,53, \\ & 54,55 \end{aligned}$ | $\begin{gathered} \text { WW-T05- } \\ 16003 \end{gathered}$ | Lick Branch | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.30103 | -76.21739 | Fairmount | Sweet Valley | 73.69 | 5.23 | 0.0194 | 0.0014 | 0.1599 | 0.0187 | Gas | I | CA |
| 57, 58 | $\begin{gathered} \text { WW-T11- } \\ \text { 16001A } \end{gathered}$ | UNT to <br> Arnold <br> Creek | $\begin{gathered} \hline \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.30355 | -76.20415 | Ross | Sweet Valley | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0450 | 0.0096 | Gas | IV | CA |
| 65, 66 | $\begin{aligned} & \text { WW-T11- } \\ & \text { 16001D } \end{aligned}$ | UNT to <br> Arnold <br> Creek | $\begin{gathered} \hline \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.30406 | -76.19939 | Ross | Sweet Valley | 84.59 | 5.21 | 0.0253 | 0.0012 | 0.0000 | 0.0000 | Gas | I | CA |
| $\begin{aligned} & 67,68, \\ & 69,70 \end{aligned}$ | $\begin{gathered} \text { WW-T11- } \\ 16001 \end{gathered}$ | Arnold Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.30406 | -76.19877 | Ross | Sweet Valley | 75.07 | 5.00 | 0.0447 | 0.0031 | 0.3502 | 0.0223 | Gas | I | CA |
| 71, 72 | $\begin{aligned} & \text { WW-T11- } \\ & \text { 16001B } \end{aligned}$ | UNT to <br> Arnold <br> Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.30418 | -76.19873 | Ross | Sweet Valley | 17.58 | 0.00 | 0.0001 | 0.0000 | 0.0925 | 0.0000 | Gas | V | CA |
| $\begin{aligned} & 79,80, \\ & 81,82 \end{aligned}$ | $\begin{gathered} \text { WW-T13- } \\ 16002 \end{gathered}$ | UNT to Shingle Run | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.30506 | -76.18719 | Ross | Sweet Valley | 92.17 | 5.43 | 0.0174 | 0.0010 | 0.2222 | 0.0128 | Gas | I | CA |


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|  | （sวлэ）ралн ŁวрдшІ К．ıр．ıодида | $\begin{gathered} \text { O} \\ \text { 人̀ } \\ 0 \\ \hline 0 \end{gathered}$ | $\begin{aligned} & \text { ö } \\ & \text { ó } \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & { }_{3}^{0} \\ & 0 . \end{aligned}$ |  | $\begin{aligned} & Z_{4} \\ & \underset{C}{0} \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { oin } \\ & \text { Oio } \\ & 0 . \end{aligned}$ | $\begin{aligned} & 0 \\ & \underset{0}{2} \\ & 0 . \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0.8 \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & 0.8 \\ & 0.8 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline 7 \\ \text { 강 } \\ 0 \\ 0 \end{array}$ | $\begin{gathered} \text { 殠 } \\ 0 \\ \hline \end{gathered}$ |
|  | （дәә）чұяиวт <br>  | $\underset{\substack{0}}{\infty}$ | $\begin{aligned} & \underset{\sim}{\infty} \\ & \end{aligned}$ | Hi | $\underset{\sim}{\sim}$ | $\underset{\sim}{\underset{\sim}{2}}$ |  | $\begin{array}{\|l\|l\|l\|l\|l\|l\|} \hline 8 \\ \hline \end{array}$ | $\circ$ | $\stackrel{\circ}{\circ}$ | $\stackrel{\rightharpoonup}{\circ}$ | $\stackrel{\stackrel{\rightharpoonup}{7}}{\stackrel{\rightharpoonup}{6}}$ | $\underset{\text { in }}{\substack{\text { No }}}$ |
|  | （дәә）чұяиวт <br>  | $\left\lvert\, \begin{aligned} & \underline{6} \\ & \stackrel{\infty}{\infty} \end{aligned}\right.$ | $\begin{aligned} & \text { H } \\ & \text { id } \\ & \hline 0 \end{aligned}$ |  | $\begin{array}{\|l} \mathrm{O} \\ \underset{\sim}{0} \\ \hline \end{array}$ | $\begin{array}{\|l\|l} \circ \\ 0 \\ 8 \\ 8 \end{array}$ | $\begin{aligned} & \vec{O} \\ & \dot{F} \end{aligned}$ | $\begin{array}{\|c} \infty \\ \underset{\sim}{\infty} \\ \underset{\sim}{0} \end{array}$ | $\circ$ | $\circ$ | $\begin{gathered} 9 \\ \underset{\sim}{9} \\ \underset{\sim}{2} \end{gathered}$ | $\begin{aligned} & \underset{\sim}{9} \\ & \infty \\ & \infty \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \hline \end{aligned}$ |
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|  | （dịysumoL） <br>  |  | $$ | $\begin{aligned} & \text { un } \\ & \substack{u_{4} \\ \hline} \end{aligned}$ | $$ |  |  |  | $$ |  | $\begin{array}{\|l\|l} \hline 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $$ |  |
|  | эрпұ？®иот $^{\text {¢ }}$ | $\begin{aligned} & 00 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 10 \end{aligned}$ |  |  | $\begin{aligned} & \text { O} \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \end{aligned}$ |  | $\begin{aligned} & \ddot{0} \\ & \stackrel{0}{0} \\ & \stackrel{1}{0} \\ & 0 \\ & 0 \end{aligned}$ | $$ |  | $\begin{array}{\|l} \hline 8 \\ 0 \\ 7 \\ 7 \\ 0 \\ 1 \end{array}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{0} \\ & \stackrel{0}{7} \\ & \stackrel{0}{1} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \\ & 0 \\ & \end{aligned}$ | $\begin{aligned} & 9 \\ & \stackrel{0}{0} \\ & \stackrel{0}{0} \\ & \stackrel{0}{0} \end{aligned}$ |
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|  | （sәитр）ралн ъэрдші Кириодшдц | $$ | $\begin{aligned} & \text { N } \\ & \underset{\sim}{0} \\ & \vdots \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { 두 } \\ & \text { ô } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & \text { f } \\ & 0 \\ & \hline \end{aligned}$ |  | $\begin{aligned} & 10 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \mathfrak{n} \\ & \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \stackrel{1}{\circ} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
|  |  <br> sиияsоид ұиәиршидд | $$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \infty \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \hline 0 \end{aligned}$ |  | $\begin{aligned} & 9 \\ & 1 \\ & 10 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|l\|l\|} \hline 1 \\ 20 \\ 10 \end{array}$ | $\begin{aligned} & 10 \\ & 0 \\ & 0 \end{aligned}$ | $\stackrel{\stackrel{L}{4}}{\stackrel{1}{1}}$ |
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|  | （sวuр） ъэрдшı К．ıрıодшวц | $\begin{array}{\|c} \infty \\ \underset{\sim}{\circ} \\ \underset{0}{\circ} \end{array}$ |  | $\begin{aligned} & \hline 8 \\ & 8 \\ & \hline 8 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & 8 \\ & \hline 8 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { O} \\ & \underset{O}{O} \\ & 0 \end{aligned}$ | $\begin{array}{\|c} \hline 0 \\ 0 \\ \vdots \\ 0 \\ \hline 0 \end{array}$ | $\begin{array}{\|l\|l} \hline \infty \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{array}{\|l\|l} \hline \infty \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{aligned} & \text { 巽 } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{N} \\ & \stackrel{N}{0} \end{aligned}$ |
|  |  <br>  | $\begin{aligned} & \text { N} \\ & \text { O} \\ & \text { O } \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{8} \\ & 0.0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { I } \\ & \text { O} \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \mathrm{N} \\ & \stackrel{8}{8} \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { N} \\ & 0.0 \\ & 0 . \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ |  |
|  | （saıวn）ฉวıи <br>  | $\begin{array}{\|l\|l} \text { 落 } \\ \text { O} \\ 0 \end{array}$ | $\begin{aligned} & \text { n } \\ & \text { n } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { r} \\ & 0 \\ & 0 . \\ & 0 . \end{aligned}$ | $\begin{array}{\|l\|l} \infty \\ \stackrel{\infty}{0} \\ 0 \\ 0 \end{array}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{0} \\ & 0 . \\ & 0 . \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \mathrm{O} \\ & \hline \end{aligned}$ |  | $\begin{array}{\|c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \\ & \hline \end{aligned}$ | $\begin{aligned} & \stackrel{\sim}{7} \\ & \underset{\sim}{0} \\ & 0 \end{aligned}$ |
|  |  su！̣ssouд ұиаиршиад | $\underset{1}{8}$ | $$ | $\begin{aligned} & \llcorner \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ |  | $18$ | $\stackrel{\circ}{\circ}$ | $\stackrel{\circ}{\circ}$ | $\begin{aligned} & \stackrel{\wedge}{7} \\ & \underset{~}{2} \end{aligned}$ | $\stackrel{\circ}{\circ}$ | $\begin{aligned} & 20 \\ & 0 \\ & 0 \\ & \hline 1 \end{aligned}$ |
|  | （ววว）บวรันวт <br>  | $\begin{aligned} & \text { Lị } \\ & \stackrel{y}{\circ} \\ & \stackrel{0}{2} \end{aligned}$ |  | $\begin{aligned} & 9 \\ & \underset{0}{8} \\ & 0 \end{aligned}$ | $\begin{array}{\|c} - \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{gathered} \text { O} \\ \underset{\circ}{\circ} \end{gathered}$ | $\stackrel{8}{0}$ |  | $\begin{array}{\|c} \hline \text { N } \\ \text { O } \\ \text { O} \end{array}$ | $\stackrel{8}{0}$ | $\begin{array}{\|l\|l} \hline 0 \\ \infty \\ \infty \\ 0 \end{array}$ |
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|  | （sวuวn） <br> ээрдшы ұидиршидд | $\begin{aligned} & \infty \\ & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \text { N } \\ & \text { N. } \\ & 0 . \end{aligned}$ | 응 | $\begin{aligned} & 0 \\ & \text { O } \\ & \text { N } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & 0 \\ & \text { O } \\ & \text { N } \\ & 0 \\ & 0 \end{aligned}$ | 8 8 0 0 | $\begin{aligned} & 0 \\ & \text { N } \\ & \text { o. } \\ & 0 . \end{aligned}$ | $\begin{aligned} & 0 \\ & \vdots \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \\ & 0 \\ & 0 . \end{aligned}$ |
|  | （sวıวр） <br>  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & -1 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 20 \\ & 0 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { r } \\ & \text { on } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{2} \\ & \underset{0}{2} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & 0 . \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 10 \\ & N \\ & \\ & \hline 0 \end{aligned}$ |
|  | （sว．ıр）ралн ээрдшш ұиәиршиад | $\begin{array}{\|l\|} \hline \text { H } \\ \hline 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & \hline 0 \\ & 0 \\ & \hline \end{aligned}$ | 8 8 0 0 | $\begin{aligned} & \hline \ldots \\ & \text { 丽 } \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { O } \\ & \text { O} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \mathrm{N} \\ & \stackrel{3}{O} \\ & 0 \\ & \hline \end{aligned}$ |
|  | （sәихр）ралн ъэрдші Кириодшәц | $\begin{aligned} & \text { H } \\ & \stackrel{y}{0} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \hat{O} \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 ొ \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { な. } \\ & \text { N } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \text { D } \\ & \text { N } \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { O. } \\ & \text { Nे } \\ & \text { O. } \end{aligned}$ |  | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  |  sụ̣souд ұиәиршидд | $\stackrel{\mathrm{O}}{\mathrm{O}}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{\infty} \\ & 0 \\ & 0 \end{aligned}$ | O. | $\begin{aligned} & -1 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{1} \\ & 0 \\ & \hline \end{aligned}$ | $\bigcirc$ | $\begin{aligned} & 9 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \mathbf{O} \end{aligned}$ | $\begin{aligned} & 0 \\ & 1 \\ & 0 \\ & \mathbf{O} \end{aligned}$ |
|  | （ұәдд）чұяиวт <br>  | $\begin{gathered} \mathrm{O} \\ \mathrm{O} \\ \mathrm{i} \end{gathered}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\left\lvert\, \begin{aligned} & \text { H } \\ & \infty \\ & \infty \\ & \infty \end{aligned}\right.$ | $\begin{aligned} & \stackrel{\ominus}{\mathrm{N}} \\ & \underset{\text { N}}{ } \end{aligned}$ | $\begin{aligned} & \underset{\text { I }}{\text { I }} \end{aligned}$ | O. | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \underset{\sim}{\underset{\sim}{2}} \\ & \underset{\sim}{7} \end{aligned}$ | $\begin{aligned} & \pm \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | $\stackrel{\infty}{\underset{\sim}{\sim}}$ |
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|  | арпұ？®иот |  | $\begin{aligned} & \hline \stackrel{\rightharpoonup}{2} \\ & \stackrel{\rightharpoonup}{o} \\ & 0 \\ & \vdots \\ & \vdots \end{aligned}$ | $\begin{array}{\|l} \hline 0 \\ \text { 右 } \\ 0 \\ 0 \\ \vdots \\ 1 \\ \hline \end{array}$ | $\begin{aligned} & \text { N } \\ & \stackrel{0}{0} \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 1 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline \text { H } \\ \text { O} \\ 0 \\ 0 \\ 0 \\ 1 \\ \hline \end{array}$ | $\begin{array}{\|c} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{array}$ | $\begin{aligned} & -7 \\ & 0 \\ & \vdots \\ & 0 \\ & 0 \\ & 0 \\ & 1 \end{aligned}$ | $\begin{array}{\|c} \hline \underset{\sim}{N} \\ \underset{\sim}{2} \\ 0 \\ \dot{1} \\ \hline \end{array}$ | $\begin{aligned} & 0 \\ & 0 \\ & \vdots \\ & \vdots \\ & 0 \\ & \dot{0} \\ & \hline 1 \end{aligned}$ | $\begin{aligned} & \mathrm{N} \\ & \stackrel{1}{0} \\ & 1 \\ & 0 \\ & \vdots \\ & 1 \end{aligned}$ |
|  | әрпұ？ұрт | $\begin{aligned} & 0 \\ & \underset{2}{2} \\ & \underset{\sim}{0} \\ & \underset{\sim}{7} \end{aligned}$ |  |  |  | 0 20 2 0 7 7 | $\begin{aligned} & -0 \\ & 0 \\ & 0 \\ & 0 \\ & \\ & \underset{子}{7} \end{aligned}$ |  |  | $\begin{aligned} & 9 \\ & 0 \\ & 20 \\ & 20 \\ & 0 \\ & 7 \\ & \hline \end{aligned}$ | N N N N H |
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|  |  |  | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { No } \\ & 10 \\ & 21 \\ & 20 \\ & 3 \end{aligned}$ |  |  |  |  |  |  |  |  |
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|  | （sวaวp） <br>  | $\begin{aligned} & \infty \\ & \cdots \\ & \cdots \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \ddot{\circ} \\ & 0.8 \\ & 0.0 \end{aligned}$ | $\begin{aligned} & \text { N} \\ & \text { Non } \\ & \text { on } \end{aligned}$ | $\circ$ ® N N． | O8 | $\begin{gathered} \hat{0} \\ 0 \\ 0 \\ 0 \end{gathered}$ |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { Lo } \\ & 0 . \\ & 0 . \\ & 0 . \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
|  | （sалวр）раиУ ұэрдші ұиәишшıдд | $\begin{aligned} & 8 \\ & \hline 8.8 \\ & \hline 0.0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { od } \\ & \hline \mathbf{O} \\ & \hline \mathbf{0} \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0.0 \end{aligned}$ | $\begin{array}{\|c} \stackrel{\rightharpoonup}{\circ} \\ \text { O. } \\ \hline 0 . \end{array}$ | $\begin{aligned} & \text { थO } \\ & 0.8 \\ & 0 . \\ & \hline \end{aligned}$ | $$ | $\begin{aligned} & 8 \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ |
|  | （sวщр）ращУ <br>  | $\begin{aligned} & \text { Co } \\ & \text { O. } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0.0 \\ & \hline 0 . \end{aligned}$ | $\begin{aligned} & \text { Nog } \\ & \text { Noㅇ } \\ & 0 \end{aligned}$ | $\begin{gathered} \text { N} \\ \text { No } \\ \text { O } \\ \hline \end{gathered}$ | $\begin{gathered} \underset{N}{N} \\ \underset{\sim}{7} \end{gathered}$ | $\begin{aligned} & \text { à } \\ & \text { O. } \\ & \text { O. } \end{aligned}$ |  | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & 0 . \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & 0 . \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8.8 \\ & 0 . \\ & \hline \end{aligned}$ |
|  |  | $\stackrel{\circ}{\circ}$ | $\stackrel{\circ}{\circ}$ | $\begin{aligned} & 9 \\ & \stackrel{9}{0} \\ & 0 \end{aligned}$ |  | $\begin{array}{\|l} \underset{\sim}{9} \\ \underset{\sim}{2} \end{array}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|l\|l} \hline \underset{\text { din }}{ } \\ \hline \end{array}$ | $\bigcirc$ | $\stackrel{8}{0}$ | $\stackrel{\circ}{0}$ | $\bigcirc$ |
|  | （ұәдf）чұรиวт su！̣sou入 к．ıр．одшша L | $\begin{gathered} \stackrel{m}{7} \\ \stackrel{\rightharpoonup}{7} \end{gathered}$ | $\stackrel{8}{0}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & 0 \\ & \infty \end{aligned}$ | $\begin{array}{\|l} \hline 0 \\ \underset{\mathrm{i}}{2} \\ \mathrm{i} \end{array}$ |  | $\left\lvert\, \begin{aligned} & \infty \\ & \stackrel{\infty}{0} \\ & \stackrel{0}{0} \end{aligned}\right.$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | $\stackrel{\circ}{0}$ | $8$ | $8$ | $\bigcirc$ |
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|  | әрп7！ธัоо | $\begin{gathered} 20 \\ 0.0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{gathered}$ |  |  |  |  |  |  | $\begin{gathered} \infty \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{gathered}$ | $\begin{aligned} & \text { io } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 1 \end{aligned}$ |  |  |
|  | әрпұ？${ }^{\text {²p }}$ T |  | $\begin{aligned} & \overrightarrow{0} \\ & 0 \\ & 0 \\ & 0 \\ & \overrightarrow{7} \\ & \vec{y} \end{aligned}$ |  |  | $\begin{aligned} & \text { N } \\ & \text { on } \\ & 0 \\ & 0 \\ & \text { H. } \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \underset{\sim}{\circ} \\ & \underset{F}{2} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \underset{7}{2} \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \infty \\ & \infty \\ & 0 \\ & 0 \\ & \underset{子}{4} \end{aligned}$ |  | ¢ |
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| Identification |  |  |  | Location |  |  |  | Stream Impacts |  |  |  | Floodway Impacts |  | Crossing Information |  |  |
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|  |  | $\begin{aligned} & \text { き } \\ & \text { Z } \\ & \text { है } \\ & \text { E } \\ & 0 \\ & 0 \end{aligned}$ |  |  |  |  |  |  |  |  | $\begin{aligned} & \text { Permanent Impact } \\ & \text { Area (acres) } \end{aligned}$ |  |  |  | $\text { Crossing Method }{ }^{c}$ | च . U0 0 0 0 0 0 0 0 E. |
|  |  |  |  |  |  |  | Totals | 4643.36 | 400.72 | 1.6658 | 0.1429 | 9.2920 | 0.6911 |  |  |  |

[^4]APPENDIX 1—Project Impacts


| Identification |  | Location |  |  |  | Wetland Impacts |  |  |  |  |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | PFO | PSS | PEM | PFO | PSS | PEM |  |  |  |
| 5, 6 | W-T02-15017 | 41.28435 | -76.31096 | Fairmount | Red Rock | 0.0000 | 0.0000 | 0.1456 | 0.0000 | 0.0000 | 0.0104 | GAS | I | EV |
| $\begin{gathered} 7,8,9 \\ 10,17 \\ 18 \\ \hline \end{gathered}$ | W-T02-15019 | 41.28604 | -76.29527 | Fairmount | Red Rock | 0.2015 | 0.5479 | 0.6823 | 0.0401 | 0.0178 | 0.0733 | GAS | I | EV |
| 19, 20 | W-T02-15020C | 41.28669 | -76.28634 | Fairmount | Red Rock | 0.4409 | 0.0000 | 0.0000 | 0.3039 | 0.0000 | 0.0000 | GAS | I | Other |
| $\begin{aligned} & 21,22, \\ & 23,24 \end{aligned}$ | W-T02-15022 | 41.28938 | -76.27740 | Fairmount | Red Rock | 0.0618 | 0.0000 | 0.4176 | 0.0202 | 0.0000 | 0.0393 | GAS | I | Other |
| $\begin{gathered} 25,26, \\ 27 \end{gathered}$ | W-T02-15023 | 41.29006 | -76.27353 | Fairmount | Red Rock | 0.0086 | 0.0000 | 0.2425 | 0.0000 | 0.0000 | 0.0819 | GAS | II ${ }^{\text {d }}$ | Other |
| 36, 37 | W-T02-16001 | 41.29549 | -76.25150 | Fairmount | Red Rock | 0.0000 | 0.0000 | 0.1088 | 0.0000 | 0.0000 | 0.0003 | GAS | I | EV |
| 38, 39 | W-T02-16003A / W-T02-16003A-1 | 41.29547 | -76.24357 | Fairmount | Sweet Valley | 0.0000 | 0.0000 | 0.3181 | 0.0000 | 0.0000 | 0.1405 | GAS | I | EV |
| 44, 45 | W-T02-16002 | 41.29770 | -76.23714 | Fairmount | Sweet Valley | 0.0000 | 0.0000 | 0.0282 | 0.0000 | 0.0000 | 0.0026 | GAS | I | EV |
| 50, 51 | W-T05-16004 | 41.30088 | -76.21806 | Fairmount | Sweet Valley | 0.0000 | 0.0000 | 0.6284 | 0.0000 | 0.0000 | 0.0210 | GAS | I | EV |
| 56 | W-T05-16005 | 41.30269 | -76.20816 | Ross | Sweet Valley | 0.0000 | 0.0000 | 0.0807 | 0.0000 | 0.0000 | 0.0000 | GAS | IV | Other |
| $\begin{aligned} & \hline 59,60, \\ & 61,62, \\ & 63,64 \end{aligned}$ | W-T11-16001 | 41.30350 | -76.20413 | Ross | Sweet Valley | 0.0528 | 0.0783 | 0.1141 | 0.0084 | 0.0048 | 0.0119 | GAS | I | Other |
| 73, 74 | W-T11-16002A / W-T11-16002A-1 W-T11-16002A-2 W-T11-16002A-3 | 41.30395 | -76.19907 | Ross | Sweet Valley | 0.0000 | 0.0000 | 0.0532 | 0.0000 | 0.0000 | 0.0001 | GAS | I | EV |


|  |  ридрдам дұдтя |  | $$ | 分 | 分 |  | $\begin{aligned} & \tilde{む} \\ & \ddagger \end{aligned}$ | $\begin{gathered} \tilde{む} \\ \ddagger \\ 0 \end{gathered}$ | 分 | 分 | $\begin{array}{\|c} \tilde{む} \\ \overrightarrow{0} \end{array}$ | 旺 | 是 | 分 | 分 | 分 | 旺 |
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|  |  |  | $\square$ | $\square$ | $\square$ |  | $\lambda$ | Z | $\square$ | $\square$ | 2 | $\square$ | $\longmapsto$ | 河 | $\square$ | $\geq$ | $\square$ |
|  |  |  | 氐 | 俞 | 令 |  | 令 | 氐 | 令 | 氐 | 令 | 氐 | 令 | 氐 | 偷 | $\begin{aligned} & \text { 令 } \\ & \hline \end{aligned}$ | 氐 |
|  | （sวиэд）ралV ээрдшы ұиаиршиад | $\begin{aligned} & \underset{\sim}{x} \\ & \mathbb{N} \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 . \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { O } \\ & 0 . \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 . \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \hline 8 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{N} \\ & \stackrel{\rightharpoonup}{\circ} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & \text { a } \\ & \text { o } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { II } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline \text { 아 } \\ & \text { O } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  |  | $\begin{aligned} & 5 \\ & \sqrt{2} \\ & Q_{1} \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & 8 \\ & 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ |
|  |  | $\begin{aligned} & 0 \\ & 2 \\ & 2 \\ & 2 \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & 8 \\ & \hline 0 \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 . \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0.0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ |
|  | （sว．ит）ралн ъэрдши К．ı．ıодшәц | $$ | $\begin{aligned} & + \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $$ |  | $\begin{gathered} 0 \\ \stackrel{0}{2} \\ \underset{\sim}{2} \\ \hline \end{gathered}$ | $\begin{aligned} & \text { no } \\ & \text { on } \\ & 0 . \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { ஜ̈ } \\ & \text { ¢ } \\ & \text { N} \\ & 0 \end{aligned}$ | $\begin{aligned} & 12 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{gathered} 0 \\ \infty \\ \vdots \\ \hline 0 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { L0} \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \stackrel{r}{4} \\ & 0 \\ & \vdots \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { o } \\ & \text { O. } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & -\infty \\ & \stackrel{\infty}{0} \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
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|  |  | $\begin{aligned} & 0 \\ & 0 \\ & 2 \\ & 2 \end{aligned}$ | $\begin{aligned} & 4 \\ & \stackrel{\rightharpoonup}{N} \\ & \underset{\sim}{0} \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline \% \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | O | ¢ |
|  | วฺงฉиррпб |  |  |  |  |  | $\begin{array}{\|l\|} \stackrel{\rightharpoonup}{0} \\ \stackrel{\rightharpoonup}{\pi} \end{array}$ |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | $\begin{aligned} & u_{2}^{2} \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{gathered} u_{2}^{u} \\ 0 \\ 0 \\ 0 \end{gathered}$ |  | $\begin{aligned} & u_{2} \\ & u_{0}^{0} \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { w } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{gathered} \text { w } \\ 0 \\ 0 \\ 0 \\ \hline 4 \end{gathered}$ | $\begin{aligned} & u_{2}^{2} \\ & \mathbf{U}_{4}^{2} \end{aligned}$ |  | $\begin{aligned} & \text { W } \\ & 0 \\ & 0 \\ & 0 \\ & \hline 2 \end{aligned}$ | $\begin{aligned} & \text { y } \\ & \text { 蔄 } \end{aligned}$ | $\begin{aligned} & \text { y } \\ & \text { y } \\ & \text { n } \end{aligned}$ | $\begin{aligned} & \text { g } \\ & \text { 水 } \end{aligned}$ | $\begin{aligned} & \text { y } \\ & \text { 领 } \end{aligned}$ | $\begin{aligned} & \text { 0 } \\ & \text { y } \\ & \text { n } \end{aligned}$ |
|  | арпұ！sиот |  |  | $\begin{aligned} & 10 \\ & \stackrel{10}{0} \\ & 1 \\ & 0 \\ & 0 \\ & 1 \end{aligned}$ | $\begin{aligned} & \text { og } \\ & \text { N } \\ & 0 \\ & \vdots \\ & \underset{1}{0} \end{aligned}$ |  | $\begin{aligned} & \text { N } \\ & \text { N } \\ & 0 \\ & 0 \\ & 0 \\ & 10 \\ & 1 \end{aligned}$ | $\begin{aligned} & 4 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 1 \end{aligned}$ |  |  | $\begin{aligned} & 9 \\ & 7 \\ & 7 \\ & \underset{1}{2} \\ & 6 \end{aligned}$ |  | $\begin{aligned} & \text { N } \\ & \text { m } \\ & \underset{7}{1} \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { o} \\ & 0 \\ & \infty \\ & 0 \\ & 0 \\ & \vdots \\ & \vdots \\ & \hline 1 \end{aligned}$ |  | $\begin{aligned} & o \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 1 \end{aligned}$ | $\begin{aligned} & 0 \\ & \stackrel{0}{0} \\ & \stackrel{0}{0} \\ & \vdots \\ & \stackrel{0}{1} \end{aligned}$ |
|  | әрпұ？ұт |  |  |  | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \hat{N} \\ & 0 \\ & \underset{\text { H}}{1} \end{aligned}$ |  | $\begin{aligned} & 10 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \underset{子}{4} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 7 \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \stackrel{1}{0} \\ & 0 \\ & \underset{\sim}{7} \end{aligned}$ |  |  | $\begin{aligned} & \underset{\sim}{\underset{H}{1}} \\ & \underset{\sim}{\tilde{Z}} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \text { Y } \\ & \underset{\sim}{1} \\ & \underset{\sim}{\sim} \\ & \underset{H}{2} \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & \text { N} \\ & \underset{\sim}{7} \\ & \underset{子}{2} \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \underset{\sim}{2} \\ & \text { N} \\ & \underset{\sim}{3} \\ & \underset{子}{2} \end{aligned}$ | $\begin{aligned} & \text { od } \\ & \text { on } \\ & \text { on } \\ & \underset{子}{4} \end{aligned}$ |  |
|  |  |  |  | $\begin{aligned} & -2 \\ & 0 \\ & 0 \\ & 1 \\ & 0 \\ & 0 \\ & 1 \\ & 1 \\ & 3 \end{aligned}$ |  |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 1 \\ & 0 \\ & 0 \\ & 1 \\ & 1 \\ & 1 \end{aligned}$ | $\begin{aligned} & -2 \\ & 0 \\ & 0 \\ & 1 \\ & 10 \\ & 0 \\ & 1 \\ & 1 \\ & 3 \end{aligned}$ |  |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 1 \\ & 0 \\ & 0 \\ & 1 \\ & 1 \\ & 3 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & 0 \\ & 0 \\ & 0 \\ & \vdots \\ & 0 \\ & 0 \\ & 1 \\ & 3 \end{aligned}$ | $\begin{aligned} & -2 \\ & 0 \\ & 0 \\ & -1 \\ & 0 \\ & 0 \\ & 1 \\ & 3 \end{aligned}$ |  |  |  | 7 0 0 0 1 1 0 0 0 0 3 |
|  |  |  | $\underline{\underbrace{\circ}}$ | ＋ | がす |  | $0$ | $\bigcirc$ |  | $\begin{aligned} & 206 \\ & -17 \end{aligned}$ | $\underset{\sim}{\infty}$ |  | ت゙N |  |  | $\stackrel{10}{10}$ |  |


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|  |  |  | 荷 | 荷 | 恣 | $\underset{\substack { \text { n } \\ \begin{subarray}{c}{2 \\ \hline{ \text { n } \\ \begin{subarray} { c } { 2 \\ \hline } } \\ {\hline}\end{subarray}}{ }$ | 荷 | 令 | 荷 | 穼 | 荷 | 荷 |
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|  |  | $\left\|\begin{array}{l} y_{2} \\ V_{2} \end{array}\right\|$ | O． | $\circ$ <br> 8 <br> 0 <br> 0 | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \mathrm{O} \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { in } \\ & \text { on } \\ & 0 \\ & 0 \end{aligned}$ | $\circ$ <br> 0 <br> . <br> . | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \mathrm{O} \\ & \hline \end{aligned}$ | $\circ$ <br> 0 <br> 0 <br> . | $\begin{aligned} & \stackrel{8}{0} \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  |  | 足 | $\begin{aligned} & \hline 8 \\ & \hline 0.8 \\ & 0 . \\ & \hline 0 \end{aligned}$ | O | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & 8 \\ & 8 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & 8 \\ & 8 \\ & \hline 8 \end{aligned}$ |  | 8 <br> 8 <br> 0 | $\begin{aligned} & 9 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
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|  |  | $\left\|\begin{array}{l} y_{2} \\ 2_{2} \end{array}\right\|$ | $\begin{aligned} & 8 \\ & 8 \\ & \hline 8 \\ & \hline \end{aligned}$ | 응 | O. O. | $\begin{aligned} & 8 \\ & \hline 8.8 \\ & \hline 0 . \end{aligned}$ | $\begin{aligned} & \text { 당 } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \\ & \hline \end{aligned}$ |  |
|  |  | 足 | $\begin{aligned} & 20 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & \stackrel{0}{0} \\ & \text { O } \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline \mathrm{O} \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & 8 \\ & 8 \\ & \hline \end{aligned}$ | O | $\begin{aligned} & \mathrm{O} \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline \infty \\ & \underset{\sim}{\infty} \\ & \underset{0}{2} \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|l} \hline \text { N } \\ \text { Nón } \end{array}$ |
|  | э๐ธงриртп¢ |  |  |  |  |  |  |  |  |  |  |  |
|  | $\begin{aligned} & (\text { (d!ysumoL) } \\ & \text { אt?ipd???unun } \end{aligned}$ |  | $$ |  |  | $\begin{aligned} & \stackrel{\text { g }}{\text { In }} \\ & \text { did } \end{aligned}$ |  |  |  |  |  |  |
|  | грпи！$^{\text {¢ }}$ ¢оот |  |  | $\begin{aligned} & 1 \\ & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { op } \\ & \text { 0 } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  | $\begin{aligned} & \text { Oig } \\ & \text { a } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|l} \hline \stackrel{i}{0} \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{array}{\|l} \hline \ddot{\sim} \\ \stackrel{0}{8} \\ 0 \\ 0 \\ \hline 1 \end{array}$ | $\begin{array}{\|l} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ |
|  |  |  |  | $\begin{aligned} & \text { on } \\ & \stackrel{0}{4} \\ & 0 \\ & \underset{\sim}{4} \end{aligned}$ |  | $\begin{aligned} & \infty \\ & \underset{N}{N} \\ & \underset{\sim}{0} \\ & \underset{子}{4} \end{aligned}$ |  |  |  | $\begin{aligned} & \infty \\ & \stackrel{\infty}{0} \\ & \underset{\sim}{0} \\ & \underset{\sim}{\sim} \end{aligned}$ |  |  |
|  |  |  |  |  |  |  | $\begin{aligned} & \text { B } \\ & 0 \\ & \vdots \\ & \vdots \\ & 0 \\ & 0 \\ & A \end{aligned}$ |  | $\begin{aligned} & \vec{O} \\ & 0 \\ & \vdots \\ & \vdots \\ & 0 \\ & 0 \\ & \vdots \\ & \vdots 3 \end{aligned}$ |  |  |  |
|  |  |  |  | $\begin{aligned} & \text { AだN } \\ & \text { HiN } \end{aligned}$ | $\stackrel{\square}{\sim}$ | $\xrightarrow[\sim]{\circ}$ | \＆゙べが® | ホit io | 俞 | $\stackrel{\underset{\sim}{\circ} \stackrel{0}{A}}{ }$ | $\stackrel{\rightharpoonup}{\mathrm{N}}$ | ONiNoño |


| Identification |  | Location |  |  |  | Wetland Impacts |  |  |  |  |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\text { Impact Number }{ }^{a}$ |  |  |  |  |  |  |  |  |  |  |  |  | Crossing Method ${ }^{c}$ |  |
|  |  |  |  |  |  | PFO | PSS | PEM | PFO | PSS | PEM |  |  |  |
| $\begin{aligned} & 247, \\ & 248 \end{aligned}$ | W-T51-17001C | 41.34632 | -76.00752 | Lehman | Harvey's Lake | 0.0866 | 0.0000 | 0.0000 | 0.0426 | 0.0000 | 0.0000 | GAS | I | Other |
| $\begin{aligned} & 267, \\ & 268 \end{aligned}$ | W-T51-17002 | 41.35286 | -76.01011 | Dallas | Harvey's Lake | 0.0454 | 0.0000 | 0.0000 | 0.0050 | 0.0000 | 0.0000 | GAS | I | EV |
| $\begin{aligned} & \hline 269, \\ & 270 \end{aligned}$ | W-T24-17001A-1 | 41.36015 | -75.99356 | Dallas | Kingston | 0.0000 | 0.0000 | 0.1896 | 0.0000 | 0.0000 | 0.0243 | GAS | I | Other |
| $\begin{aligned} & 276, \\ & 277 \end{aligned}$ | W-T71-18002B-1 | 41.36511 | -75.99410 | Dallas | Kingston | 0.0000 | 0.0329 | 0.0000 | 0.0000 | 0.0041 | 0.0000 | GAS | I | EV |
| $\begin{aligned} & 282, \\ & 283 \end{aligned}$ | W-T07-17006 | 41.37377 | -75.98279 | Dallas | Kingston | 0.0000 | 0.0000 | 0.1307 | 0.0000 | 0.0000 | 0.0199 | GAS | I | Other |
| $\begin{aligned} & 294, \\ & 295 \end{aligned}$ | W-T76-18021-3 | 41.38352 | -75.98012 | Dallas | Center Moreland | 0.0000 | 0.0000 | 0.0007 | 0.0000 | 0.0000 | 0.0008 | GAS | I | EV |
|  |  |  |  |  | Totals | 2.4405 | 1.6330 | 5.7692 | 1.1795 | 0.1472 | 0.5654 |  |  |  |

${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application. ${ }^{\mathrm{b}}$ GAS=gas pipeline, TEMPRD=temporary roadway crossing, $\mathrm{AG}=$ agricultural crossing
${ }^{c} \mathrm{I}=$ Open Cut, II = Trenchless Crossing Method - Horizontal Directional Drill, III = Trenchless Crossing Method - Conventional Bore, IV = Temporary Matting
${ }^{\text {d }}$ This feature will be crossed using a trenchless method. Impacts shown are for the contingency crossing method, which are larger than the primary trenchless method.
Lacustrine Impact Table: Luzerne County

| Identification |  |  |  | Location |  |  |  | Lacustrine Impacts |  |  |  | Crossing <br> Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{gathered} \infty \\ \text { os } \\ \text { os } \\ \text { s } \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{gathered}$ |  |  |  |  |  |  |  |  | $q^{\partial d} C L .8 u!s s_{0.1}$ | $\begin{aligned} & 0 \\ & 0 \\ & 3 \\ & \\ & \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  |
| 77 | WB-T13-16002 | Unnamed Pond | None | 41.304434 | -76.193058 | Ross | Sweet Valley | 194.29 | 0.00 | 0.0754 | 0.0000 | Gas | V | N/A |
| $\begin{aligned} & 159, \\ & 160 \end{aligned}$ | WB-T03-17002 | Unnamed Pond | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.322950 | -76.087590 | Lake | Harvey's Lake | 70.56 | 26.57 | 0.0241 | 0.0030 | Gas | I | WT |
|  |  |  |  |  |  |  | Totals | 264.85 | 26.57 | 0.0995 | 0.0030 |  |  |  |

${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application.
${ }^{\text {b }}$ Gas=gas pipeline crossing or floodway impacts, TBC=temporary bridge crossing, TEMPRD = temporary road crossing
 Crossing Method-Conventional Bore, IV=Floodway Impacts Only; V=Bridge Equipment Crossing
${ }^{\text {d }}$ AFBC Designations: ST = Stocked Trout; WT = Wild Trout; CA = Class A Trout


 (Pine Grove, PA Quadrangle $\mathrm{N}: 40^{\circ} 31^{\prime} 39.08^{\prime \prime}$; W: $76^{\circ} 29^{\prime} 25.76^{\prime \prime}$ ).



 PSS wetlands. Specific impacts are shown in Appendix 1-Project Impacts.



 in Pennsylvania between Lenox Township, Susquehanna County, PA and Drumore Township, Lancaster County, PA.

 30 days of publication of this notice, or within 30 days of receipt of written notice of this action, whichever occurs first. Important legal rights are at stake, so
you should show this document to a lawyer at once.
APPENDIX 1—Project Impacts


| Identification |  |  |  | Location |  |  |  | Stream Impacts |  |  |  | Floodway Impacts |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { き } \\ & \text { z } \\ & \text { z } \\ & \text { Ẽ } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  |  |  |  |  | $\begin{aligned} & \text { Temporary Crossing } \\ & \text { Length (feet) } \end{aligned}$ |  |  |  |  |  | $\begin{aligned} & \text { N } \\ & \text { N } \\ & 0 \\ & 0 \\ & \text { En } \\ & 0.0 \end{aligned}$ | „рочғдW sụ̂ssouว |  |
| $\underset{4}{1,2,3}$ | $\begin{gathered} \text { WW-T34- } \\ 7001 \end{gathered}$ | UNT to Mill Creek | CWF, MF | 40.53300 | -76.47938 | Pine Grove | Pine Grove | 89.25 | 10.54 | 0.0373 | 0.0036 | 0.2192 | 0.0255 | Gas | I | WT |
| 5, 6 | $\begin{gathered} \text { WW-T35- } \\ 7001 \end{gathered}$ | UNT to Mill Creek | N/A | 40.53593 | -76.47699 | Pine Grove | Pine Grove | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.5322 | 0.0193 | Gas | IV | N/A |
| $\begin{aligned} & 11,12 \\ & 13,14 \end{aligned}$ | $\begin{gathered} \text { WW-T35- } \\ 7002 \end{gathered}$ | Mill Creek | CWF, MF | 40.53687 | -76.47602 | Pine Grove | Pine Grove | 84.08 | 10.70 | 0.0957 | 0.0125 | 0.4100 | 0.0386 | Gas | I | WT |
| $\begin{array}{\|l\|} \hline 15,16, \\ 17,18 \end{array}$ | WW-T347002 | UNT to Mill Creek | CWF, MF | 40.53791 | -76.47381 | Pine Grove | Pine Grove | 97.23 | 11.53 | 0.0238 | 0.0027 | 0.1941 | 0.0176 | Gas | I | WT |
| $\begin{aligned} & 23,24, \\ & 25,26 \end{aligned}$ | $\begin{gathered} \text { WW-T34- } \\ 8001 \end{gathered}$ | UNT to Swatara Creek | CWF, MF | 40.54168 | -76.46103 | Pine Grove | Pine Grove | 91.51 | 11.55 | 0.0346 | 0.0033 | 0.4628 | 0.0534 | Gas | I | None |
| 27, 28 | $\begin{gathered} \text { WW-T34- } \\ 8001 \mathrm{~A} \end{gathered}$ | UNT to Swatara Creek | CWF, MF | 40.54179 | -76.46094 | Pine Grove | Pine Grove | 98.32 | 13.93 | 0.0226 | 0.0020 | 0.0000 | 0.0000 | Gas | I | None |
| $\begin{aligned} & 29,30, \\ & 31,32 \end{aligned}$ | $\begin{gathered} \text { WW-T31- } \\ 7001 \end{gathered}$ | UNT to Swatara Creek | CWF, MF | 40.54693 | -76.45228 | Pine Grove | Pine Grove | 94.52 | 45.11 | 0.0477 | 0.0090 | 0.2589 | 0.0262 | Gas | I | None |
| 36 | WW-T187004 | UNT to Swatara Creek | CWF, MF | 40.55521 | -76.44604 | Pine Grove | Pine Grove | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0835 | 0.0000 | Gas | IV | None |
| 39, 40 | $\begin{gathered} \text { WW-T18- } \\ 7007 \mathrm{C} \end{gathered}$ | UNT to Swatara Creek | CWF, MF | 40.56347 | -76.43733 | Pine Grove | Pine Grove | 19.94 | 33.53 | 0.0131 | 0.0069 | 0.0000 | 0.0000 | Gas | I | None |
| 41, 42 | $\begin{gathered} \text { WW-T18- } \\ 7007 \mathrm{~A} \end{gathered}$ | UNT to Swatara Creek | CWF, MF | 40.56377 | -76.43725 | Pine Grove | Pine Grove | 83.12 | 10.13 | 0.0390 | 0.0041 | 0.0000 | 0.0000 | Gas | I | None |
| $\begin{array}{\|c} 43,44 \\ 45,46 \end{array}$ | WW-T187007 | UNT to Swatara Creek | CWF, MF | 40.56376 | -76.43708 | Pine Grove | Pine Grove | 115.18 | 15.73 | 0.0604 | 0.0070 | 0.6317 | 0.0727 | Gas | I | None |
| $\begin{aligned} & 47,48, \\ & 49.50 \end{aligned}$ | $\begin{gathered} \text { WW-T21- } \\ 7001 \end{gathered}$ | UNT to Swatara Creek | CWF, MF | 40.56899 | -76.42889 | Pine Grove | Pine Grove | 155.37 | 20.40 | 0.0251 | 0.0034 | 0.3875 | 0.0522 | Gas | I | None |


|  |  | $\begin{aligned} & 0 \\ & \text { B } \\ & Z \end{aligned}$ | 会 | $\frac{5}{3}$ | 感 | $\frac{5}{3}$ | 㘸 | 感 | 感 | 感 | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | „рочғ2W su¢ssou入 | $\square$ | $\square$ | $\mapsto$ | $\leftharpoondown$ | $\mapsto$ | $\checkmark$ | $\mapsto$ | $\square$ | $\square$ | $\checkmark$ |
|  | ${ }_{9}{ }^{\text {ad＾}}$ L Sụssou， |  | $\begin{array}{\|c} \substack{n \\ \text { た }} \end{array}$ | U |  | 㸚 | 敬 | 敞 |  | שٌ | む゙ |
|  | （sวuว ） <br> ฉэрдшы ұидиршиад | $\begin{aligned} & \text { L2 } \\ & \text { N } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \text { r } \\ & \text { O} \\ & \text { O} \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 8 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { な. } \\ & \text { N } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & 0 \\ & \underset{N}{\mathrm{~N}} \\ & 0 . \end{aligned}$ |  | $\begin{aligned} & \mathfrak{N} \\ & \underset{\sim}{\circ} \\ & \underset{\sim}{0} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & \ldots \\ & \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \\ & \hline \end{aligned}$ |
|  | （sวuวn） <br> ฉэрдши К．ı．ıодшац $L$ | $\begin{aligned} & 10 \\ & \stackrel{0}{0} \\ & \vdots \\ & 0 \end{aligned}$ | $$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { H } \\ \text { N } \\ \text { No } \end{array}$ | $$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{gathered} 0 \\ \hline \\ \text { N } \\ 0 \\ 0 \end{gathered}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ |
|  | （sәиәр）рәин <br>  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 7 \\ & \hline \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{I} \\ & \stackrel{y}{\circ} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { H } \\ \text { O} \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \text { た } \\ & \text { O. } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { § } \\ & \text { O. } \\ & 0 \end{aligned}$ | $$ |
|  | （sәıวр）рәиу ээрдши Кцр．одшәц | $\begin{aligned} & \text { N } \\ & 0 \\ & 0 \\ & \vdots \\ & 0 \end{aligned}$ | $\begin{aligned} & \stackrel{N}{2} \\ & \stackrel{y}{0} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { O. } \end{aligned}$ | $$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & \text { O} \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline \\ & \text { of } \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { L⿵ } \\ & \text { N } \\ & \text { o } \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 1 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{0} \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { O } \\ & 0 \\ & 0 \end{aligned}$ |
|  | （ұวәf）чұรัววт su！ssou，ұиәириıдд | $\stackrel{20}{10}$ | $\begin{aligned} & \text { N } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 10 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{1} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { og } \\ & \text { i } \\ & \text { I } \end{aligned}$ | $$ | $$ | $\begin{aligned} & \infty \\ & \infty \\ & \dot{\sim} \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { 도 } \\ & \underset{子}{2} \end{aligned}$ |
|  | （ұәдf）чұ．яиәт su！̣ssoū К．ıриодшац | $\begin{aligned} & \stackrel{\infty}{\stackrel{1}{~}} \\ & \underset{\sim}{-} \end{aligned}$ | $\begin{aligned} & N \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 8 \\ & 8 \end{aligned}$ | $\begin{aligned} & 4 \\ & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | $\begin{array}{\|c} 10 \\ \stackrel{0}{1} \\ \infty \\ \hline \end{array}$ | $\begin{aligned} & \infty \\ & \infty \\ & \underset{\infty}{\infty} \end{aligned}$ | $\begin{aligned} & N \\ & 0 \\ & 0 \\ & \infty \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { g. } \\ & \text { 号 } \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \text { O} \\ & \end{aligned}$ | $\begin{aligned} & \text { O. } \\ & \text { ®io } \\ & \hline \end{aligned}$ |
|  | วุяириррпб | 䖨芯 | 总景 | 盖荌 | 送荡 | 范范 | 范范 | 总芯 | 总景 | 蜼荢 | 䖝菅 |
|  | （d？̣ysumoL） Kł！？pd！？！？unW | 范范 |  |  |  |  | $\left\lvert\, \begin{aligned} & \stackrel{\rightharpoonup}{0} \\ & \text { g } \\ & 0 \\ & \text { ung } \end{aligned}\right.$ |  |  |  |  |
|  | әрпұ！ธиот | $\begin{aligned} & \hline \infty \\ & \infty \\ & \underset{y}{0} \\ & \underset{\sim}{0} \\ & \underset{1}{1} \\ & \hline \end{aligned}$ | $$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 7 \\ & \underset{1}{6} \\ & 1 \end{aligned}$ |  |  |  | $\infty$ 8 7 7 6 1 1 |  |  |  |
|  | әрпұ？ұрт | N <br> N <br> 0 <br> 0 <br> O | 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br>  | त्र 0 0 0 0 0 | $\begin{aligned} & 0 \\ & 0 \\ & \underset{\sim}{0} \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  | $\stackrel{2}{7}$ $\stackrel{3}{7}$ $\stackrel{y}{8}$ | $\begin{aligned} & 20 \\ & 0 \\ & 0 \\ & \hline 6 \\ & 0 \\ & \hline 8 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \text { N } \\ & 0 \\ & 0 \\ & \text { O } \end{aligned}$ | N O N N O． O． |  |
|  |  | $$ |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | $\begin{aligned} & \text { io } \\ & \text { in } \\ & \text { in } \end{aligned}$ |  | $\begin{aligned} & 8 \\ & 0 \\ & 08 \end{aligned}$ |  |  | $\begin{aligned} & \text { શ゙나 } \\ & \text { Nボ } \\ & \text { N゙ } \end{aligned}$ |  | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ |  | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ |


|  |  | E | $\begin{aligned} & E \\ & 3 \end{aligned}$ | $\begin{aligned} & \mathrm{B} \\ & \mathrm{~B} \end{aligned}$ | $\begin{aligned} & E \\ & 3 \end{aligned}$ | $\begin{aligned} & 5 \\ & \hline 3 \end{aligned}$ | 星 | $\begin{aligned} & 0 \\ & \text { Z } \\ & \text { Z } \end{aligned}$ | ® Z |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $ص$ | $\square$ | $\checkmark$ | $\mapsto$ | $\curvearrowleft$ | $\mapsto$ | $\mapsto$ | $\square$ |
|  | $q^{\text {ad¢ }}$ L Supssou， | 発 | Nூ | 倠 | ぞ | 発 | デ | ぞ |  |
|  | （sวıวn） <br> ъэрдші ұиәиршиад | $\begin{aligned} & \hline \infty \\ & \stackrel{\infty}{\circ} \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { of } \\ & \text { ó } \\ & 0 . \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { O } \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{\circ} \\ & \text { ó } \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { N } \\ & \text { ó } \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { H } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \stackrel{\infty}{\infty} \\ & \stackrel{\circ}{\circ} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & \hline 0 \\ & \hline- \end{aligned}$ |
|  | （saın） <br> ฉэрдш Кцр．одшәц | $\begin{aligned} & \text { N } \\ & \text { O} \\ & \text { - } \\ & \hline \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline \stackrel{\circ}{\circ} \\ & \hline 0 \\ & 0 \\ & \hline \end{aligned}$ | $$ | $\begin{aligned} & \text { O. } \\ & \text { N } \\ & \text { N. } \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { N } \\ & \text { N̦ } \end{aligned}$ | $\begin{aligned} & 4 \\ & \hline 0 \\ & 7 \\ & 0 \end{aligned}$ | $\begin{aligned} & 20 \\ & 0.0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { Hi } \\ & \text { O. } \\ & 0 . \end{aligned}$ |
|  | （sวитд）ралн ээрдшш ұиаишшиа | $\begin{aligned} & \hline \text { N } \\ & \text { N } \\ & \text { O} \\ & 0 \end{aligned}$ | $\begin{aligned} & 10 \\ & \stackrel{0}{8} \\ & 0 . \end{aligned}$ |  | $\begin{aligned} & \text { N } \\ & \text { O } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \infty \\ & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { No } \\ & \text { ó } \\ & \text { ó } \end{aligned}$ | $\begin{aligned} & \hline \text { N } \\ & \text { O. } \\ & \text { on } \end{aligned}$ |
|  | （sәиэд）ралн ъэрдш Кцр．одшәц |  | $\begin{aligned} & \text { H } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline \text { H } \\ & \text { N } \\ & \text { O. } \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 10 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 10 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { N } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 10 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $$ |
|  | （ұәдf）чұяиวт su！̣sou，ұиәиршидд | $\begin{aligned} & 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \circ \\ & \stackrel{0}{\mathrm{~N}} \end{aligned}$ | $\begin{aligned} & \underset{\sim}{3} \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { LO } \\ & \text { 프N } \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \hline 1 \end{aligned}$ | $\begin{aligned} & \text { O. } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { H} \\ & \stackrel{y}{0} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
|  | （дәәд）чұяиวт <br> su！̣ssoup к．ı．ıодшдц | $\begin{aligned} & \text { が } \\ & \stackrel{\infty}{\infty} \end{aligned}$ | $\begin{aligned} & \stackrel{\text { O}}{2} \\ & \stackrel{\rightharpoonup}{\mathrm{I}} \end{aligned}$ | $\begin{aligned} & \stackrel{\ominus}{\mathrm{N}} \\ & \underset{\circ}{2} \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | $$ | $\begin{aligned} & \text { N } \\ & \text { A内 } \end{aligned}$ | $\begin{aligned} & \mathbb{H} \\ & \infty \\ & \underset{\sim}{1} \end{aligned}$ | $\begin{aligned} & 8 \\ & 0 . \\ & 0.0 \end{aligned}$ |
|  | дฺธนрирпб |  |  |  |  |  |  |  | $\begin{aligned} & \text { dis } \\ & \text { 荡 } \end{aligned}$ |
|  |  | $\begin{aligned} & \tilde{0} \\ & \text { N } \\ & \text { N } \end{aligned}$ | $\begin{aligned} & \text { 品 } \\ & \text { 思 } \\ & \text { 出 } \end{aligned}$ |  |  |  |  | $\begin{aligned} & \text { 읓 } \\ & \text { 苗 } \end{aligned}$ | $\begin{aligned} & \text { 흧 } \\ & \text { 孚 } \end{aligned}$ |
|  | әрпұ！．яиот |  | $\infty$ 0 0 0 1 1 1 1 | 10 0 0 1 1 1 1 1 | $\begin{aligned} & \infty \\ & 0 \\ & \text { O} \\ & 0 \\ & 0 \\ & 0 \\ & 1 \end{aligned}$ | $\begin{aligned} & 9 \\ & 20 \\ & 20 \\ & 1 \\ & 0 \\ & 1 \end{aligned}$ | 0 0 0 0 4 1 1 |  | $\circ$ 8 8 10 0 1 |
|  | əрпұ？ұрт | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \text { O- } \end{aligned}$ | 0 0 0 0 O． O． | $\begin{aligned} & \text { + } \\ & \text { ó } \\ & \text { O} \\ & \text { ó } \end{aligned}$ |  |  | $$ | 10 <br> $\infty$ <br> 0 <br> 0 <br> 0 | $\begin{aligned} & \text { H } \\ & \text { 少 } \\ & \dot{ } \\ & \text { O} \end{aligned}$ |
|  |  |  |  | $\begin{aligned} & \text { 甹 } \\ & \sum_{n}^{2} \\ & \text { 令 } \end{aligned}$ | $\begin{aligned} & \sum_{2}^{5} \\ & \sum_{0}^{5} \\ & 2 \end{aligned}$ |  | $\begin{aligned} & \sum_{2}^{\text {n }} \\ & \sum_{0}^{5} \end{aligned}$ |  | $\begin{aligned} & \sum_{2}^{5} \\ & \sum_{0}^{5} \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | $\begin{aligned} & \text { oे } \\ & \text { N్ } \\ & \text { 18 } \\ & 3 \\ & 3 \end{aligned}$ |  |  |  |  |  |
|  |  | O우엉웅 | 읔ㅋㅋ |  |  | ボN్ NoN |  | ぽボ心咠品 | Fo |


| Identification |  |  |  | Location |  |  |  | Stream Impacts |  |  |  | Floodway Impacts |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { き } \\ & \text { z } \\ & \text { z } \\ & \text { Ẽ } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  |  |  |  |  | $\begin{aligned} & \text { Temporary Crossing } \\ & \text { Length (feet) } \end{aligned}$ |  |  | $\begin{aligned} & \text { Permanent Impact } \\ & \text { Area (acres) } \end{aligned}$ |  |  |  |  |  |
| $\begin{aligned} & 155, \\ & 156, \\ & 157, \\ & 158 \end{aligned}$ | $\begin{gathered} \text { WW-T09- } \\ 9001 \end{gathered}$ | Little Mahantango Creek | CWF, MF | 40.71856 | -76.50354 | Eldred | Valley View | 70.64 | 10.00 | 0.0315 | 0.0046 | 0.1991 | 0.0230 | Gas | I | None |
| 159 | $\begin{gathered} \text { WW-T58- } \\ 7001 \end{gathered}$ | UNT to Lower Rausch Creek | CWF, MF | 40.52963 | -76.47659 | Pine Grove | Pine Grove | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0877 | 0.0000 | $\begin{aligned} & \text { TEM- } \\ & \text { PRD } \end{aligned}$ | IV | None |
| 160 | $\begin{gathered} \text { WW-T35- } \\ 7002 \end{gathered}$ | UNT to Swatara Creek | CWF, MF | 40.53444 | -76.47780 | Pine Grove | Pine Grove | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0393 | 0.0000 | $\begin{aligned} & \text { TEM- } \\ & \text { PRD } \end{aligned}$ | IV | None |
| 161 | $\begin{gathered} \text { WW-T65- } \\ 8001 \mathrm{~A} \end{gathered}$ | UNT to Swatara Creek | CWF, MF | 40.53563 | -76.46315 | $\begin{aligned} & \hline \text { Pine } \\ & \text { Grove } \end{aligned}$ | Pine Grove | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.1569 | 0.0000 | $\begin{aligned} & \text { TEM- } \\ & \text { PRD } \end{aligned}$ | IV | None |
| 162 | $\begin{gathered} \text { WW-T65- } \\ 8001 \end{gathered}$ | UNT to Swatara Creek | CWF, MF | 40.53476 | -76.46213 | Pine Grove | Pine Grove | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0552 | 0.0000 | $\begin{aligned} & \text { TEM- } \\ & \text { PRD } \end{aligned}$ | IV | None |
| 163 | $\begin{gathered} \text { WW-T87- } \\ 9001 \end{gathered}$ | UNT to <br> Mahantango Creek | CWF, MF | 40.69962 | -76.48819 | Eldred | Tremont | 67.03 | 0.00 | 0.0371 | 0.0000 | 0.0000 | 0.0000 | $\begin{aligned} & \text { TEM- } \\ & \text { PRD } \end{aligned}$ | V | None |
| 164 | $\begin{gathered} \text { WW-T87- } \\ 9001 \end{gathered}$ | UNT to Mahantango Creek | CWF, MF | 40.69962 | -76.48819 | Eldred | Tremont | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.1063 | 0.0000 | $\begin{aligned} & \text { TEM- } \\ & \text { PRD } \end{aligned}$ | IV | None |
|  |  |  |  |  |  |  | Totals | 2696.19 | 422.17 | 1.1410 | 0.1498 | 10.3204 | 0.9623 |  |  |  |

[^5]APPENDIX 1—Project Impacts
Wetland Impact Table：Schuylkill County

|  |  ридрдам дұдяS |  | 易 | 甼 | $$ | 㽞 | $\begin{gathered} \tilde{む} \\ \tilde{\sharp} \end{gathered}$ | 只 | 只 | $\begin{gathered} \dot{む} \\ \text { む } \end{gathered}$ | $\begin{gathered} \tilde{む} \\ \ddagger \end{gathered}$ | $\begin{gathered} \dot{む} \\ \ddagger \end{gathered}$ | 㽞 | 分 | $\begin{aligned} & \tilde{\omega} \\ & \ddagger \end{aligned}$ | 旺 | 旺 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ${ }_{\text {„рочғдW }}$ suıssou刀 |  | $\square$ | $\square$ | $\longmapsto$ | $\square$ | $\square$ | $\square$ | $\bullet$ | － | － | － | $\square$ | ■ | $\square$ | $\square$ | $\square$ |
|  |  |  | 令 | 氐 | 令 | 俞 | 氐 | 令 | 氐 | 氐 | 令 | 异 | $\begin{aligned} & \text { 方 } \\ & \text { 令 } \end{aligned}$ | 氐 | 会 | 导 | 忽 |
|  | （sวıวр）рวィН <br>  | $\underset{y}{z}$ | $\begin{array}{\|l} \hline 8 \\ \hline 0 \\ 0 \\ 0 \\ \hline 0 \end{array}$ |  | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 . \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline-1 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { N } \\ & \text { O } \\ & \text { O} \\ & 0 \end{aligned}$ | $\begin{aligned} & 20 \\ & 80 \\ & 0.8 \\ & \hline 0 \end{aligned}$ | $$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 0 \\ \text { O. } \\ \text { O} \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 . \\ & 0 . \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{array}{\|l\|l\|} \hline 2 \\ 0 \\ \text { N } \\ 0 \\ 0 \end{array}$ | $\begin{aligned} & \text { S } \\ & \text { N } \\ & \text { O} \\ & \hline \mathbf{0} \end{aligned}$ |
|  |  | $\begin{aligned} & 2 \\ & \sqrt{2} \\ & R_{2} \end{aligned}$ | O | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 12 \\ & \hline 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 8 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | 8． | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & \\ & \vdots \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { 이 } \\ & \text { N } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  |  | $0$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|l} \hline 20 \\ 8 \\ 0 \\ 0 \end{array}$ | $\begin{aligned} & \infty \\ & \stackrel{n}{1} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline 0 \end{aligned}$ |
|  | （sдиэд）ралн ъэрдшı К．ı．ıодшәц | $\underset{\sim}{\text { 呆 }}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { O } \\ & \mathbf{O} \end{aligned}$ | $\circ$ 8 $\circ$ 0 | $\begin{aligned} & \hline 8 \\ & \stackrel{\circ}{\infty} \\ & 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { O } \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 \\ & \hline 0 \\ & \vdots \\ & \vdots \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \stackrel{\rightharpoonup}{0} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|l\|} \hline- \\ 0 \\ 0 \\ \vdots \\ 0 \end{array}$ | $\begin{aligned} & \overrightarrow{2} \\ & \vdots \\ & 0 \\ & 0 \end{aligned}$ |
|  |  | $\begin{aligned} & i \\ & \sqrt{2} \\ & R_{2} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\circ$ 8 8 0 | $\begin{aligned} & 0 \\ & 8 \\ & 0 . \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { 20 } \\ & \text { N } \\ & 0 . \\ & 0 . \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | 앙 | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \\ & \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  |  | $0$ | $\begin{aligned} & \hline 0 \\ & \hline 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{array}{\|l\|l} \hline \infty \\ \text { N } \\ \text { N } \\ 0 \end{array}$ | $\begin{aligned} & \hline 8 \\ & 8 \\ & \hline 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & \hline \end{aligned}$ | 앙 | 앙 | $\begin{array}{\|l\|} \hline \text { N } \\ \text { O} \\ \text { O} \\ \hline 0 \end{array}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\circ$ <br> 8 <br>  <br> 0 | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  | дฺธириртпб |  |  |  |  |  |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \text { U } \\ & 0 \\ & 0 \\ & \ddot{Z} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \ddot{Z} \\ & \hline \end{aligned}$ |  |  |  |  | $\begin{aligned} & \stackrel{\rightharpoonup}{0} \\ & \text { 品 } \\ & \text { E. } \end{aligned}$ |  |  | U |
|  | $\begin{gathered} \text { (d!ysumoz) } \\ \text { אł!?pd!?!un } \end{gathered}$ |  |  |  |  | $\begin{gathered} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \dot{Z} \end{gathered}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \dot{U} \\ & 0 \\ & \dot{y} \\ & \dot{j} \\ & \hline \end{aligned}$ |  |  |  |  | $\begin{aligned} & \text { 心. } \\ & \stackrel{\rightharpoonup}{7} \\ & \underset{y}{c} \end{aligned}$ |  | $$ | $\begin{gathered} \dot{む} \\ \text { H0 } \\ 0 \end{gathered}$ |  |  |
|  | арпұ！®иот |  | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & \vdots \\ & \vdots \\ & 0 \\ & 1 \\ & 1 \end{aligned}$ | $\begin{aligned} & \underset{1}{2} \\ & \\ & \underset{\sim}{4} \\ & \underset{1}{2} \end{aligned}$ | $\begin{aligned} & \infty \\ & -1 \\ & \vdots \\ & 0 \\ & \dot{0} \\ & 1 \end{aligned}$ | $\begin{aligned} & -2 \\ & 0 \\ & 0 \\ & 7 \\ & \underset{1}{6} \\ & 0 \end{aligned}$ |  |  | $\begin{aligned} & \text { n } \\ & \underset{7}{7} \\ & \underset{4}{1} \\ & \dot{1} \end{aligned}$ |  | $\begin{aligned} & \infty \\ & \underset{\sim}{\alpha} \\ & \underset{\sim}{2} \\ & \dot{1} \\ & \underset{1}{2} \end{aligned}$ | $\begin{aligned} & 20 \\ & 0 \\ & \mathscr{O} \\ & \underset{y}{2} \\ & 0 \\ & 1 \end{aligned}$ |  | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & 0 \\ & +1 \\ & 0 \\ & 1 \end{aligned}$ |  | 0 0 0 0 0 0 1 1 | $\begin{aligned} & \infty \\ & 10 \\ & 10 \\ & 0 \\ & 0 \\ & 0 \\ & 1 \end{aligned}$ |
|  | әрпұ？ұрт |  | $\begin{aligned} & \text { H } \\ & \text { 荷 } \\ & 0 \\ & 0 \\ & \text { G } \end{aligned}$ |  | $\begin{aligned} & \text { II } \\ & \underset{7}{7} \\ & 0 \\ & 0 \\ & \text { O } \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\infty$ <br> $\infty$ <br> 0 <br> 10 <br> 0 <br> 0 <br>  | 0 <br> 0 <br> 0 <br> 0 <br>  |  |  |  | 0 <br> 6 <br> 0 <br> 0 <br> 0 <br> 0 <br>  | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \dot{O} \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $$ | $\begin{aligned} & 9 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |  | $\begin{aligned} & \text { N } \\ & \text { O } \\ & 0 \\ & + \\ & + \\ & N \\ & \\ & 1 \\ & B \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \vdots \\ & \text { in } \\ & \underset{1}{1} \\ & \dot{B} \end{aligned}$ |  |  |  |  |  | -1 8 0 $\vdots$ $\vdots$ $\vdots$ 1 $i$ |
|  |  |  | $\begin{aligned} & 0 \\ & 9 \\ & \text { os } \end{aligned}$ | － | $\begin{gathered} \text { N } \\ \text { N } \\ \text { N } \end{gathered}$ | $\begin{aligned} & \text { L } \\ & \text { が } \\ & \text { N } \end{aligned}$ | $\begin{gathered} \infty \\ \infty \\ \\ \end{gathered}$ | $\begin{aligned} & \mathfrak{O} \\ & \mathfrak{1} \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | $\begin{aligned} & -1 \\ & \dot{8} \end{aligned}$ | $\begin{aligned} & \text { ஜ̈ } \\ & \text { बी } \end{aligned}$ | $\begin{aligned} & 20 \\ & 0 \\ & 01 \end{aligned}$ | $\begin{aligned} & \hat{\circ} \\ & \hat{6} \end{aligned}$ | $\begin{aligned} & \text { O} \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | Oision | os | Nึセ్ํ |


| Identification |  | Location |  |  |  | Wetland Impacts |  |  |  |  |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | PFO | PSS | PEM | PFO | PSS | PEM |  |  |  |
| $\begin{aligned} & 129, \\ & 130, \\ & 131, \\ & 132 \end{aligned}$ | $\begin{aligned} & \text { W-T53-9001A/ } \\ & \text { W-T53-9001A-1 } \\ & \text { W-T53-9001C } \end{aligned}$ | 40.67058 | -76.46757 | Hegins | Tremont | 0.0070 | 0.0000 | 0.3476 | 0.0265 | 0.0000 | 0.0630 | GAS | I | Other |
| $\begin{aligned} & 133, \\ & 134, \\ & 135, \\ & 136 \end{aligned}$ | $\begin{aligned} & \text { W-T16-9003A } \\ & \text { W-T16-9003C } \end{aligned}$ | 40.67170 | -76.46855 | Hegins | Tremont | 0.0264 | 0.0000 | 0.0065 | 0.0210 | 0.0000 | 0.0002 | GAS | I | Other |
| $\begin{aligned} & 141, \\ & 142 \end{aligned}$ | $\begin{gathered} \hline \text { W-T11-9002 } \\ \text { W-T11-9002-1 } \end{gathered}$ | 40.69867 | -76.49351 | Eldred | Tremont | 0.0000 | 0.0000 | 0.0261 | 0.0000 | 0.0000 | 0.0001 | GAS | I | Other |
| $\begin{aligned} & 147, \\ & 148 \end{aligned}$ | W-T11-9001 | 40.69925 | -76.49419 | Eldred | Tremont | 0.0000 | 0.0000 | 0.1829 | 0.0000 | 0.0000 | 0.0283 | GAS | I | Other |
| $\begin{aligned} & 153, \\ & 154 \end{aligned}$ | W-T09-9002 | 40.71143 | -76.50009 | Eldred | Valley View | 0.0523 | 0.0000 | 0.0000 | 0.0602 | 0.0000 | 0.0000 | GAS | I | Other |
|  |  |  |  |  | Totals | 0.2033 | 0.4595 | 1.7485 | 0.1387 | 0.0410 | 0.2474 |  |  |  |

${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application. ${ }^{\mathrm{b}}$ GAS=gas pipeline, TEMPRD=temporary roadway crossing, AG=agricultural crossing
${ }^{\mathrm{c}} \mathrm{I}=$ Open Cut, II = Trenchless Crossing Method—Horizontal Directional Drill, III = Trenchless Crossing Method—Conventional Bore, IV=Temporary Matting
Lacustrine Impact Table: Schuylkill County

| Identification |  |  |  | Location |  |  |  | Lacustrine Impacts |  |  |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7, 8 | WB-T35-7001 | Unnamed Pond | None | 40.53644 | -76.47706 | Pine Grove | Pine Grove | 213.23 | 52.83 | 0.0757 | 0.0116 | GAS | I | None |
| 61 | WB-T32-8002 | Unnamed Pond | None | 40.59941 | -76.42380 | Tremont | Pine Grove | 51.19 | 0.00 | 0.0178 | 0.0000 | TBC | V | None |
| 128 | WB-T10-9001 | Unnamed Pond | None | 40.65874 | -76.46561 | Hegins | Tremont | 11.89 | 0.00 | 0.0001 | 0.0000 | TBC | V | None |
|  |  |  |  |  |  |  | Totals | 276.31 | 52.83 | 0.0935 | 0.0116 |  |  |  |

[^6]${ }^{\text {a }}$ PAFBC Designations: $\mathrm{ST}=$ Stocked Trout; WT = Wild Trout; CA = Class A Trout
E58-315, Transcontinental Gas Pipe Line Company, LLC, 2800 Post Oak Blvd, Level 6, Houston, TX 77056, Atlantic Sunrise Pipeline Project, in (Lenoxville, PA Quadrangle N: $41^{\circ} 42^{\prime} 57.96^{\prime \prime}$; W: $75^{\circ} 42^{\prime} 25.66^{\prime \prime}$ ) and ends at the Susquehanna/Wyoming County Line (Hop Bottom, PA Quadrangle N: 41 $38^{\prime} 35.53^{\prime \prime}$; W: $75^{\circ} 45^{\prime} 39.41^{\prime \prime}$ ).
To construct, operate and maintain approximately 6.7 miles of 30 -inch diameter pipeline and appurtenant structures associated with the Susquehanna County portion of the Atlantic Sunrise Pipeline Project Central Penn Line North. The proposed project impacts in Susquehanna County include a total of 962 met of temporary stream impacts, a total of linear feet of permanent stream impacts, 1.73 acre of temporary foodway impacts, 0.20 acre of permanent floodway impacts, 0.33 acre of temporary lacustrine impacts, 2.47 acres of temporary impacts to Palustrine Emergent (PEM), Palustrine Forested Appendix 1—Project Impacts.
The permittee is required to compensate for the proposed project impacts in Susquehanna County by providing 1.02 acre of successful compensatory wetland mitigation through a combination of wetland creation and wetland enhancement located at the Towanda Creek Mitigation Site along 86 Jennings Creek (TSF, MF) and 7.98 acres of PEM wetland.
The proposed project impacts in this permit application are associated with a proposed transmission pipeline project extending approximately 198.7 miles in Pennsylvania between Lenox Township, Susquehanna County, PA and Drumore Township, Lancaster County, PA.
Any person aggrieved by this action may file a petition for review pursuant to Section 19 (d) of the Federal Natural Gas Act, 15 U.S.C.A. § 717 r(d), with the Office of the Clerk, United States Court of Appeals for the Third Circuit, 21400 U.S. Courthouse, 601 Market Street, Philadelphia, PA 19106-1790 within 30 days of publication of this notice, or within 30 days of receipt of written notice of this action, whichever occurs first. Important legal rights are at stake, so you should show this document to a lawyer at once.
APPENDIX 1—Project Impacts


| Identification |  |  |  | Location |  |  |  | Stream Impacts |  |  |  | Floodway Impacts |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $\begin{aligned} & \text { \# } \\ & \text { 苞 } \\ & \text { 訁 } \end{aligned}$ |  |  |  |  |  |  |  |  |  |  |  |
| $1, \underset{4}{1,3}$ | $\begin{gathered} \text { WW-T30- } \\ 21001 \end{gathered}$ | UNT to Willow Brook | CWF, MF | 41.65399 | -75.76159 | Lenox | $\begin{aligned} & \text { Hop } \\ & \text { Bottom } \end{aligned}$ | 70.20 | 10.00 | 0.0358 | 0.0040 | 0.1781 | 0.0232 | Gas | I | WT |
| 7 | WW-T12- <br> 21004A | UNT to Willow Brook | CWF, MF | 41.65790 | -75.75878 | Lenox | $\begin{aligned} & \text { Hop } \\ & \text { Bottom } \end{aligned}$ | 103.88 | 0.00 | 0.0106 | 0.0000 | 0.0000 | 0.0000 | Gas | I | WT |
| $\begin{gathered} 8,9, \\ 10,11 \end{gathered}$ | $\begin{gathered} \text { WW-T12- } \\ 21004 \end{gathered}$ | UNT to Willow Brook | CWF, MF | 41.65799 | -75.75859 | Lenox | Hop Bottom | 72.44 | 10.82 | 0.0494 | 0.0085 | 0.2969 | 0.0376 | Gas | I | WT |
| $\begin{aligned} & 14,15, \\ & 16,17 \end{aligned}$ | $\begin{gathered} \text { WW-T12- } \\ 21001 \end{gathered}$ | Willow <br> Brook | CWF, MF | 41.66190 | -75.74886 | Lenox | Lenoxville | 76.78 | 11.18 | 0.0607 | 0.0080 | 0.0193 | 0.0041 | Gas | I | WT |
| $\begin{aligned} & 22,23, \\ & 24,25 \end{aligned}$ | $\begin{gathered} \text { WW-T50- } \\ 21001 \end{gathered}$ | Utley Brook | CWF, MF | 41.67527 | -75.74235 | Lenox | Lenoxville | 75.63 | 10.05 | 0.0414 | 0.0061 | 0.1991 | 0.0232 | Gas | I | WT |
| $\begin{aligned} & 28,29, \\ & 30,31 \end{aligned}$ | $\begin{gathered} \text { WW-T50- } \\ 21002 \end{gathered}$ | Millard Creek | CWF, MF | 41.68174 | -75.73312 | Lenox | Lenoxville | 73.57 | 10.51 | 0.0492 | 0.0062 | 0.1442 | 0.0201 | Gas | I | WT |
| 34, 35 | $\begin{gathered} \text { WW-T50- } \\ 21003 \end{gathered}$ | UNT to Millard Creek | CWF, MF | 41.68188 | -75.73285 | Lenox | Lenoxville | 69.94 | 10.82 | 0.0103 | 0.0017 | 0.0000 | 0.0000 | Gas | I | WT |
| 38, 39 | $\begin{gathered} \text { WW-T12- } \\ 21006 \end{gathered}$ | UNT to Millard Creek | CWF, MF | 41.68461 | -75.73085 | Lenox | Lenoxville | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0583 | 0.0074 | Gas | IV | WT |
| $\begin{aligned} & 44,45, \\ & 46,47 \end{aligned}$ | $\begin{gathered} \text { WW-T12- } \\ 21007 \end{gathered}$ | UNT to Millard Creek | CWF, MF | 41.69051 | -75.72051 | Lenox | Lenoxville | 86.82 | 11.36 | 0.0098 | 0.0013 | 0.2627 | 0.0312 | Gas | I | WT |
| 48, 49 | $\begin{aligned} & \text { WW-T12- } \\ & 21007 \mathrm{~A} \end{aligned}$ | UNT to Millard Creek | CWF, MF | 41.69056 | -75.72030 | Lenox | Lenoxville | 52.44 | 10.12 | 0.0062 | 0.0012 | 0.0000 | 0.0000 | Gas | 1 | WT |


| Identification |  |  |  | Location |  |  |  | Stream Impacts |  |  |  | Floodway Impacts |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { き } \\ & \text { z } \\ & \text { z } \\ & \text { Ẽ } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  |  |  |  |  | $\begin{gathered} \text { Temporary Crossing } \\ \text { Length (feet) } \end{gathered}$ | $\begin{aligned} & \text { Permanent Crossing } \\ & \text { Length (feet) } \end{aligned}$ |  |  |  |  |  |  |  |
| 52, 53 | $\begin{gathered} \text { WW-T12- } \\ 21008 \end{gathered}$ | UNT to Tower Branch | CWF, MF | 41.69524 | -75.71896 | Lenox | Lenoxville | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0521 | 0.0055 | Gas | IV | WT |
| $\begin{aligned} & 58,59, \\ & 60,61 \end{aligned}$ | $\begin{gathered} \text { WW-T92- } \\ 21002 \end{gathered}$ | UNT to Tower Branch | CWF, MF | 41.69581 | -75.71783 | Lenox | Lenoxville | 53.01 | 18.46 | 0.0067 | 0.0017 | 0.0847 | 0.0135 | Gas | I | WT |
| $\begin{aligned} & 62,63, \\ & 64,65 \end{aligned}$ | $\begin{aligned} & \text { WW-T12- } \\ & \text { 21009A } \end{aligned}$ | UNT to Tower Branch | CWF, MF | 41.69599 | -75.71742 | Lenox | Lenoxville | 74.70 | 11.50 | 0.0219 | 0.0034 | 0.0079 | 0.0015 | Gas | I | WT |
| 72, 73 | $\begin{aligned} & \text { WW-T48- } \\ & 21001 \mathrm{~A} \end{aligned}$ | UNT to Tower Branch | CWF, MF | 41.70986 | -75.70735 | Lenox | Lenoxville | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0395 | 0.0044 | Gas | IV | WT |
| $\begin{aligned} & 74,75, \\ & 76,77 \\ & \hline \end{aligned}$ | $\begin{gathered} \text { WW-T48- } \\ 21001 \end{gathered}$ | Tower Branch | CWF, MF | 41.71033 | -75.70767 | Lenox | Lenoxville | 68.34 | 10.00 | 0.0342 | 0.0041 | 0.0301 | 0.0029 | Gas | I | WT |
| $\begin{array}{\|l} 80,81, \\ 82,83 \end{array}$ | $\begin{gathered} \text { WW-T17- } \\ 21001 \end{gathered}$ | UNT to Tower Branch | CWF, MF | 41.71500 | -75.70916 | Lenox | Lenoxville | 83.80 | 10.22 | 0.0116 | 0.0017 | 0.2813 | 0.0245 | Gas | I | WT |
| 85 | $\begin{gathered} \text { WW-T65- } \\ 21001 \end{gathered}$ | UNT to Millard Creek | CWF, MF | 41.64487 | -75.76466 | Lenox | Hop Bottom | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0728 | 0.0000 | $\begin{array}{\|l} \hline \text { TEMP } \\ \text { RD } \end{array}$ | IV | WT |
|  |  |  |  |  |  |  | Totals | 961.55 | 135.05 | 0.3478 | 0.0479 | 1.7270 | 0.1991 |  |  |  |

${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application.
 Crossing Method-Conventional Bore, IV=Floodway Impacts Only; V=Bridge Equipment Crossing
${ }^{\text {d PAFBC Designations: }}$ ST $=$ Stocked Trout; WT $=$ Wild Trout; CA = Class A Trout
Wetland Impact Table: Susquehanna County

| Identification |  | Location |  |  |  | Wetland Impacts |  |  |  |  |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  | $\begin{aligned} & \text { Permanent Impact } \\ & \text { Area (acres) } \end{aligned}$ |  | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { N } \\ & \text { N } \\ & \text { N } \\ & 0 \\ & 0 \end{aligned}$ |  |  |
|  |  |  |  |  | PFO | PSS | PEM | PFO | PSS | PEM |  |  |  |  |
| 5, 6 | W-T30-21002 | 41.65559 | -75.76041 | Lenox | Hop Bottom | 0.0000 | 0.0000 | 0.0477 | 0.0000 | 0.0000 | 0.0110 | GAS | I | Other |
| 12, 13 | W-T12-21001A | 41.66172 | -75.75035 | Lenox | Hop Bottom | 0.0000 | 0.0000 | 0.6798 | 0.0000 | 0.0000 | 0.1093 | GAS | I | Other |
| 18, 19 | $\begin{aligned} & \text { W-T70-21001A-1 } \\ & \text { W-T70-21001A-2 } \end{aligned}$ | 41.66932 | -75.74492 | Lenox | Lenoxville | 0.0000 | 0.0000 | 0.0756 | 0.0000 | 0.0000 | 0.0185 | GAS | I | Other |
| 20, 21 | $\begin{aligned} & \text { W-T51-21004 / } \\ & \text { W-T51-21004-1 } \end{aligned}$ | 41.67439 | -75.74348 | Lenox | Lenoxville | 0.0000 | 0.0000 | 0.1454 | 0.0000 | 0.0000 | 0.0231 | GAS | I | Other |
| 26, 27 | W-T64-21001-1 | 41.67918 | -75.73889 | Lenox | Lenoxville | 0.0000 | 0.0000 | 0.0703 | 0.0000 | 0.0000 | 0.0162 | GAS | I | Other |
| 32, 33 | W-T50-21002 | 41.68178 | -75.73294 | Lenox | Lenoxville | 0.0008 | 0.0000 | 0.0000 | 0.0058 | 0.0000 | 0.0000 | GAS | I | Other |
| 36, 37 | W-T50-21003 | 41.68193 | -75.73286 | Lenox | Lenoxville | 0.0130 | 0.0000 | 0.0000 | 0.0052 | 0.0000 | 0.0000 | GAS | I | EV |
| 40, 41 | W-T12-21007A | 41.68499 | -75.73081 | Lenox | Lenoxville | 0.0000 | 0.0000 | 0.1281 | 0.0000 | 0.0000 | 0.0184 | GAS | I | EV |
| 42, 43 | W-T12-21008-1 | 41.69058 | -75.72057 | Lenox | Lenoxville | 0.0000 | 0.0000 | 0.0347 | 0.0000 | 0.0000 | 0.0076 | GAS | I | EV |
| $\begin{aligned} & \hline 50,51, \\ & 54,55, \\ & 56,57 \\ & \hline \end{aligned}$ | W-T12-21009 | 41.69436 | -75.71981 | Lenox | Lenoxville | 0.1547 | 0.0992 | 0.3125 | 0.1023 | 0.0156 | 0.0492 | GAS | I | EV |
| $\begin{array}{\|l} \hline 66,67, \\ 68,69 \\ \hline \end{array}$ | W-T48-21002 | 41.70239 | -75.71514 | Lenox | Lenoxville | 0.0844 | 0.0000 | 0.3149 | 0.0574 | 0.0000 | 0.0447 | GAS | I | Other |
| 69, 70 | W-T48-21001 | 41.70966 | -75.70737 | Lenox | Lenoxville | 0.0000 | 0.0000 | 0.2116 | 0.0000 | 0.0000 | 0.0185 | GAS | I | EV |
| 78, 79 | W-T48-21003 | 41.71044 | -75.70770 | Lenox | Lenoxville | 0.0000 | 0.0000 | 0.1005 | 0.0000 | 0.0000 | 0.0198 | GAS | I | EV |
|  |  |  |  |  | Totals | 0.2529 | 0.0992 | 2.1211 | 0.1707 | 0.0156 | 0.3363 |  |  |  |

[^7]Lacustrine Impact Table: Susquehanna County

| Identification |  |  |  | Location |  |  |  | Lacustrine Impacts |  |  |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { N } \\ & \text { N } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\text { Crossing Method }{ }^{c}$ |  | None |
| 84 | WB-T87-21001 | Unnamed Pond | CWF, MF | 41.715791 | -75.708803 | Lenox | Lenoxville | 203.14 | 0 | 0.3251 | 0.000 | TBC | V |  |
|  |  |  |  |  |  |  | Totals | 203.14 | 0 | 0.3251 | 0.00 |  |  |  |

${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application.
${ }^{c}$ II=Dry Crossing Method (includes Dam \& Pump, Flume, or Cofferdam); II=Trenchless Crossing Method: Horizontal Directional Drill; III = Trenchless Crossing Method: Conventional Bore; IV = Floodway Impacts Only; V=Bridge Equipment Crossing
E66-160, Transcontinental Gas Pipe Line Company, LLC, 2800 Post Oak Blvd, Level 6, Houston, TX 77056, Atlantic Sunrise Pipeline Project, in Monroe Township, Northmoreland Township, Eaton Township, Falls Township, Overfield Township, Clinton Township and Nicholson Township, Wyoming
 County Line (Center Moreland, PA Quadrangle N: $41^{\circ} 23^{\prime} 40.82^{\prime \prime}$; W: $75^{\circ} 57^{\prime} 58.26^{\prime \prime}$ ).
To construct, operate and maintain approximately 26.4 miles of 30 -inch diameter pipeline and appurtenant structures associated with the Wyoming County portion of the Atlantic Sunrise Pipeline Project Central Penn Line North. The proposed project impacts in Wyoming County include a total of 4,492 , feet of temporary stream impacts, a total of 564 linear feet of permanent stream impacts, 18.92 acres of temporary floodway impacts, 1.69 acre of permanent
floodway impacts, 7.26 acres of temporary impacts to Palustrine Emergent (PEM), Palustrine Forested (PFO) and Palustrine Scrub-Shrub (PSS) wetlands and 1.70 acre of permanent impacts to PEM, PFO and PSS wetlands. Specific impacts are shown in Appendix 1—Project Impacts.
The permittee is required to compensate for the proposed project impacts in Wyoming County by providing 4.59 acres of successful compensatory wetland mitigation through a combination of wetland creation and wetland enhancement located at the Towanda Creek Mitigation Site along 86 Jennings Road (Canton, PA Quadrangle N: $41^{\circ} 41^{\prime} 36.61^{\prime \prime} ; \mathrm{W}:-76^{\circ} 45^{\prime} 58.3^{\prime \prime}$ ) in Granville and Leroy Townships, Bradford County and at the Headwaters Of Larry's Creek impacts for compensatory wetland mitigation at the Towanda Creek Mitigation Site include a total of 67 linear feet of temporary stream impacts to an UNT to Towanda Creek (TSF, MF) and 7.98 acres of PEM wetland and at the Headwaters of Larry's Creek Mitigation Site include a total of 1,681 linear feet of temporary stream impacts to an UNT to Larry's Creek (HQ-CWF, MF) and 5.39 acres of PEM wetland.
The proposed project impacts in this permit application are associated with a proposed transmission pipeline project extending approximately 198.7 miles in Pennsylvania between Lenox Township, Susquehanna County, PA and Drumore Township, Lancaster County, PA.
Any person aggrieved by this action may file a petition for review pursuant to Section 19 (d) of the Federal Natural Gas Act, 15 U.S.C.A. § $717 r(d)$, with the Office of the Clerk, United States Court of Appeals for the Third Circuit, 21400 U.S. Courthouse, 601 Market Street, Philadelphia, PA 19106-1790 within 30 days of publication of this notice, or within 30 days of receipt of written notice of this action, whichever occurs first. Important legal rights are at stake, so you should show this document to a lawyer at once.
APPENDIX 1—Project Impacts


| Identification |  |  |  | Location |  |  |  | Stream Impacts |  |  |  | Floodway Impacts |  | $\begin{array}{c\|} \text { Crossing } \\ \text { Information } \\ \hline \end{array}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{gathered} 3,4,5 \\ 6 \end{gathered}$ | $\begin{aligned} & \text { WW-T76- } \\ & 18005 \mathrm{~A} \end{aligned}$ | UNT to <br> Leonard Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.39592 | -75.98396 | Monroe | Center Moreland | 79.77 | 12.28 | 0.0292 | 0.0050 | 0.5566 | 0.0400 | Gas | I | $\underset{\text { WT, }}{\substack{\text { WT, } \\ \hline}}$ |
| $\begin{aligned} & 11,12, \\ & 13,14 \end{aligned}$ | $\begin{gathered} \text { WW-T81- } \\ 18003 \end{gathered}$ | UNT to <br> Leonard Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.40711 | -75.98894 | Monroe | Center Moreland | 71.46 | 10.07 | 0.0266 | 0.0050 | 0.4706 | 0.0550 | Gas | I | $\begin{aligned} & \hline \text { ST, } \\ & \text { WT } \end{aligned}$ |
| $\begin{aligned} & \hline 19,20, \\ & 21,22 \end{aligned}$ | $\begin{gathered} \text { WW-T82- } \\ 18006 \end{gathered}$ | UNT to <br> Leonard Creek | $\begin{gathered} \text { HQ-CWF, } \\ \mathrm{MF} \end{gathered}$ | 41.42063 | -75.98339 | Monroe | Center Moreland | 80.73 | 10.49 | 0.0242 | 0.0031 | 0.0459 | 0.0088 | Gas | I | $\underset{\text { ST, }}{\text { ST, }}$ |
| 24 | $\begin{aligned} & \text { WW-T82- } \\ & 18006 \mathrm{C} \end{aligned}$ | UNT to <br> Leonard Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.42077 | -75.98351 | Monroe | Center Moreland | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0237 | 0.0000 | Gas | IV | $\underset{\mathrm{SA}}{\mathrm{ST},}$ |
| $\left\lvert\, \begin{gathered} 25,26, \\ 27,28 \end{gathered}\right.$ | $\begin{gathered} \text { WW-T82- } \\ 18004 \end{gathered}$ | UNT to Leonard Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.42459 | -75.98228 | Monroe | Center Moreland | 83.10 | 18.19 | 0.0036 | 0.0007 | 0.2218 | 0.0294 | Gas | I | $\underset{\mathrm{CA}}{\mathrm{ST},}$ |
| $\begin{array}{\|l\|} \hline 29,30, \\ 31,32 \end{array}$ | $\begin{gathered} \text { WW-T82- } \\ 18003 \end{gathered}$ | UNT to <br> Leonard Creek | $\begin{gathered} \text { HQ-CWF, } \\ \mathrm{MF} \end{gathered}$ | 41.42495 | -75.98061 | Monroe | Center Moreland | 78.20 | 10.03 | 0.0285 | 0.0041 | 0.1998 | 0.0240 | Gas | I | $\begin{gathered} \mathrm{ST}, \end{gathered}$ |
| $\begin{aligned} & 35,36, \\ & 37,38 \\ & \hline \end{aligned}$ | $\begin{gathered} \text { WW-T76- } \\ 18001 \end{gathered}$ | Marsh Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \\ \hline \end{gathered}$ | 41.42314 | -75.96033 | Northmoreland | Center Moreland | 116.39 | 19.36 | 0.0576 | 0.0124 | 0.3563 | 0.0371 | Gas | I | WT |
| $\begin{aligned} & 40,41, \\ & 42,43 \end{aligned}$ | $\begin{gathered} \text { WW-T82- } \\ 18008 \end{gathered}$ | UNT to Marsh Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.42384 | -75.95798 | North- moreland | Center Moreland | 72.55 | 10.22 | 0.0185 | 0.0026 | 0.1898 | 0.0234 | Gas | I | WT |
| 44, 45 | $\begin{gathered} \hline \text { WW-T82- } \\ 18007 \mathrm{~A} \end{gathered}$ | UNT to Marsh Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.42387 | -75.95736 | Northmoreland | Center Moreland | 78.54 | 10.26 | 0.0035 | 0.0004 | 0.0000 | 0.0000 | Gas | I | WT |
| $\begin{aligned} & 46,47, \\ & 48,49 \end{aligned}$ | $\begin{gathered} \text { WW-T76- } \\ 18002 \end{gathered}$ | UNT to Marsh Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.42390 | -75.95712 | Northmoreland | Center Moreland | 72.49 | 10.15 | 0.0141 | 0.0022 | 0.3098 | 0.0382 | Gas | I | WT |
| $\begin{aligned} & 50,51, \\ & 52,53 \end{aligned}$ | $\begin{gathered} \text { WW-T81- } \\ 18001 \end{gathered}$ | UNT to Marsh Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 41.42346 | -75.95352 | Northmoreland | Center Moreland | 81.18 | 10.56 | 0.0311 | 0.0042 | 0.1972 | 0.0292 | Gas | I | WT |


|  |  | 隻 | $\sqrt{5}$ | $5$ | $\begin{aligned} & 5 \\ & 3 \end{aligned}$ | $\sqrt{5}$ | $\sqrt{3}$ | $5$ | $\mathbb{Z}$ | $\frac{《}{Z}$ | 㞱 | 㞱 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Q | $\square$ | $\mapsto$ | $\mapsto$ | $\mapsto$ | － | $\mapsto$ | $\square$ | $>$ | $\mapsto$ | $\square$ |
|  |  | U |  | Uた | 胱 |  |  |  |  | $$ | שٌ | שٌ |
|  | （sa．ıon） <br> ฉэрдшш ұиәившиад | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 4 \\ & 0 \\ & \vdots \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { No } \\ & \text { ò } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & 0 \\ & \text { O} \\ & \text { O. } \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { H } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & - \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
|  | （sว．ı刀） <br> ฉэрдш Кцр．яодшәц | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { N } \\ & 0 \end{aligned}$ | $\begin{array}{\|l\|} \hline-1 \\ 7 \\ 7 \\ 0 \\ \hline \end{array}$ | $\circ$ <br> 8 | $$ | $\begin{aligned} & \circ \\ & \hline 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline 8 \\ & 0 \\ & \hline 0 \end{aligned}$ |  | $\begin{aligned} & \underset{0}{0} \\ & \underset{0}{0} \\ & \underset{0}{2} \end{aligned}$ | $\begin{aligned} & 0 \\ & \underset{1}{1} \\ & \vdots \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & \underset{O}{7} \\ & 0 \end{aligned}$ | $\begin{array}{\|c} \hline 0 \\ \stackrel{N}{7} \\ \underset{\sim}{0} \end{array}$ |
|  | （sวитр）раин ъэрдші ұиәиршлад | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { O } \\ & \text { O} \\ & 0 \\ & \hline \end{aligned}$ | $$ | 8 8 0 0 0 | N． $\stackrel{y}{8}$ 0 0 | $\begin{aligned} & \hline \stackrel{\rightharpoonup}{\circ} \\ & \text { on } \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $$ | 8 <br>  | $\begin{aligned} & \mathrm{N} \\ & \stackrel{\rightharpoonup}{0} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \text { O } \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  | （sәитр）ралн ъэрдші Кıр．ıодшวц | $\begin{aligned} & \hline 8 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { O. } \\ & \text { O } \end{aligned}$ | $\begin{aligned} & 20 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & -1 \\ & \vdots \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{N} \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { ron } \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ |
|  | （ұวəf）чұรึนวт sич̣ssoщ ұиәишшад | $\stackrel{O}{0}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & -1 \end{aligned}$ | $\begin{aligned} & \text { İ } \\ & \underset{\sim}{1} \end{aligned}$ | $\begin{aligned} & 0 \\ & \underset{\sim}{\infty} \\ & \underset{\sim}{\infty} \end{aligned}$ | $\begin{aligned} & \mathrm{N} \\ & \mathbf{N} \\ & \mathbf{O} \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \underset{\sim}{0} \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { O } \end{aligned}$ | $\begin{aligned} & \stackrel{\cong}{\stackrel{1}{2}} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { No } \\ & \text { O } \\ & \hline 1 \end{aligned}$ |
|  | （ұәдд）чұяиวт su！̣ssouว К．ıриоdwą | $\stackrel{O}{\circ}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{0} \\ & \underset{\sim}{-} \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 20 \\ & \stackrel{10}{1} \\ & \stackrel{0}{2} \end{aligned}$ | $\begin{gathered} \stackrel{N}{N} \\ - \end{gathered}$ | $\begin{aligned} & \text { 合 } \\ & \text { O } \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \stackrel{\rightharpoonup}{\mathrm{N}} \end{aligned}$ | $\begin{gathered} \bullet \\ \vdots \\ - \end{gathered}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{+} \\ & \stackrel{1}{2} \end{aligned}$ |
|  | วุรирррпб |  |  |  |  |  |  |  |  |  |  |  |
|  | （d？̣s <br>  |  |  |  |  |  |  |  |  |  | $\begin{gathered} \text { f } \\ \text { O} \\ \text { ran } \end{gathered}$ |  |
|  | арпұ！¢иот | 0 0 0 0 1 1 1 |  | $\begin{aligned} & \text { N } \\ & \text { o } \\ & 0 \\ & 0 \\ & \vdots \\ & 1 \\ & 1 \\ & \hline \end{aligned}$ | $\begin{array}{\|c} \hline \hat{0} \\ 0 \\ 0 \\ 0 \\ \vdots \\ \vdots \\ \end{array}$ | 0 0 0 0 0 1 1 1 | 0 20 0 0 0 1 1 1 | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \stackrel{0}{1} \\ & \hline \end{aligned}$ |  |  |  |  |
|  | әрпұ？ұрт | $\begin{aligned} & \text { H } \\ & \text { No } \\ & \text { Nu } \\ & \text { H } \end{aligned}$ | $\begin{array}{\|l\|l} 20 \\ \text { N } \\ \text { N } \\ \text { H } \\ \underset{子}{7} \end{array}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{0} \\ & \underset{\sim}{2} \\ & \underset{子}{7} \end{aligned}$ | $\begin{aligned} & 10 \\ & 0 \\ & 0 \\ & 0 \\ & 7 \\ & 7 \\ & 7 \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { O } \\ & \text { O} \\ & \text { H } \\ & \underset{子}{2} \end{aligned}$ |  |  |  |  |  |  |
|  |  |  | $\begin{aligned} & \text { 霛 } \\ & \sqrt{n} \\ & \end{aligned}$ |  | $\begin{aligned} & \text { 号 } \\ & \text { 等 } \end{aligned}$ | $\begin{aligned} & \text { 甹 } \\ & \sum_{n}^{2} \\ & \sqrt[y y y]{c} \end{aligned}$ |  | $\begin{aligned} & \text { 䛼 } \\ & \text { 菏 } \\ & B \end{aligned}$ |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | $\begin{aligned} & \text { Nं } \\ & \text { No } \\ & \text { Ho } \\ & \text { on } \end{aligned}$ |  |  |
|  |  | \％ | $\begin{aligned} & \hat{0} \mathrm{E} \\ & 0_{0}^{\circ} \hat{0} \end{aligned}$ | $\begin{aligned} & \mathfrak{N} \\ & \text { N } \\ & \text { N } \end{aligned}$ | $\begin{aligned} & \text { N゙N } \\ & \text { N゙ } \\ & \text { ざた } \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \underset{1}{2} \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ |  |  | OీOHRO | Bisoos |  |


|  |  | 炭 | $\stackrel{\varangle}{\boxed{z}}$ | $\stackrel{4}{z}$ | $\mid \stackrel{\boxed{z}}{z}$ | $\stackrel{4}{z}$ | $\stackrel{4}{Z}$ | $\stackrel{\boxed{z}}{z}$ | $\stackrel{\varangle}{Z}$ | $\stackrel{\boxed{z}}{z}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\stackrel{\circ}{\square}$ | \％ | $\stackrel{\circ}{\ddot{y}}$ | $\checkmark$ | － | $\checkmark$ | $\square$ | $\checkmark$ | $\square$ |
|  |  | $$ | $\begin{array}{\|c} \text { un } \\ \text { Nin } \end{array}$ | 范 |  |  | 採 | $$ | $\begin{aligned} & \text { un } \\ & \text { Nid } \end{aligned}$ | ๕ |
|  | （sว，วэn） ұə๖дші ұиәиршиəд | $\begin{aligned} & \infty \\ & \stackrel{\infty}{8} \\ & 0.0 \\ & 0.0 \end{aligned}$ | O |  | $\begin{aligned} & 0 \\ & \overrightarrow{0} \\ & 0 . \\ & 0 \end{aligned}$ |  |  | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
|  | （sว．up） ฉəрдші Кıрıодшәд |  | $\begin{aligned} & \hline \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \underset{\sim}{\mathrm{O}} \\ & \underset{0}{2} \end{aligned}$ | $\begin{aligned} & 0 \\ & \stackrel{0}{7} \\ & 0 \end{aligned}$ | $$ | $\begin{aligned} & \hline \stackrel{\theta}{0} \\ & \stackrel{\rightharpoonup}{0} \end{aligned}$ | 8 <br> 8. <br> 0. | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \hline \mathrm{O} \end{aligned}$ | $\begin{aligned} & \text { İ } \\ & \underset{y}{3} \end{aligned}$ |
|  | （sวıวn）рәин ฉэрдші ұиәиюш．дд | $\begin{gathered} \underset{\sim}{\infty} \\ \underset{0}{0} \\ \underset{0}{2} \end{gathered}$ | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 2 \\ & \stackrel{\rightharpoonup}{8} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 2 \times \\ & \hline 8 \\ & 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{0} \\ & 0 . \\ & 0 . \end{aligned}$ | 0 <br> 0.0 <br> 0. <br> 0 <br> 0 | $\begin{aligned} & \hline \stackrel{7}{8} \\ & 0 . \\ & \hline \end{aligned}$ | $\begin{aligned} & \ddot{Z} \\ & 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \stackrel{\circ}{0} \\ & 0 . \\ & \hline 0 \end{aligned}$ |
|  |  <br>  | $$ | $\begin{aligned} & \text { Now } \\ & \text { Nob } \\ & 0 . \end{aligned}$ | $\begin{aligned} & \text { O} \\ & \text { O. } \\ & 0 . \end{aligned}$ | $\begin{array}{\|c} \mathbf{N} \\ \text { No } \\ \text { O. } \end{array}$ | $\begin{aligned} & 0 \stackrel{0}{0} \\ & \underset{0}{0} \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { O} \\ & \stackrel{0}{C} \\ & 0 \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \infty \\ & 0.8 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  |
|  |  <br>  | $\begin{aligned} & \text { I. } \\ & \underset{\sim}{4} \end{aligned}$ | $\stackrel{\circ}{\circ}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{0} \\ & \underset{\sim}{\prime} \end{aligned}$ | $\begin{aligned} & 8 . \\ & 0 . \\ & -8 \end{aligned}$ | $\begin{aligned} & \stackrel{\sim}{0} \\ & \text { ì } \end{aligned}$ | $\begin{aligned} & \infty \\ & \stackrel{\rightharpoonup}{0} \\ & \hline-1 \end{aligned}$ | $\stackrel{\circ}{\circ}$ | $\begin{aligned} & \underset{\sim}{0} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \otimes \\ & \underset{\sim}{2} \\ & \end{aligned}$ |
|  | （ғәә）чұรиәт sulssou，K．ıD．ıoduzL | $\begin{array}{\|c} \hline 1 \\ \dot{8} \\ \text { in } \end{array}$ | $\begin{aligned} & \text { or } \\ & \text { in } \\ & \text { in } \end{aligned}$ | $\begin{gathered} \stackrel{\circ}{\circ} \\ \stackrel{\circ}{\circ} \end{gathered}$ | $\begin{aligned} & \stackrel{8}{6} \\ & \stackrel{6}{6} \end{aligned}$ | $\underset{\underset{N}{\infty}}{\underset{\sim}{\infty}}$ | $\begin{gathered} \underset{\sim}{\circ} \\ \underset{\sim}{\circ} \end{gathered}$ |  | $\begin{gathered} \text { H. } \\ \stackrel{\theta}{\circ} \end{gathered}$ |  |
|  |  |  |  |  |  |  |  |  | $\begin{aligned} & \text { 恄 } \\ & \text { did } \\ & \text { an } \\ & \hline \end{aligned}$ |  |
|  | $\begin{aligned} & \text { (d?YsumoL) } \\ & \text { א!? } \end{aligned}$ |  |  | $\begin{array}{\|l\|l} \stackrel{2}{1} \\ \text { an } \end{array}$ | $\begin{array}{\|l\|l} \stackrel{2}{2} \\ \underset{\sim 1}{\sim} \end{array}$ | $\begin{array}{\|l\|l} \stackrel{2}{2} \\ \underset{\sim}{\sim} \end{array}$ |  | $\begin{array}{\|l} \stackrel{2}{2} \\ \text { 邻 } \end{array}$ |  |  |
|  | әрпп！ธиот |  |  |  | $\begin{aligned} & \text { I } \\ & \ddot{0} \\ & \infty \\ & \infty \\ & \stackrel{0}{~} \end{aligned}$ | $\begin{aligned} & \text { on } \\ & \\ & \infty \\ & \infty \\ & \\ & \end{aligned}$ |  | $$ |  |  |
|  | әрпп？${ }^{\text {PDT }}$ |  |  |  |  | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & \hline \\ & \underset{子}{子} \\ & \dot{子} \end{aligned}$ |  |  | $\begin{aligned} & \text { İ } \\ & \stackrel{\rightharpoonup}{4} \\ & \underset{4}{4} \end{aligned}$ |  |
|  |  | 留 |  |  |  |  |  |  |  |  |
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|  |  | $\stackrel{U}{\mathrm{Z}}$ | 《 | 㞱 | $\stackrel{《}{\mathrm{Z}}$ | $\stackrel{F}{3}$ | $\stackrel{F}{3}$ | 《 | 㞱 | $\stackrel{U}{\mathrm{Z}}$ | $\stackrel{U}{\mathrm{Z}}$ |
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|  |  | $\stackrel{ }{ } \stackrel{ }{ }$ | $\longmapsto$ | ＞ | － | $\square$ | $Z$ | $\square$ | $\mapsto$ | $Z$ | $\square$ |
|  | ${ }_{q}{ }^{\text {ad＾}}$ L Sụssou， |  |  |  |  |  | In |  | 泡 | $\begin{array}{\|c} \mid \underset{\sim}{2} \\ \text { だ } \end{array}$ | Iた |
|  | （sวıวр） <br> ъэрдші ұидиршлад | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 . \\ & 0 . \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { O} \\ & \text { N } \\ & \text { O. } \\ & \mathbf{O} \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { O } \\ & \text { O. } \\ & 0 . \end{aligned}$ | $\begin{aligned} & \text { on } \\ & \text { た } \\ & \text { ón } \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 8 \\ & \hline 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & -2 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { O. } \\ & \text { O. } \\ & \hline \mathbf{O} \end{aligned}$ |
|  | （sว．⿰㇒⿻二丨冂） <br> ฉэрдшı Кıрıодшац | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \stackrel{0}{8} \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline \mathrm{O} \\ & \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{array}{\|l\|} \hline N \\ \stackrel{N}{0} \\ \text { N } \\ 0 \end{array}$ | $\begin{aligned} & 0 \\ & 0 \\ & \text { O } \\ & \text { N} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|c} \hline 4 \\ 0 \\ \vdots \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & \hline \end{aligned}$ | $$ | $\begin{array}{\|l} \hline \underset{y}{7} \\ \vdots \\ 0 \\ 0 \end{array}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & \text { O } \\ & 0 \\ & 0 \end{aligned}$ |
|  | （sวıวр）рәин ээрдшш ұиаиршиад | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { O} \\ & \text { O} \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { O. } \\ & 0 \end{aligned}$ | $\begin{array}{\|l\|l} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { § } \\ & \text { O. } \\ & \text { O} \end{aligned}$ | $\begin{aligned} & \mathrm{N} \\ & \stackrel{y}{0} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{array}{\|l\|l} \hline 28 \\ 0 \\ 8 \\ 0 \\ \hline \end{array}$ |
|  | （sәиэд）ралн ъэрдші Кириодшдц | $\begin{aligned} & 20 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & \stackrel{0}{0} \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { N } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \underset{\sim}{0} \\ & \underset{0}{2} \end{aligned}$ | $\begin{array}{\|l\|} \hline 20 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \mathrm{O} \\ & \hline 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|l} \infty \\ \infty \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ |
|  | （ұวдf）чұяиวт <br>  | $\begin{aligned} & \circ \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { Nㅡㄹ } \\ & =1 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \underset{~}{\text { O}} \\ & \underset{\sim}{\prime} \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \underset{\sim}{1} \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & \infty \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { Le } \\ & \stackrel{1}{0} \\ & 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { U } \\ & 0 . \\ & 0 \end{aligned}$ |
|  | （ұәдf）чұяиวт su！̣ssoū К．ıриодшдц |  | $\begin{aligned} & \infty \\ & \infty \\ & 0 \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ |  | $\begin{aligned} & \underset{\sim}{\lambda} \\ & \text { i } \end{aligned}$ | $\stackrel{\text { H }}{\underset{\sim}{\underset{~}{~}}}$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 20 \\ & \infty \\ & \end{aligned}$ | $\begin{aligned} & \text { Lo } \\ & \text { N } \\ & \text { 子 } \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & -\infty \\ & \infty \\ & \end{aligned}$ |
| $\begin{aligned} & \text { N } \\ & \text { 気 } \\ & \text { By } \end{aligned}$ | д๐ธนрррпб |  |  |  |  |  |  |  |  |  |  |
|  | $\begin{gathered} \text { (d!ysumoz }) \\ \text { אt!pd!?!un } \end{gathered}$ |  | $\begin{aligned} & \stackrel{\rightharpoonup}{\mathrm{u}} \\ & \underset{\sim}{\mathrm{a}} \end{aligned}$ |  |  | $\begin{aligned} & \text { I } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { O } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { च } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  |  |
|  | әрпұ！®иот | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \stackrel{0}{N} \end{aligned}$ | $\begin{array}{\|l\|} \hline \cong \\ \text { i0 } \\ 0 \\ 0 \\ 0 \\ 10 \\ 1 \end{array}$ | $\infty$ 0 0 0 0 0 1 1 1 |  |  | 4 0 0 0 0 0 0 10 1 | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \stackrel{0}{\perp} \end{aligned}$ |  | 4 10 N N 10 1 1 |  |
|  | әрпұ？ұрт |  | $\begin{aligned} & -{ }^{-1} \\ & \text { N } \\ & 0 \\ & 0 \\ & \underset{子}{7} \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { on } \\ & \text { on } \\ & 0 \\ & \text { - } \end{aligned}$ | $\begin{aligned} & \text { io } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \text { ju } \end{aligned}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{1} \\ & \underset{1}{2} \\ & \vdots \\ & \underset{j}{2} \end{aligned}$ | $\begin{aligned} & \text { on } \\ & \text { N } \\ & \text { N } \\ & \text { O } \\ & \text { 子 } \end{aligned}$ | $\begin{aligned} & \text { O} \\ & \text { 丸 } \\ & \text { N } \\ & \text { N } \\ & \text { - } \end{aligned}$ |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 子 \\ & \hline \end{aligned}$ | 0 <br> 0 <br> 0 <br> 0 <br> 0 |
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|  | иопұрэу！ұиарI шраия |  |  | $\begin{aligned} & \text { H } \\ & \text { N } \\ & \text { N1 } \\ & \text { B } \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ |  |  |  |  |  |  |  |
|  |  | $\stackrel{+1}{6}$ | ம⿵⺆⿻二丨冂巾 | $\underset{-1}{\infty}$ | NㅗNがNNN |  | $\underset{\sim}{\infty}$ | $\begin{aligned} & \stackrel{\infty}{\infty} \underset{\sim}{\infty} \underset{\sim}{\infty} \\ & \hline 1 \end{aligned}$ |  | $\stackrel{\rightharpoonup}{\mathrm{O}}$ | OiసiNo |


|  |  | \％ | $\Sigma$ | $\Sigma$ | $\underset{\sim}{\sim}$ | $\stackrel{\boxed{Z}}{\underset{Z}{2}}$ | $\stackrel{4}{Z}$ |
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|  |  | $\lambda$ | $\square$ | $\square$ | $\checkmark$ | $\checkmark$ | $\square$ |
|  |  | ษู่ | 皆 |  | $$ | \％ | ๕ู |
|  | （sว，วŋn） <br>  | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \mathrm{O} \\ & \mathrm{O} \end{aligned}$ | $\begin{aligned} & \text { 창 } \\ & \text { O } \end{aligned}$ |  | $\begin{aligned} & 8 \\ & \hline 8 \\ & 0.0 \end{aligned}$ | $\begin{aligned} & \text { 등 } \\ & \text { Oid } \\ & 0 . \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ |
|  | （sว．んวn） ฉวロdwi Kıı．ıodua $L$ | $\begin{aligned} & \hline 8 \\ & \text { O} \\ & \text { Mín } \end{aligned}$ | $\begin{aligned} & \text { No } \\ & \text { 人 } \\ & \text { H} \end{aligned}$ |  | $\circ$ <br> 0 <br> 0 <br> 0 | $\begin{aligned} & \hline \ddot{\circ} \\ & \stackrel{\circ}{0} \\ & \stackrel{0}{0} \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { I } \\ \text { ä } \\ \text { O } \end{array}$ |
|  | （sวлэр）раин ฉэрдші ұиәиьшләд | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 . \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { İ } \\ & \text { d } \\ & \text { ón } \end{aligned}$ | $\begin{array}{\|l} \hline \text { O } \\ \text { O } \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & 0 \\ & \stackrel{0}{8} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline \text { O} \\ & \text { O} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline 20 \\ 8 \\ 8 \\ \hline \end{array}$ |
|  | （sวaวn）ра．и <br>  | $\begin{aligned} & 8 \\ & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & \stackrel{0}{7} \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \text { a } \\ & \text { ob } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Nän } \\ & \stackrel{0}{0} \\ & 0 \end{aligned}$ |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
|  | （дәә）чұяиวт รи！งsoщว ұиәиршидд | $\stackrel{\circ}{\circ}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline \infty \\ & \stackrel{\infty}{\bullet} \\ & \stackrel{\rightharpoonup}{0} \end{aligned}$ | $\begin{aligned} & 0 \\ & \stackrel{0}{20} \end{aligned}$ | $\stackrel{\cong}{\stackrel{N}{\circ}}$ | $\begin{array}{r} 8 \\ \stackrel{8}{9} \end{array}$ |
|  |  <br>  | $\stackrel{\circ}{\circ}$ | $\underset{\substack{\underset{\sim}{\sim} \\ \hline \\ \hline}}{ }$ | $\begin{array}{\|l\|} \hline \underset{\sim}{\sim} \\ \stackrel{\rightharpoonup}{\sim} \end{array}$ | $\begin{array}{\|l\|l} \substack{\text { en } \\ \stackrel{N}{N}} \end{array}$ | $\begin{array}{\|l\|l} \text { N } \\ \stackrel{y}{\circ} \end{array}$ | $\begin{aligned} & \text { n } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
|  | วงรup．ppn¢ |  |  |  |  |  | 寅涼 |
|  | $\begin{aligned} & \text { (d!ysumoL) } \\ & \text { א!?ipd?p?unu } \end{aligned}$ |  | $\begin{aligned} & \text { 宕 } \\ & .: H \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \text { 首 } \\ & : \underset{0}{3} \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { 右 } \\ \text { 号 } \end{array}$ | 䓓 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  | $\begin{aligned} & \text { in } \\ & 0 \\ & 0 \\ & 0 \\ & \underset{y}{4} \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & 0 \\ & 0 \\ & 0 \\ & \underset{y}{4} \end{aligned}$ |  |
|  |  |  |  |  |  |  | 思 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | $\begin{aligned} & \text { 客 } \\ & \text { 家会 } \end{aligned}$ |
|  |  | ిiN | ôono |  | 오ํㅓN |  | ๙iが |


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|  |  | $ص$ | $Z$ | $\square$ | $\leftharpoondown$ | $\square$ | $\square$ |
|  | $q^{\text {ad＾＿}}$ L sụssou， | デ | 登 | だ | U |  | だ |
|  | （sวиวр） <br> ъэрдші ұиәиршләд | $\begin{aligned} & \text { O. } \\ & \text { స్ } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 8 \\ & \hline 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { O. } \\ & \hline \end{aligned}$ | $\begin{aligned} & 20 \\ & \text { N } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & \text { N. } \\ & \text { o. } \\ & 0 . \end{aligned}$ | $\begin{aligned} & \text { ๗. } \\ & \text { స్ } \\ & \text { o. } \end{aligned}$ |
|  | （sวuวn） <br> ฉэрдшı Кıрıодшац | $\begin{aligned} & \text { ơ } \\ & \text { + } \\ & \text { N+ } \end{aligned}$ | $\begin{aligned} & \text { H1 } \\ & \text { O } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline \infty \\ & \text { in } \\ & \text { Ni } \\ & 0 \end{aligned}$ | $\begin{gathered} \infty \\ \\ \underset{\sim}{N} \\ 0 \end{gathered}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \stackrel{0}{0} \end{aligned}$ | $\begin{aligned} & \text { op } \\ & \text { N్ } \\ & \text { N̦ } \end{aligned}$ |
|  | （sว．ит）ралн ъэрдші ұиәиршләд | $\begin{array}{\|l} \hline \infty \\ 0 \\ 0 . \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & \stackrel{3}{8} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { No } \\ & \text { O} \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \hline \text { N } \\ & \text { O} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { H } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
|  | （sәитр）раин ъэрдшı К．ı．ıодшац | $\begin{array}{\|l\|l} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { N } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { O. } \\ & \text { O. } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline-1 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \text { H } \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  | （ұәд）чұяиวт <br> su！̣sощว ұиәиршид | $\begin{aligned} & 0 . \\ & 0 . \\ & \hline 1 \end{aligned}$ | $\begin{aligned} & 0 . \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 9 \\ & \stackrel{9}{0} \end{aligned}$ | $\stackrel{\infty}{\infty}$ | $\begin{aligned} & \underset{\sim}{N} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { H. } \\ & 0 . \\ & \hline ⿴ 囗 ⿱ 一 一 ~ \end{aligned}$ |
|  | （дәдд）чұяиวт <br>  | $$ | $0 .$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{\infty} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Yo } \\ & \substack{\circ \\ \hline} \end{aligned}$ | $$ | $$ |
|  | วฺ๐ทиррпб |  |  |  |  |  |  |
|  | $\begin{gathered} \text { (d!ysumo } L \text { ) } \\ \text { אұ?!pd?o?unW } \end{gathered}$ | $\begin{aligned} & \text { 宕 } \\ & \text { d } \\ & \text { n } \end{aligned}$ | $\begin{aligned} & \text { 宕 } \\ & \text { : } \\ & \text { 1 } \end{aligned}$ | $\begin{aligned} & \text { 宕 } \\ & \text { d } \\ & \text { j} \end{aligned}$ | $\begin{array}{\|l} \hline \text { g } \\ \text { on } \\ \text { d } \\ \text { İ } \\ \text { Z } \end{array}$ | $\begin{array}{\|l} \hline \text { z } \\ \text { on } \\ \text { on } \\ \text { İ } \\ \text { Z } \end{array}$ |  |
|  | арпұ！яиот |  |  |  | $\stackrel{-7}{\stackrel{2}{N}} \stackrel{1}{\wedge}$ |  | O <br> 8 <br> $\stackrel{8}{6}$ <br> $\stackrel{1}{1}$ <br> 1 |
|  | ${ }^{\text {арпұ？}}$ т | $\begin{aligned} & \text { N } \\ & \underset{H}{+} \\ & \text { O } \\ & \underset{子}{0} \end{aligned}$ | $$ |  | H N § O － | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & j \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|l} 20 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ |
|  |  <br>  |  | $\begin{aligned} & \text { 渋 } \\ & \text { 感 } \end{aligned}$ |  |  |  | $\begin{aligned} & \text { 䛼 } \\ & \text { 令 } \\ & \vdots \end{aligned}$ |
|  | วшшก шрวıтS |  |  |  |  |  |  |
|  |  | $\begin{aligned} & \text { O} \\ & \text { H } \\ & \text { B } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  | $\begin{aligned} & \text { 'i N } \\ & \text { 10 } \\ & \text { 10 } \\ & 0 \end{aligned}$ |  |  |  |
|  |  |  | $\underset{\sim}{\sim}$ | ÔN゙がが | ONNM |  | $\text { No }{ }^{10}{ }^{1}$ |


| Identification |  |  |  | Location |  |  |  | Stream Impacts |  |  |  | Floodway <br> Impacts |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { む } \\ & \text { z } \\ & \text { z } \\ & \text { हु } \\ & 0.0 \\ & 0 \end{aligned}$ |  |  |  |  |  |  |  |  |  |  |  |  | Crossing Method ${ }^{c}$ |  |
| $\begin{aligned} & 268, \\ & 269, \\ & 270, \\ & 271 \end{aligned}$ | $\begin{gathered} \text { WW-T19- } \\ 20001 \end{gathered}$ | UNT to Tunkhannock Creek | CWF, MF | 41.61876 | -75.76078 | Nicholson | Factoryville | 75.18 | 11.83 | 0.0397 | 0.0057 | 0.0896 | 0.0110 | Gas | I | N/A |
| $\begin{aligned} & 272, \\ & 273, \\ & 274, \\ & 275 \end{aligned}$ | $\begin{gathered} \text { WW-T54- } \\ 21001 \end{gathered}$ |  | TSF, MF | 41.62682 | -75.76035 | Nicholson | Hop Bottom | 142.23 | 10.14 | 0.3552 | 0.0263 | 4.3227 | 0.4952 | Gas | I | N/A |
| $\begin{aligned} & \hline 280, \\ & 281, \\ & 282, \\ & 283 \end{aligned}$ | $\begin{gathered} \text { WW-T57- } \\ 21003 \end{gathered}$ | UNT to Tunkhannock Creek | CWF, MF | 41.63712 | -75.76663 | Nicholson | Hop Bottom | 67.39 | 10.57 | 0.0146 | 0.0025 | 0.1663 | 0.0227 | Gas | I | N/A |
| $\begin{aligned} & \hline 288, \\ & 289, \\ & 290, \\ & 291 \end{aligned}$ | $\begin{gathered} \text { WW-T57- } \\ 21002 \end{gathered}$ | UNT to Tunkhannock Creek | CWF, MF | 41.63853 | -75.76406 | Nicholson | Hop Bottom | 86.80 | 11.80 | 0.0308 | 0.0016 | 0.2195 | 0.0275 | Gas | I | N/A |
| 295 | $\begin{gathered} \text { WW-T10- } \\ 20001 \end{gathered}$ | UNT to South Branch Tunkhannock Creek | CWF, MF | 41.58758 | -75.78822 | Clinton | Factoryville | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.1296 | 0.0000 | $\begin{array}{\|l\|} \hline \text { TEMP } \\ \text { RD } \end{array}$ | IV | N/A |
|  |  |  |  |  |  |  | Totals | 4492.33 | 563.74 | 8.2678 | 0.3918 | 18.9162 | 1.6906 |  |  |  |

[^8]APPENDIX 1—Project Impacts
Wetland Impact Table: Wyoming County

| Identification |  | Location |  |  |  | Wetland Impacts |  |  |  |  |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  | $$ |  |  |
|  |  |  |  |  |  | PFO | PSS | PEM | PFO | PSS | PEM |  |  |  |
| $\underset{8}{1,2,7}$ | W-T76-18009 | 41.39561 | -75.98373 | Monroe | Center Moreland | 0.0903 | 0.0000 | 0.0596 | 0.0660 | 0.0000 | 0.0057 | GAS | I | EV |
| 9, 10 | W-T76-18007 | 41.39737 | -75.98491 | Monroe | Center Moreland | 0.0000 | 0.0000 | 0.0189 | 0.0000 | 0.0000 | 0.0067 | GAS | I | Other |
| $\begin{array}{\|l} \hline 15,16, \\ 17,18 \\ \hline \end{array}$ | W-T81-18001 | 41.40743 | -75.98890 | Monroe | Center Moreland | 0.0000 | 0.0148 | 0.0353 | 0.0000 | 0.0034 | 0.0042 | GAS | I | EV |
| 23 | $\begin{aligned} & \hline \text { W-T82-18005A-1/ } \\ & \text { W-T82-18005A-2 } \end{aligned}$ | 41.42064 | $-75.98345$ | Monroe | Center Moreland | 0.0000 | 0.0000 | 0.0050 | 0.0000 | 0.0000 | 0.0000 | GAS | IV | EV |
| 33, 34 | W-T82-18003 | 41.42587 | $-75.97658$ | Monroe | Center Moreland | 0.0000 | 0.0000 | 0.0611 | 0.0000 | 0.0000 | 0.0110 | GAS | I | EV |
| 39 | $\begin{gathered} \text { W-T83-18001/ } \\ \text { W-T83-18001-1 } \end{gathered}$ | 41.42364 | -75.95897 | Northmoreland | Center Moreland | $<0.0001$ | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | GAS | IV | EV |
| $54,55,$ $56,57$ | W-T81-18003 | 41.42325 | -75.95238 | Northmoreland | Center Moreland | 0.2823 | 0.0000 | 0.0136 | 0.2285 | 0.0000 | 0.0002 | GAS | I | EV |
| 58 | W-T82-18007 | 41.42347 | -75.94941 | Northmoreland | Center Moreland | 0.0000 | 0.0000 | 0.0239 | 0.0000 | 0.0000 | 0.0000 | GAS | IV | Other |
| $\begin{array}{\|l} 59,60 \\ 61,62 \end{array}$ | W-T82-18006 | 41.42371 | -75.94869 | Northmoreland | Center Moreland | 0.1342 | 0.0000 | 0.1605 | 0.1307 | 0.0000 | 0.0150 | GAS | I | Other |
| 64, 65, 66, 67 | W-T76-18005 | 41.42575 | -75.93528 | Northmoreland | Center Moreland | 0.0000 | 0.1429 | 0.0725 | 0.0000 | 0.0148 | 0.0121 | GAS | I | EV |
| $\begin{gathered} 80,81, \\ 82 \end{gathered}$ | W-T69-18002 | 41.42633 | $-75.93060$ | Northmoreland | Center Moreland | 0.1176 | 0.0000 | 0.0066 | 0.0805 | 0.0000 | 0.0000 | GAS | I | EV |
| 85 | W-T08-18001 | 41.43617 | -75.93162 | Northmoreland | Center Moreland | 0.0000 | 0.0000 | $<0.0001$ | 0.0000 | 0.0000 | 0.0000 | GAS | IV | Other |
| $\begin{array}{\|c} 86,87, \\ 88,89 \\ 90 \end{array}$ | W-T05-18002 | 41.43791 | -75.93090 | Northmoreland | Center Moreland | 0.0005 | 0.0156 | 0.0757 | 0.0000 | 0.0020 | 0.0089 | GAS | I | EV |


|  |  |  | 分 | $\begin{array}{\|c} \stackrel{0}{0} \\ \underset{\sim}{0} \end{array}$ | $\begin{aligned} & \tilde{0} \\ & \mathbb{0} \\ & \hline \end{aligned}$ | $\begin{array}{\|c} \tilde{0} \\ \tilde{0} \end{array}$ | $\begin{gathered} \tilde{0} \\ \mathbb{0} \end{gathered}$ | $\begin{gathered} \tilde{0} \\ \mathbb{0} \\ \hline \end{gathered}$ | $\begin{gathered} \tilde{0} \\ \mathbb{0} \end{gathered}$ | $\begin{aligned} & \tilde{0} \\ & \mathbb{0} \\ & \hline \end{aligned}$ | $\begin{array}{\|c} \tilde{0} \\ \underset{\sim}{0} \end{array}$ | $\begin{gathered} \tilde{0} \\ \mathbb{0} \end{gathered}$ | $\begin{array}{\|c} \stackrel{0}{0} \\ \underset{\sim}{0} \end{array}$ | $\begin{aligned} & \overleftarrow{\#} \\ & \widetilde{\#} \end{aligned}$ | $\begin{gathered} \tilde{0} \\ \mathbb{0} \\ \hline \end{gathered}$ | \％ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\neg$ | $\checkmark$ | $\checkmark$ | $\stackrel{\square}{\square}$ | $\checkmark$ | $\square$ | $\checkmark$ | $\square$ | $\square$ | 2 | $\square$ | $\square$ | $\square$ | $\checkmark$ |
|  |  |  | 荷 | $\underset{\substack{4 \\ \hline \multirow{2}{*}{\hline}\\ \hline}}{2}$ | 荷 | 荷 | 杂 | 恣 | 荷 | 杂 | 杂 | 杂 | 荷 | 式 | 恣 | 华 |
|  |  <br>  | 良 | $\begin{aligned} & \hline \stackrel{\circ}{6} \\ & \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{gathered} \stackrel{N}{N} \\ \stackrel{N}{0} \end{gathered}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { æờ } \\ & \hline 0 . \\ & \hline 0.0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & 0.8 \\ & 0 . \end{aligned}$ | $\begin{aligned} & \text { 名 } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { oí } \\ & 0 . \\ & 0 . \end{aligned}$ | $\begin{aligned} & \text { 20 } \\ & 0 \\ & 00 \\ & 0.0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \mathrm{O} \\ & \mathrm{O} \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8.8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline \stackrel{0}{8} \\ & 0.0 \\ & 0 . \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \stackrel{8}{\mathrm{O}} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 20 \\ & 0.0 \\ & 0 . \\ & 0 \end{aligned}$ |
|  |  | $\left\|\begin{array}{l} y_{2} \\ y_{2} \end{array}\right\|$ | O | O | $\begin{aligned} & 8 \\ & \hline 8.0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{gathered} \text { on } \\ \text { ob } \\ \text { ob } \end{gathered}$ | O | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline \mathrm{O} \\ & \mathrm{O} \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \mathscr{D} \\ & \underset{O}{\circ} \\ & \underset{-1}{2} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ |
|  |  | $\left\lvert\, \begin{aligned} & 0 \\ & 2 \\ & 2 \end{aligned}\right.$ | O. | $\begin{aligned} & \circ \\ & \hline \mathrm{O} \\ & \mathrm{O} \\ & \hline \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{2} \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 8 \\ & 0 \\ & 0 \end{aligned}$ | O | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline \mathrm{O} \\ & \mathrm{O} \\ & \hline \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | 응 | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ |
|  | （sзıлр）раин ฉэрдші Кıриодшац | $\left\lvert\, \begin{array}{\|c\|} \mathbb{N a} \\ \mathbb{N} \end{array}\right.$ | $\begin{aligned} & \text { O} \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \underset{\sim}{\mathcal{A}} \\ & \underset{\sim}{0} \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{gathered} 0 \\ 0 \\ 0.0 \\ 0.0 \end{gathered}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0.0 \\ & 0.0 \\ & 0 \end{aligned}$ | $\begin{gathered} \underset{\sim}{\underset{\sim}{2}} \\ \underset{\sim}{0} \end{gathered}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & 0 . \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 . \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { 肙 } \\ & \stackrel{i}{4} \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { Non } \\ & 0.0 \\ & 0.0 \end{aligned}$ | $\begin{aligned} & 20 \\ & 7 \\ & 7 \\ & \hline 0 \end{aligned}$ |
|  |  | $\left\|\begin{array}{l} y_{2} \\ V_{2} \end{array}\right\|$ | O. | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8.8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 8.8 \\ & \hline 0 . \end{aligned}$ | $\begin{gathered} \\ \stackrel{0}{0} \\ 0 \end{gathered}$ | O | O | O | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \circ \\ & 0.8 \\ & 0 . \\ & 0 . \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{7} \\ & \underset{0}{2} \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0.0 \\ & \hline 0.0 \end{aligned}$ | \％ |
|  |  | $\left\|\begin{array}{l} 0 \\ 2 \\ 2 \end{array}\right\|$ | 응 | $\begin{aligned} & \hline 8 \\ & 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & \mathbb{E} \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | O8 | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8.8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{gathered} \infty \\ \underset{N}{N} \\ \underset{0}{2} \end{gathered}$ | $\stackrel{8}{\circ}$ | $\begin{aligned} & 8 \\ & \hline 8.8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & 8 \\ & \hline 8 \\ & \hline \end{aligned}$ |
|  | วฺธириррпб |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 鹪 |
|  | （diysumoL） <br>  |  |  |  |  | $\left\lvert\, \begin{aligned} & \stackrel{y}{2} \\ & \underset{\sim 1}{*} \end{aligned}\right.$ | $\stackrel{\text { n }}{\stackrel{y}{\sim}}$ |  |  |  | $\begin{array}{\|l\|l} \stackrel{2}{2} \\ \\ \end{array}$ |  |  |  | $\left\lvert\, \begin{aligned} & \stackrel{y}{2} \\ & \underset{\sim}{*} \end{aligned}\right.$ | 范 |
|  |  |  |  |  |  |  | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \stackrel{\rightharpoonup}{\circ} \end{aligned}$ |  | $\begin{aligned} & \stackrel{\rightharpoonup}{7} \\ & \underset{\sim}{\infty} \\ & \stackrel{\infty}{n} \\ & \stackrel{\rightharpoonup}{i} \end{aligned}$ |  |  |  |  |  | $$ | 管 |
|  | วрпұ？${ }^{\text {²p }}$ T |  |  |  | $\begin{aligned} & \text { in } \\ & \stackrel{0}{0} \\ & \stackrel{y}{4} \\ & \dot{7} \end{aligned}$ | $\begin{aligned} & \stackrel{n}{2} \\ & 0 \\ & \underset{\sim}{\infty} \\ & \underset{7}{2} \end{aligned}$ |  |  |  |  |  |  | $\begin{aligned} & \stackrel{\rightharpoonup}{8} \\ & \underset{子}{\underset{子}{4}} \\ & \underset{子}{2} \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \underset{子}{f} \end{aligned}$ | $\begin{aligned} & 8 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 7 \end{aligned}$ | ＋ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 析 |
|  |  |  | $\left\lvert\, \begin{aligned} & 8 \\ & 8 \\ & 8 \end{aligned}\right.$ | －is | －${ }^{\circ}$ | FiN | －1／ | がが | ®0ํㅜㄱ | － | 䒫芢 | 200 | ボ！ |  | 旬号 | $\stackrel{\text { ® }}{\sim}$ |


|  |  ритрұам дұрұя |  | $$ | $\begin{gathered} \tilde{y} \\ \tilde{0} \\ \hline 0 \end{gathered}$ | $\begin{array}{\|c} \dot{む} \\ \underset{\sim}{0} \end{array}$ | $$ | $\begin{gathered} \dot{む} \\ \underset{\sim}{0} \end{gathered}$ | $$ | $$ | $$ | $$ | $\begin{gathered} \dot{む} \\ \text { む } \\ \hline \end{gathered}$ | $\begin{gathered} \tilde{J} \\ \tilde{0} \\ \hline \end{gathered}$ | $\begin{gathered} \tilde{\Xi} \\ \text { む } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\mapsto$ | 相 | $\square$ | $\rightarrow$ | $\square$ | 回 | $\square$ | $\square$ | 公 | $\square$ | $\mapsto$ | $\downarrow$ |
|  | ${ }_{q}{ }^{\text {ad＾}}$ L supssou， |  | 氐 | だ | 氐 | 氐 | 令 | $\underset{\text { Uુ }}{\substack{\text { N } \\ \hline}}$ | 氐 |  | 氐 | 氐 | だ |  |
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|  |  | $\begin{aligned} & \mathscr{V} \\ & \mathscr{R} \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 8 \\ & \hline 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 8 \\ & \hline . \\ & \hline- \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline \\ & \hline \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { ొo } \\ & \text { O} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & \hline 0 \\ & 0 \\ & \hline \end{aligned}$ | N $\stackrel{N}{N}$ 0 | $\begin{aligned} & \circ \\ & \hline 0 \\ & \hline 0 \end{aligned}$ |
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|  | арпч！sиот |  | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \infty \\ & 1 \\ & 1 \\ & 1 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \underset{\sim}{2} \\ & \infty \\ & \underset{\sim}{1} \\ & \hline \end{aligned}$ |  |  |  | $$ | $\begin{aligned} & 1 \\ & -1 \\ & 0 \\ & 0 \\ & 0 \\ & 1 \\ & 1 \\ & 1 \end{aligned}$ |  |  | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \underset{\sim}{\infty} \\ & \stackrel{0}{1} \\ & 1 \end{aligned}$ |  |  |
|  | әрпұ？ұт |  |  |  |  | $\begin{aligned} & \text { H } \\ & \text { O } \\ & \text { 人 } \\ & \text { H } \\ & \text { 子 } \end{aligned}$ | $\circ$ <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 <br> 7 | 7 0 0 0 0 7 | 0 0 0 $\underset{7}{7}$ |  |  |  |  | a $\stackrel{y}{+}$ 0 0 $\square$ |
|  |  |  | $\begin{aligned} & \text { N } \\ & \text { O} \\ & \text { on } \\ & \cdots \\ & \text { N } \\ & \underset{1}{1} \\ & B \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \cdots \\ & \text { N } \\ & \underset{1}{1} \\ & B \end{aligned}$ |  |  | $\begin{aligned} & \text { H } \\ & \text { O} \\ & \text { on } \\ & \text { N } \\ & \underset{A}{1} \\ & \underset{1}{3} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \text { o } \\ & \text { N } \\ & \underset{1}{1} \\ & \underset{1}{3} \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { O} \\ & \text { N } \\ & \text { I } \\ & \underset{1}{1} \\ & 1 \\ & B \end{aligned}$ |  |  |  |  | $\begin{aligned} & \text { N } \\ & 0 \\ & 0 \\ & \text { N } \\ & 1 \\ & 1 \\ & 1 \\ & 1 \\ & 1 \\ & 1 \end{aligned}$ |
|  |  |  | ${\underset{\sim}{\infty}}_{\infty}^{\infty}$ | ベかった $\stackrel{\infty}{\sim} \stackrel{\infty}{\sim}{ }_{\sim}^{\infty}$ | No | Nio | ボLO N్N | $\begin{aligned} & \text { N゙セ } \\ & \text { NA } \end{aligned}$ | $\begin{aligned} & \text { ボㄴ } \\ & \text { N } \end{aligned}$ | N్Nָ |  | 〇్ఞ స్ స్ |  | $\begin{aligned} & \text { ボLO } \\ & \text { N } \end{aligned}$ |


| Identification |  | Location |  |  |  | Wetland Impacts |  |  |  |  |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | PFO | PSS | PEM | PFO | PSS | PEM |  |  |  |
| $\begin{aligned} & 262, \\ & 263, \\ & 264, \\ & 265 \end{aligned}$ | W-T65-20001 | 41.61132 | -75.76020 | Nicholson | Factoryville | 0.0628 | 0.0000 | 0.1614 | 0.0119 | 0.0000 | 0.0210 | GAS | I | Other |
| $\begin{aligned} & 266, \\ & 267 \end{aligned}$ | W-T19-20001 | 41.61843 | -75.76069 | Nicholson | Factoryville | 0.0000 | 0.0000 | 0.2914 | 0.0000 | 0.0000 | 0.0564 | GAS | I | EV |
| $\begin{aligned} & 276, \\ & 277 \end{aligned}$ | W-T17-20001 | 41.62843 | -75.76303 | Nicholson | Hop Bottom | 0.0000 | 0.0000 | 0.1148 | 0.0000 | 0.0000 | 0.0199 | GAS | I | Other |
| $\begin{aligned} & \hline 278, \\ & 279 \end{aligned}$ | W-T57-21006 | 41.63140 | -75.76883 | Nicholson | Hop Bottom | 0.0000 | 0.0000 | 0.0211 | 0.0000 | 0.0000 | 0.0025 | GAS | I | Other |
| $\begin{aligned} & 284, \\ & 285 \end{aligned}$ | W-T57-21004 | 41.63717 | -75.76668 | Nicholson | Hop Bottom | 0.0000 | 0.0135 | 0.0000 | 0.0000 | 0.0011 | 0.0000 | GAS | I | Other |
| $\begin{aligned} & 286, \\ & 287 \end{aligned}$ | W-T57-21003B | 41.63766 | -75.76567 | Nicholson | Hop Bottom | 0.0000 | 0.1957 | 0.0000 | 0.0000 | 0.0364 | 0.0000 | GAS | I | Other |
| 292 | W-T57-21002 | 41.63916 | -75.76358 | Nicholson | Hop Bottom | 0.0000 | 0.0000 | 0.0332 | 0.0000 | 0.0000 | 0.0000 | GAS | IV | Other |
| $\begin{aligned} & 293, \\ & 294 \end{aligned}$ | W-T31-21001 | 41.64186 | -75.76092 | Nicholson | Hop Bottom | 0.0000 | 0.0000 | 0.0279 | 0.0000 | 0.0000 | 0.0040 | GAS | I | Other |
|  |  |  |  |  | Totals | 1.1500 | 1.2148 | 4.8966 | 0.7711 | 0.1877 | 0.7392 |  |  |  |

[^9] Manager，570－321－6581
E19－311，Transcontinental Gas Pipe Line Company，LLC， 2800 Post Oak Blvd，Level 6，Houston，TX 77056，Atlantic Sunrise Pipeline Project， Sugarloaf，Cleveland，Franklin，Montour，Hemlock，Mount Pleasant，Orange，Greenwood，and Jackson Townships，Columbia County，Acoe Balthore $17^{\prime}, 2.17^{\prime \prime}$ ；W： $76^{\circ}, 18^{\prime}, 48.68^{\prime \prime}$ ）and ends at 0.22 mile north on Happy Valley Road from the intersection with Monroe Drive（Shamokin，PA Quadrangle N： $40^{\circ}{ }^{\circ}$ ， $50^{\prime}, 23.7^{\prime \prime}$ ；W： $76^{\circ}, 30^{\prime}, 27.13^{\prime \prime}$ ）．
To construct，operate and maintain approximately 5 miles of thirty－inch（ $30^{\prime \prime}$ ）diameter pipeline and appurtenant structures associated with the Columbia County portion of the Atlantic Sunrise Pipeline Project Central Penn Line North（CPLN）and approximately 34.3 miles of forty－two inch（ $42^{\prime \prime}$ ）diameter pipeline and appurtenant structures associated with the Columbia County portion of the Atlantic Sunrise Pipeline Project Central Penn Line South（CPLS）． The combined（CPLN and CPLS）project impacts in Columbia County include a total of 6，523 linear feet of temporary stream impacts，a total of 784 linear feet of permanent stream impacts， 4.9 acres of temporary floodway impacts， 0.3 acre of permanent floodway impacts， 4.94 acres of temporary impacts to Palustrine Emergent（PEM），Palustrine Forested（PFO）and Palustrine Scrub－Shrub（PSS）wetlands，and 0.89 acre of permanent impacts to PEM，PFO and and Impacts．The permittee is required to compensate for the proposed project impacts in Columbia County by providing 2.03 acres of successful wetland creation $76^{\circ} 24^{\prime} 51.10^{\prime \prime} \mathrm{W}$ ）．This mitigation site shall compensate for the proposed permanent project impacts in Columbia，Northumberland and Schuylkill Counties by creating a total of 5.36 acres of wetland creation and enhancement of existing wetlands．This Permit also authorizes the construction of the Briar Creek Mitigation Site for associated impacts in Luzerne County． 8.94 acres of wetland enhancement and vegetative management shall be constructed for the proposed 3.76 acres of impact within Luzerne County．Briar Creek Mitigation Site is located along Fowlersville Road in North Centre Township，Columbia County（ $41^{\circ} 3^{\prime} 20.4^{\prime \prime} \mathrm{N}, 76^{\circ} 20^{\prime} 4.7^{\prime \prime} \mathrm{W}$ ）
Any person aggrieved by this action may file a petition for review pursuant to Section 19（d）of the Federal Natural Gas Act， 15 U．S．C．A．§ $717 \mathrm{r}(\mathrm{d})$ ，with the Office of the Clerk，United States Court of Appeals for the Third Circuit， 21400 U．S．Courthouse， 601 Market Street，Philadelphia，PA 19106－1790 within 30 days of publication of this notice，or within 30 days of receipt of written notice of this action，whichever occurs first．Important legal rights are at stake，so Appendix 1—Project Impacts
Stream Impact Tables：Columbia County

|  |  | 会 | $\begin{aligned} & 5 \\ & 3 \end{aligned}$ | $\stackrel{F}{3}$ |
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|  | ${ }_{\text {„poyłว }}$ sulssou入 | $\bigcirc$ | $\checkmark$ | $\square$ |
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|  | （sวıวр） <br> ээрдшы ұидиршиәд | $\begin{aligned} & \text { N } \\ & \text { O} \\ & \text { O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline \text { O. } \\ & 0 \end{aligned}$ |
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|  | арпұ！®иот | $\begin{array}{\|c} \hline 0 \\ 0 \\ \text { on } \\ \text { on } \\ \vdots \\ 0 \\ \hline 1 \end{array}$ | $\begin{array}{\|l\|l} \hline 10 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{array}{\|l\|} \hline 0 \\ \infty \\ \infty \\ \infty \\ 0 \\ 0 \\ 0 \\ \hline 1 \end{array}$ |
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|  |  | $\begin{aligned} & 6 \\ & 3 \end{aligned}$ | $\begin{array}{\|c} E \\ \hline 3 \end{array}$ | $\begin{aligned} & \mathrm{E} \\ & \hline 8 \end{aligned}$ | $\begin{array}{\|c} B \\ \hline 3 \end{array}$ | $\begin{aligned} & \mathrm{E} \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & \mathrm{H} \\ & 3 \end{aligned}$ | $\stackrel{E}{3}$ | $\begin{aligned} & \mathrm{E} \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{H} \\ & 3 \end{aligned}$ | び | U゙B | U゙B |
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|  | （sว．ı刀） <br> ъэрдші ұиәиршидд | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 8 \\ & \hline 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{gathered} \underset{H}{H} \\ \underset{\sim}{c} \\ \vdots \end{gathered}$ | $\begin{aligned} & \text { O- } \\ & \text { No } \\ & 0 . \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \mathrm{O} \end{aligned}$ | $\begin{aligned} & H \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
|  | （sว．⿰㇒⿻土一⿰丿𠃌⿱⿰㇒一乂， <br> ฉэрдши Кıрıодшәц | $\begin{aligned} & 20 \\ & \text { O} \\ & \text { O. } \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { O} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { O } \\ & \text { O} \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \stackrel{y}{t} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline \underset{0}{2} \\ & \underset{0}{0} \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { Io } \\ & \text { of } \\ & \underset{\sim}{7} \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \underset{\sim}{0} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & \text { N } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{0}{\infty} \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline \dot{0} \\ & \stackrel{0}{0} \\ & 0 \\ & 0 \end{aligned}$ |
|  | （sวиэр）ралн ээрдшш ұиаиршиад | $\begin{aligned} & \hline 0 \\ & \hline \mathrm{O} \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $$ | $$ | $\begin{array}{\|c} \hline \\ \hline 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $$ | $\begin{aligned} & \hline 10 \\ & \text { O } \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{N} \\ & \hline \mathrm{O} \\ & \mathrm{O} \\ & \mathbf{o} \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  | （sәитр）ралн ъэрдші Кıрıодшац | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|l\|} \hline \infty \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $$ | N N N 0 | $\begin{aligned} & \text { 등 } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & \stackrel{\rightharpoonup}{\mathrm{~N}} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 10 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|c} \hline 0 \\ 0 \\ 6 \\ 0 \\ 0 \end{array}$ | $\begin{aligned} & 1-1 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { IT } \\ & \text { N } \\ & \text { o } \\ & \hline \end{aligned}$ |
|  | （ұวәf）чұธиวт รиب̣ssouд ұиәишшад | $\underset{0}{8}$ | $8$ | $8$ | $\begin{array}{\|l\|l\|} \hline \\ \hline \end{array}$ |  | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \stackrel{\infty}{\circ} \end{aligned}$ | $\begin{aligned} & \underset{1}{4} \\ & \mathbf{O} \\ & \end{aligned}$ | $\begin{aligned} & \vec{g} \\ & \underset{\sim}{1} \end{aligned}$ | $\underset{\sim}{\text { d }}$ | $$ | $\underset{\sim}{\infty} \underset{\sim}{\infty}$ | $\begin{array}{r} -7 \\ \hline 0 \\ \hline 0 \end{array}$ |
|  | （ұәәf）чұรึววт <br>  | $\underset{0}{8}$ | $8$ | $8$ | $\left\lvert\, \begin{gathered} N \\ N \\ \dot{B} \end{gathered}\right.$ | $\begin{aligned} & \text { n } \\ & \stackrel{1}{1} \\ & \stackrel{1}{2} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\circ} \\ & \stackrel{\circ}{0} \end{aligned}$ | $\begin{aligned} & \underset{\infty}{\infty} \\ & \stackrel{y}{\infty} \end{aligned}$ | $\begin{aligned} & 0 \\ & \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & -0 \\ & 0 \\ & \text { o } \\ & \infty \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { 上 } \\ & \text { م } \\ & \text { ju } \end{aligned}$ |
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|  | （sวитр）раин ฉэрдші ұиәиршләд | $\begin{array}{\|l\|} \hline 20 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $$ | $\begin{aligned} & \text { ò } \\ & \text { O} \\ & 0 . \end{aligned}$ | $$ | $\begin{aligned} & \hline 8 \\ & 8 \\ & 0 . \end{aligned}$ | 응 | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $$ | $\begin{aligned} & \text { N } \\ & \stackrel{3}{8} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & 8 \\ & \hline 0 \end{aligned}$ |
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|  | арпұ！®иот |  |  | $\begin{aligned} & \text { N } \\ & \text { No } \\ & \text { N్ } \\ & \text { © } \\ & \text { ָi } \end{aligned}$ |  |  |  | $\begin{array}{\|l\|} \hline \text { H } \\ 6 \\ 1 \\ 0 \\ \vdots \\ 1 \\ \hline \end{array}$ | $\begin{aligned} & \text { N } \\ & \stackrel{\rightharpoonup}{0} \\ & 0 \\ & 0 \\ & \end{aligned}$ | 0 0 0 0 10 0 1 1 |  |
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|  | （sa．up） ъэрдші Кıрıодшад | $\begin{aligned} & \infty \\ & \stackrel{\infty}{0} \\ & \stackrel{y}{0} \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | 0 H N O． | 9 $\stackrel{9}{0}$ on ì | $\begin{aligned} & 8 \\ & 8 \\ & 8 \\ & \hline 8 \end{aligned}$ | $$ | $$ | $\begin{aligned} & \hline \stackrel{\circ}{\circ} \\ & \text { Mín } \end{aligned}$ |  |
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|  | （ฉวә）чฉรันวт su！ssoı К．ıр．ıодшад | $\begin{aligned} & 9 \\ & \stackrel{9}{8} \\ & 88 \end{aligned}$ | $\begin{aligned} & 8 \\ & 8 . \\ & 8 . \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{+} \\ & \dot{\sim} \end{aligned}$ |  | $\begin{aligned} & \text { H } \\ & \text { 命 } \\ & \text { n } \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ |  | $\begin{aligned} & \stackrel{\circ}{\circ} \\ & \stackrel{\infty}{\infty} \end{aligned}$ | $\begin{aligned} & \stackrel{O}{0} \\ & \stackrel{8}{8} \end{aligned}$ |
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|  | （sวuวn） <br>  | $\begin{array}{\|c} \underset{\sim}{2} \\ \underset{\sim}{N} \\ \hline \end{array}$ | $\begin{aligned} & \text { H } \\ & \stackrel{\rightharpoonup}{0} \\ & 0 . \\ & 0 \end{aligned}$ | $\begin{aligned} & 10 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | 8 8 0 0 | $$ | $\begin{aligned} & \underset{0}{2} \\ & \underset{\sim}{n} \\ & 0 \end{aligned}$ | O |  | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { Nָ } \\ & 0 \end{aligned}$ |
|  | （sวитд）раин ฉэрдші ұиәиршлдд | $$ | 8 <br> 8 <br> 8 <br> 0 | $\begin{aligned} & \hline 0 \\ & \hline 0.8 \\ & 0 \\ & 0 . \\ & \hline \end{aligned}$ | 8 8 0 0 | 8 <br> 8 <br> 8 <br> 0 | $\begin{aligned} & \hline \text { O } \\ & \text { O} \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { H } \\ & \text { 合 } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { 승 } \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline \text { N } \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ |
|  | （sәитр）ралн ұэрдші Кириодшдц | $\begin{array}{\|l\|} \hline \underset{\sim}{2} \\ \infty \\ \infty \\ \infty \\ \hline \end{array}$ | $\begin{aligned} & \mathrm{O} \\ & \hline 0 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline \text { O } \\ & \text { N } \\ & \text { o } \\ & \hline \end{aligned}$ | $\begin{aligned} & 20 \\ & 0 \\ & 0 \\ & 0 \\ & \hline 0 \end{aligned}$ | $$ | 8 <br>  <br> 0 <br> 0 | $\begin{aligned} & \hline \underset{y}{\prime} \\ & \underset{y}{\prime} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline+ \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $$ | $\begin{aligned} & \text { た } \\ & \text { た } \\ & \text { ó } \\ & \hline \end{aligned}$ |
|  | （ұวəf）чұя๐иวт suḷsou，ұиәири．лдд | $\begin{aligned} & 20 \\ & 0 \\ & 0 \\ & 0 \\ & \hline 1 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \mathbf{N} \\ & \mathbf{O} \end{aligned}$ | $\begin{aligned} & 8 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hat{0} \\ & -1 \end{aligned}$ | $\begin{aligned} & 0 \\ & -1 \\ & -1 \end{aligned}$ | $\begin{aligned} & 0 \\ & 1 \\ & \vdots \end{aligned}$ | $\begin{array}{\|c} \substack{\infty \\ \underset{\sim}{N} \\ \text { N }} \end{array}$ | $$ |
|  | （ұวəf）чұรันวт su！̣ssou К．риодшдц | $$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{\infty} \\ & \stackrel{\rightharpoonup}{i} \end{aligned}$ | $$ | $\begin{gathered} \mathrm{N} \\ \text { N } \\ \text { N } \end{gathered}$ | $\begin{aligned} & \underset{\sim}{\underset{\sim}{2}} \\ & \underset{\sim}{\infty} \end{aligned}$ | $\begin{array}{\|c} N \\ \underset{N}{N} \\ \underset{\sim}{2} \end{array}$ |  | $\begin{aligned} & \text { N } \\ & \underset{\sim}{j} \\ & \underset{\sim}{0} \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  | วฺธирррпб |  |  |  |  |  |  |  |  |  |  |
|  | （d？̣sumo $L$ ） <br>  | $\begin{array}{\|l\|l} 3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ |  | $\begin{aligned} & \text { Z } \\ & 0 \\ & \text { d } \\ & 0 \\ & \text { Z } \end{aligned}$ | $\begin{aligned} & \text { Z } \\ & 0 \\ & \text { d } \\ & 0 \\ & \text { Z } \end{aligned}$ |  | $\begin{aligned} & \text { Z } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \text { Z } \end{aligned}$ |  |  | $\begin{array}{\|l\|l} \tilde{Z} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{array}{\|l\|} \text { Z } \\ \text { 号 } \\ \text { B } \\ 0 \\ 0 \end{array}$ |
|  | әрпұ！яиот |  | $\begin{array}{\|l\|} \hline \stackrel{1}{0} \\ 0 \\ 0 \\ \hline \\ \vdots \\ \stackrel{0}{1} \\ \hline \end{array}$ |  | $\begin{aligned} & 7 \\ & A_{1} \\ & \underset{\sim}{7} \\ & 0 \\ & 1 \end{aligned}$ |  |  | 8 <br> 0 <br> 0 <br> + <br> 0 <br> 1 |  |  | 8 <br> 8 <br> $\stackrel{8}{\circ}$ <br>  <br> 0 <br> 1 <br> 1 |
|  | әрпұ？ұт | $\begin{aligned} & \text { H } \\ & \text { 合 } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | 0 <br> 1 <br>  <br>  <br> 0 <br> 0 | 10 0 0 0 0 0 | $\begin{aligned} & \text { No } \\ & \text { O} \\ & 0 \\ & 0 \\ & 0 \\ & \text { of } \end{aligned}$ | 0 0 0 0 0 0 | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \text { of } \end{aligned}$ |  | $\begin{array}{\|l\|} \hline 1 \\ \hline \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 0 \end{array}$ |  |  |
| $\begin{aligned} & \text { Ñ } \\ & \text { 気 } \\ & \text { 気 } \\ & \text { む̃ } \end{aligned}$ |  | $3$ |  |  | $\begin{aligned} & \text { 甹 } \\ & \sum_{n}^{2} \\ & \sqrt{3} \end{aligned}$ |  | $\begin{aligned} & \text { 甹 } \\ & \sum_{n}^{2} \\ & \sqrt[y y y]{c} \end{aligned}$ |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | $\begin{aligned} & 4 \\ & y_{1} \\ & 0_{1} \\ & 0 \\ & 10 \\ & 3 \\ & 3 \end{aligned}$ |  | $\begin{aligned} & \text { サ' } \\ & \text { ó } \\ & \text { Bo } \\ & \text { in } \end{aligned}$ |  | $\begin{aligned} & \text { H' } \\ & \text { ' } \\ & 1 \\ & 0 \\ & 3 \\ & 3 \end{aligned}$ | $\begin{aligned} & 412 \\ & y_{0}^{2} \\ & 10_{3}^{2} \\ & { }_{3}^{2} \end{aligned}$ |  |  |  |  |
|  |  |  | $\stackrel{\substack{\mathrm{O}}}{ }$ |  | $\stackrel{\ominus}{\stackrel{0}{-}}$ | $\stackrel{N}{\underset{\sim}{N}}$ | $\stackrel{\infty}{\infty}$ | $\underset{\sim}{\infty}$ | 亩示 |  |  |


|  |  | 3 | 3 | 3 | $$ | $3$ | $3$ | $3$ | $\begin{array}{\|l} \hline \stackrel{\circ}{8} \\ \underset{Z}{2} \end{array}$ | $$ | $\begin{array}{\|l\|l} \hline 0 \\ \hline 8 . \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Z | $\leftharpoondown$ | $\lambda$ | $\checkmark$ | 号 | Z | $\checkmark$ | － | $\square$ | $\geq$ |
|  | ${ }^{2}{ }^{\text {d }} \mathcal{K}_{L}$ sulssoor | $\begin{array}{\|c} \substack{4 \\ \text { B }} \end{array}$ | 烒 | 芴 | 隻 | 浆 | 要 | 啔 | 䋘 | 隻 | $\begin{array}{\|l\|l\|} \hline \text { 岂 } \\ \hline \end{array}$ |
|  | （sa．ı刀n） ұәрдиі ұиәирииәд | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \mathscr{O} \\ & 0 \\ & 0 . \\ & 0 . \end{aligned}$ | $\begin{aligned} & \stackrel{8}{\circ} \\ & \stackrel{\circ}{\circ} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{array}{\|l\|l} \hline 0 \\ 0 \\ 00 \\ 0 \end{array}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \mathrm{O} \end{aligned}$ | $\begin{aligned} & \text { ti } \\ & \text { or } \\ & \text { O} \end{aligned}$ | $\begin{aligned} & \hline \stackrel{్}{0} \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \mathrm{O} \end{aligned}$ |
|  | （sa．ıวn） ฉэрдші Кıрıодшац | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ |  | $\begin{aligned} & \text { ஜop } \\ & \stackrel{0}{6} \\ & 0 . \\ & \hline 0 \end{aligned}$ | $\begin{gathered} 8 \\ \stackrel{0}{7} \\ 0 \end{gathered}$ | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline . \end{aligned}$ | $\begin{gathered} \text { O } \\ \text { N } \\ \text { Nín } \end{gathered}$ | $\begin{gathered} \text { N } \\ \text { N̈ } \\ \text { O- } \end{gathered}$ | $\begin{aligned} & \text { H } \\ & \stackrel{\rightharpoonup}{7} \\ & 0 \end{aligned}$ |
|  |  <br>  | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { O. } \\ & \text { O. } \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \text { o } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 0.0 \\ & 0 . \end{aligned}$ | $\begin{gathered} \infty \\ \infty \\ 0 \\ 0 \\ 0 \\ 0 \end{gathered}$ | $\begin{aligned} & 78 \\ & 0.8 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { İ } \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ |
|  |  <br>  | $\begin{aligned} & 8 \\ & 8 \\ & 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { on } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 20 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { 合 } \\ & 0 \end{aligned}$ | $\begin{array}{\|c} \hline 8.8 \\ \hline 8 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \hline 0 \\ & \hline \mathrm{O} \\ & \mathrm{O} \\ & \hline \end{aligned}$ |
|  | （ұддғ）чұяяиวт ．sи！̣sоид ұиәишшлд | $8$ | $\begin{aligned} & \text { R } \\ & \stackrel{\circ}{\circ} \\ & \hline-1 \end{aligned}$ | $\stackrel{\circ}{\circ}$ | $\begin{aligned} & 0 \\ & \ddot{0} \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \underset{\sim}{\infty} \\ & \hline \end{aligned}$ | $\circ$ |  |  | $\begin{aligned} & \infty \\ & \infty \\ & \\ & \hline \end{aligned}$ | $8$ |
|  | （дวәғ）чวรัวт su！̣sо» кıриодшад | $8$ | $\underset{\infty}{\ddot{\infty}}$ | $\stackrel{\circ}{\circ}$ | $\stackrel{\text { N }}{\stackrel{1}{\circ}}$ |  | $8$ | $\begin{aligned} & \stackrel{\circ}{8} \\ & \stackrel{\circ}{\circ} \end{aligned}$ |  | $\begin{aligned} & \stackrel{\circ}{0} \\ & \underset{\sim}{+} \end{aligned}$ | $8$ |
|  | ә¢รириртпб |  |  |  |  |  |  |  |  |  |  |
|  | （dịsumoL） <br> K？？ 1 Dd？̣？ |  | $\begin{aligned} & \text { 菦 } \\ & 0 \\ & \text { 覓 } \end{aligned}$ |  |  |  |  |  | $\begin{aligned} & \text { 弟 } \\ & 0 \\ & \underline{0} \\ & \text { a } \end{aligned}$ |  |  |
|  | әрп7！ธиот |  |  | $\begin{aligned} & \infty \\ & 0 \\ & \underset{4}{4} \\ & \underset{1}{0} \\ & 1 \end{aligned}$ | $\begin{aligned} & \text { 府 } \\ & \text { 合 } \\ & \text { B } \end{aligned}$ |  |  | $\begin{aligned} & \hline 9 \\ & \stackrel{9}{0} \\ & \stackrel{\rightharpoonup}{0} \\ & \stackrel{0}{5} \end{aligned}$ |  |  | $\begin{aligned} & \hline \infty \\ & 0.0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  |  | $\begin{array}{\|l\|} \hline \infty \\ 0 \\ 0 \\ 0 \\ \hline \\ \dot{y} \\ \hline \end{array}$ | $\begin{aligned} & \text { Io } \\ & \text { ô } \\ & 0 \\ & \text { H } \end{aligned}$ |  | $\begin{aligned} & \text { H } \\ & \text { 合 } \\ & 0 \\ & 0 \\ & \text { 子 } \end{aligned}$ | $$ |  |  |  | $\begin{aligned} & 1 \\ & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & \text { O. } \\ & \hline \end{aligned}$ |  |
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|  | ${ }^{\text {aup }} \mathrm{N}$ umaııS |  |  |  |  | $\begin{aligned} & \text { 篤荡荡 } \end{aligned}$ |  |  |  |  |  |
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|  | ${ }_{0}^{\text {arquin }}{ }_{N}{ }^{\text {apddu }}$ | \％ | તincoision | ®융 |  | $\begin{array}{\|c\|c\|} \infty \\ \sim \end{array}$ | Nix 클 | O్N |  | だった ๗ో | ¢ |


|  |  | $\begin{array}{\|c} \stackrel{\rightharpoonup}{0} \\ \underset{Z}{2} \end{array}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{0} \\ & \underset{Z}{2} \end{aligned}$ | $\begin{aligned} & \stackrel{\otimes}{0} \\ & \text { Z } \end{aligned}$ | $\begin{aligned} & \otimes \\ & \ddot{0} \\ & \text { Z } \end{aligned}$ | $\begin{gathered} \stackrel{\otimes}{0} \\ \underset{Z}{2} \end{gathered}$ | $\begin{aligned} & \otimes \\ & \ddot{0} \\ & \text { Z } \end{aligned}$ | $\stackrel{E}{3}$ | $\stackrel{F}{B}$ | $\begin{aligned} & E \\ & 3 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\square$ | $\leftharpoondown$ | $\leftharpoondown$ | $\square$ | $\downarrow$ | － | － | － | $Z$ |
|  | ${ }_{q}{ }^{\text {ad＾}}$ L supssou， | 岂 | 岂 |  | 氐 | 氐 | 氐 | 氐 | 宏 | 氐 |
|  | （sวиวр） <br> ээрдшы ұиаиршиад | $$ | $\begin{aligned} & \mathrm{O} \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \stackrel{8}{\circ} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \text { N } \\ \text { N } \\ \text { O. } \\ \hline 0 \end{array}$ | $\begin{aligned} & \infty \\ & \text { N } \\ & \text { N } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|l\|l\|} \hline-2 \\ \text { N } \\ 0 \\ 0 \end{array}$ | $\begin{aligned} & \text { Y } \\ & \text { O} \\ & \text { O} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { - } \\ & \text { సे } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { H } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
|  | （sวıวn） <br>  | $\begin{aligned} & \text { + } \\ & \text { on } \\ & \text { N } \\ & \infty \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 \\ & \stackrel{\rightharpoonup}{0} \\ & 0 . \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & \underset{\sim}{2} \\ & \underset{~ N}{0} \end{aligned}$ | $\begin{aligned} & \text { N} \\ & \text { ¢ } \\ & \text { N } \\ & 0 \end{aligned}$ | $\begin{aligned} & \underset{y}{H} \\ & \underset{\sim}{0} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Ny } \\ & \underset{\sim}{2} \\ & \text { ָ } \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{7}{\sim} \\ & \text { N゙ } \end{aligned}$ | $\begin{aligned} & \underset{\sim}{H} \\ & \infty \\ & 0 \\ & 0 \end{aligned}$ |
|  | （sәиэ）рәин ээрфші ұиаишшлад | $$ | $\begin{aligned} & \hline 7 \\ & 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { 긍 } \\ & \text { O } \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|l\|} \hline \text { N } \\ \text { O} \\ \text { O} \\ \hline \mathbf{O} \end{array}$ | $\begin{aligned} & \text { N } \\ & \text { O} \\ & \text { O} \\ & \hline \mathbf{O} \end{aligned}$ | $$ | $\begin{array}{\|l\|l} \hline 0 \\ \text { N } \\ \text { on } \\ \hline 0 \end{array}$ | $$ | $\begin{array}{\|l\|} \hline 8 \\ \hline 8 \\ 0 \\ \hline 0 \\ \hline \end{array}$ |
|  | （sว．ıр）ралн <br>  | $$ | $\begin{array}{\|l\|l} \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \hline 0 \\ & \text { N } \\ & \text { § } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \hline \text { 아 } \\ & \text { ㅇ. } \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { N } \\ 0 \\ \vdots \\ \hline- \\ \hline \end{array}$ | $$ | $\begin{array}{\|l} \hline \stackrel{\rightharpoonup}{2} \\ \text { j } \\ \text { O } \\ \hline \end{array}$ | $\begin{aligned} & \hline 8 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  | （ұәдf）чұяиวт suḷsou，ұиәиршидд | $\begin{aligned} & 20 \\ & 0 \\ & 0 \end{aligned}$ | $\underset{\sim}{7}$ | $\infty$ $\circ$ $\stackrel{\circ}{\circ}$ － | $\begin{aligned} & \stackrel{0}{\sim} \\ & \stackrel{9}{2} \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{0} \\ & \underset{\sim}{2} \end{aligned}$ |  | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{ } \\ & \underset{\sim}{2} \end{aligned}$ | $8$ |
|  | （ұәวf）чұธดวт su！̣ssoũ КıриодшдL | $\begin{aligned} & \text { No } \\ & \text { 内 } \\ & \text { jo } \end{aligned}$ | $\begin{aligned} & \dot{6} \\ & 0 \\ & \dot{\circ} \end{aligned}$ | $\begin{aligned} & \text { O} \\ & \text { H } \\ & \text { O} \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \underset{\sim}{\infty} \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \underset{\sim}{\circ} \end{aligned}$ | $\begin{aligned} & 0 \\ & \underset{\sim}{1} \\ & \text { N } \\ & \hline \end{aligned}$ | $\begin{aligned} & 7 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { 아 } \\ & \cline { 1 - 1 } \end{aligned}$ | $8$ |
|  | วุจириррпб |  |  |  |  | $\begin{aligned} & \text { n } \\ & \text { an on } \\ & \text { on } \\ & 0 \end{aligned}$ |  |  |  |  |
|  | $\begin{gathered} \text { (d!ysumoL) } \\ \text { אt?!pd!?!unW } \end{gathered}$ |  |  |  |  |  |  |  |  |  |
|  | арпұ？яиот |  |  |  |  | $\begin{aligned} & \hline 9 \\ & \infty \\ & \underset{y}{2} \\ & \underset{1}{1} \\ & \hline 1 \end{aligned}$ |  | $\begin{array}{\|c} \hline 0 \\ 0 \\ 0 \\ 0 \\ \vdots \\ 0 \\ 0 \\ \end{array}$ | $\begin{aligned} & \hline \cong \\ & 0 \\ & 0 \\ & 0 \\ & \vdots \\ & 0 \\ & \end{aligned}$ | $\begin{array}{\|c} \hline 8 \\ \stackrel{y}{0} \\ 4 \\ 0 \\ 1 \\ \hline \end{array}$ |
|  | әрпұ？ұрт | $\begin{aligned} & \underset{\sim}{\sim} \\ & \underset{\sim}{7} \\ & \underset{子}{4} \end{aligned}$ | 10 <br>  <br>   | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { H } \\ & \text { H } \end{aligned}$ | $\begin{array}{\|l} \hline 1 \\ \hline \\ 0 \\ 0 \\ 0 \\ \underset{7}{\prime} \end{array}$ | $\begin{aligned} & -\underset{0}{0} \\ & \dot{0} \\ & 0 \\ & \underset{\sim}{\mathrm{H}} \end{aligned}$ |  | $\begin{array}{\|l} \hline \text { N } \\ \text { ó } \\ \text { O } \\ \text { O } \\ \text { H } \end{array}$ |  | $\begin{aligned} & 0 \\ & \dot{f} \\ & \infty \\ & 0 \\ & \underset{子}{子} \end{aligned}$ |
|  | әsп рәұрия̊яsว $ด$ <br> \＆6 ıддаич |  |  |  |  | $\begin{aligned} & \text { 敩 } \\ & \sqrt[y y y y]{c} \\ & \vdots \end{aligned}$ |  |  |  |  |
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|  | ${ }^{201} \mathcal{K}_{L}$ sulssou〕 | 荷 | 荷 | 要 | 荷 | 永 | 案 | 荷 | 焉 | 焉 |
|  | （sว，วэn） <br>  | $\begin{aligned} & \text { O} \\ & \text { O. } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \text { In } \\ & \text { on } \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { 등 } \\ & \text { od } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{0} \\ & \stackrel{O}{\circ} \\ & O . \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { I } \\ & \text { I } \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { 冗o } \\ & \text { No } \\ & \text { O- } \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{0}{0} \\ & \underset{0}{0} \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & 0 \\ & \hline 0 \end{aligned}$ |
|  | （sวuวn） ъэрдші Кıрıодшад | $\begin{array}{\|c} \hline \infty \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{array}{\|l\|l\|} \hline \text { 世 } \\ \text { N} \\ \text { Non } \end{array}$ | $\begin{array}{\|l\|l} \hline \stackrel{\circ}{8} \\ \stackrel{\rightharpoonup}{\circ} \end{array}$ | $\begin{array}{\|l\|l} \hline \infty \\ \hline 0 \\ \hline 0 \\ \hline 0 \end{array}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \underset{\sim}{\circ} \end{aligned}$ | $\begin{array}{\|l} \hline 0.0 \\ 0.0 \\ 0 \\ \hline 0 \end{array}$ | $\begin{array}{\|c} \hline \text { N } \\ \text { No } \\ \text { No } \end{array}$ | $\begin{aligned} & \hline \text { dion } \\ & \text { M⿵冂 } \\ & \text { on } \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { 잉 } \\ & \text {. } \end{aligned}$ |
|  |  | $\begin{array}{\|l\|l\|} \hline 0 \\ \text { O} \\ \text { O } \end{array}$ | $\begin{array}{\|l\|l} \hline \stackrel{0}{0} \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{array}{\|c} \infty \\ \text { ò } \\ \text { ob } \\ \hline \end{array}$ | $\begin{array}{\|l\|l\|} \hline \text { H } \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{array}{\|l\|l} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{aligned} & \circ \stackrel{0}{8} \\ & \hline 8 \\ & \hline 8 \end{aligned}$ | $\begin{array}{\|l} \hline 8 \\ 8 \\ \hline 8 \end{array}$ | $\begin{array}{\|l\|l} \hline 00 \\ \hline 0 \\ 0 \\ 0 \end{array}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ |
|  |  <br>  |  | $$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { N} \\ & \text { in } \\ & \text { O } \\ & \hline 0 \end{aligned}$ | $\begin{array}{\|l\|l} \hline \text { 毕 } \\ \text { O } \\ 0 \end{array}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { H } \\ & \text { O } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|c} \substack{\infty \\ \text { No } \\ \text { o } \\ \hline} \end{array}$ | $\begin{aligned} & \mathrm{O} \\ & \hline 8 \\ & 0 . \\ & \hline \end{aligned}$ |
|  | （ұวд）чұรัวт <br>  | $\begin{array}{r} 0 \\ 0 . \\ -1 \end{array}$ | $\begin{aligned} & \hat{\sigma} \\ & \underset{\sim}{\dot{N}} \end{aligned}$ | $\begin{array}{\|l\|l} \hline \stackrel{0}{\dot{~}} \\ \text { in } \end{array}$ | $\begin{aligned} & \ddot{8} \\ & \stackrel{\circ}{-} \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 . \\ & 0 . \\ & \hline, ~ \end{aligned}$ | $\begin{aligned} & 20 \\ & 0 \\ & 0 \end{aligned}$ | $\stackrel{8}{0}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{-} \\ & \hline \end{aligned}$ | $8$ |
|  | （әวә）чұรиวт su！ssoup к．ıр．ıодиад | $\begin{aligned} & \stackrel{\rightharpoonup}{\mathrm{O}} \\ & \stackrel{\rightharpoonup}{\mathrm{O}} \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | $\stackrel{\stackrel{!}{\circ}}{\stackrel{\ominus}{+}}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | $\begin{gathered} 1 \\ \stackrel{\infty}{\infty} \\ \stackrel{\infty}{\infty} \end{gathered}$ |  | $\underset{\infty}{7}$ | $\begin{aligned} & \dot{8} \\ & \dot{\theta} \\ & \dot{\theta} \end{aligned}$ | $8$ |
| $\begin{aligned} & \text { 気 } \\ & \text { 苞 } \end{aligned}$ | วฺธงриртпб |  |  |  |  |  |  |  |  | $\begin{aligned} & \text { 若 } \\ & \text { M } \end{aligned}$ |
|  | $\begin{aligned} & \text { (d!ysumoL) } \\ & \text { K?!?pd!p?un } \end{aligned}$ |  |  |  |  | $\begin{array}{\|l} \hline \mathrm{O} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ |  |  |  |  |
|  | әрпұ！¢иот | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|l} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ |  | $\begin{array}{\|l\|l} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline 1 \end{array}$ |  |  |  |  |  |
|  | ${\text { วрп？}{ }^{\text {Pp }} \text { T }}$ |  | $$ | $\begin{aligned} & \stackrel{\rightharpoonup}{7} \\ & \underset{7}{7} \\ & \underset{子}{7} \end{aligned}$ |  | $\begin{aligned} & \text { ö } \\ & \text { on } \\ & \text { H. } \\ & \vdots \end{aligned}$ | $\begin{aligned} & \text { ơ } \\ & \underset{Z}{7} \\ & \underset{子}{7} \\ & \hline \end{aligned}$ |  |  | $\begin{aligned} & \overrightarrow{2} \\ & 0 \\ & \vdots \\ & \underset{7}{7} \end{aligned}$ |
|  |  \＆6 ィวұдрч， | $\begin{array}{\|l\|l\|} \hline \text { 男 } \\ \text { 采 } \\ \hline \end{array}$ | $\begin{array}{\|l\|l\|} \hline \text { 男 } \\ \text { 采 } \\ \hline \end{array}$ |  |  |  |  |  |  |  |
|  | ${ }^{\text {awn }}$ N unaılS | $\left\lvert\, \begin{aligned} & \text { 淢 } \\ & \text { 品 } \\ & 0 \end{aligned}\right.$ |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
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|  |  | $\begin{aligned} & E \\ & 3 \end{aligned}$ | $\frac{5}{3}$ | $\frac{E}{3}$ | $\begin{aligned} & 5 \\ & 3 \end{aligned}$ | $\begin{aligned} & 5 \\ & 3 \end{aligned}$ | $\begin{aligned} & E \\ & 3 \end{aligned}$ | $\begin{aligned} & 5 \\ & 3 \end{aligned}$ | $\begin{aligned} & E \\ & 3 \end{aligned}$ | $\stackrel{H}{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | － | $\square$ | $\square$ | $\square$ | $>$ | $\mapsto$ | $\square$ | $\longmapsto$ | $\mapsto$ |
|  | ${ }_{q}{ }^{\text {ad＾}}$ L Supssou， | 方 |  | $\underset{\text { U゙ }}{\substack{\text { Un }}}$ |  | 氐 |  | 会 | 方 |  |
|  | （sวuวn） <br> ээрдшы ұиәиршиад | $\begin{aligned} & 0 \\ & \text { L } \\ & \text { N } \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \text { o. } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { セ. } \\ & \text { N } \\ & \text { O. } \end{aligned}$ | 8 8 8 0 | $\begin{aligned} & \text { Lo } \\ & \text { N } \\ & \text { on } \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { op } \\ & \text { م } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { L上 } \\ & \text { Nิ } \\ & \text { ò } \end{aligned}$ | $\begin{aligned} & \text { Le } \\ & \text { N } \\ & 0 . \\ & 0 \end{aligned}$ |
|  | （sวuวn） <br> ฉэрдші Кıрıодшац | $\begin{array}{\|c} \hline 0 \\ \hline 0 \\ \text { N } \\ \text { No } \end{array}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \underset{\sim}{3} \end{aligned}$ | $\begin{array}{\|l\|l} \hline \text { No } \\ \text { N } \\ \text { N } \\ 0 \end{array}$ | 앙 | $$ | $\begin{aligned} & \text { O} \\ & \text { H} \\ & \text { సे } \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { O. } \\ & \text { N } \\ & \text { Ni } \end{aligned}$ | $$ |
|  | （sวитр）рәин ұэрдшш ұиаиршиад | $\begin{array}{\|l\|} \hline \text { N } \\ \text { O} \\ \text { O. } \end{array}$ | $\begin{array}{\|l} \hline 0 \\ 0 \\ 0 \\ 0 . \\ \hline \end{array}$ | $\begin{array}{\|l} \hline N \\ \hline 8 \\ 0 \\ 0 \end{array}$ |  | $\begin{aligned} & \hline \dot{8} \\ & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { No } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & 10 \\ & \text { 丽 } \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline \text { 이 } \\ & \text { O} \\ & \text { on } \end{aligned}$ | $\begin{aligned} & \text { O} \\ & \text { ò } \\ & \text { O. } \end{aligned}$ |
|  | （sәитр）раин ฉэрдшш Кıр．одшац | $\begin{aligned} & \text { O} \\ & \text { O } \\ & \text { on } \\ & 0 \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { o } \\ \text { N } \\ \text { ó } \end{array}$ | $$ | $\begin{array}{\|l} \text { N } \\ \text { N } \\ \text { O} \\ \hline 0 \end{array}$ | $\begin{array}{\|l\|l} \infty \\ \infty \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{array}{\|c} \hline \stackrel{\rightharpoonup}{N} \\ \vdots \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \text { O} \\ & \text { O } \\ & 0 . \end{aligned}$ | $\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \infty \\ & \stackrel{\infty}{5} \\ & 0 \\ & 0 \end{aligned}$ |
|  | （ұวəf）чұจึววт <br>  | $\begin{aligned} & \text { n } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { No } \\ & \text { O } \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { G } \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { O } \\ & \text { ㄱ } \\ & \text { In } \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \mathbf{N} \\ & \mathbf{O} \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \end{aligned}$ |
|  | （ұәдf）чұяиวт su！̣ssouว К．ı．ıоdwà | $\begin{aligned} & \text { Q } \\ & \text { N } \\ & \text { O } \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & + \\ & + \end{aligned}$ | $\begin{aligned} & 0 \\ & \underset{\infty}{\infty} \\ & \dot{\infty} \end{aligned}$ | $\begin{aligned} & 10 \\ & + \\ & \infty \\ & \infty \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \\ & \end{aligned}$ | $\begin{aligned} & 4 \\ & 0 \\ & \hline \\ & \hline \end{aligned}$ | $\begin{aligned} & N \\ & \text { N } \\ & \underset{\sim}{i} \end{aligned}$ | $\begin{aligned} & 10 \\ & \stackrel{1}{6} \\ & \dot{-} \end{aligned}$ | $\begin{aligned} & \dot{0} \\ & \dot{8} \\ & \dot{\circ} \end{aligned}$ |
|  | วฺ๐ирирьпб |  |  |  |  |  |  |  |  | $\begin{gathered} \underset{0}{\tilde{0}} \\ \stackrel{\rightharpoonup}{0} \\ \end{gathered}$ |
|  | （dịysumoL） <br>  |  |  |  |  |  |  |  |  |  |
|  | арпт！®иот |  |  | $$ |  |  | $$ |  |  |  |
|  | әрпъ？ұрт | $\begin{array}{\|l\|l} \hline 0 \\ \infty \\ 0 \\ \hline \\ \hline \end{array}$ |  | $$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \text { on } \\ & \underset{子}{\prime} \end{aligned}$ |  | $$ | $\begin{aligned} & \text { H } \\ & 0 \\ & \text { H } \\ & \text { N } \\ & \text { - } \end{aligned}$ |  | 10 $\vdots$ $\stackrel{1}{4}$ $\stackrel{1}{4}$ 7 |
|  |  | $\begin{aligned} & \text { M } \\ & \sum \\ & \text { 年 } \\ & E \\ & E \end{aligned}$ |  |  |  |  |  | $\begin{aligned} & \sum_{1}^{5} \\ & \text { Ki } \\ & \sum 0 \end{aligned}$ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  | $\begin{aligned} & \text { 会 } \\ & \text { 兑 } \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ |  |  |  |  |  |  |  | $\begin{aligned} & \text { No } \\ & \text { E } \\ & \text { B } \\ & 3 \\ & 3 \end{aligned}$ |
|  |  | FiN pion |  | N゙かo po f |  | 荈 | on of ir | ボ농ํ <br>  |  | Niఝ్ ేit i |


|  |  | $\begin{aligned} & 5 \\ & 3 \end{aligned}$ | $\stackrel{F}{3}$ | $3$ | $\begin{array}{\|c} \hline \stackrel{0}{0} \\ \dot{Z} \end{array}$ | $3$ | $\stackrel{F}{3}$ | $3$ | 苂 | $3$ | $\begin{aligned} & \mathrm{E} \\ & \mathrm{~B} \end{aligned}$ | $3$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\geq$ | $\mapsto$ | $\mapsto$ | Z | E | 2 | Z | Q | 2 | Q | Z |
|  | ${ }_{q}{ }^{\text {ad＾}}$ L ${ }^{\text {sunssou，}}$ | 氐 | 氐 | 令 | $\sum_{\text {A1 }}^{\text {An }}$ |  |  |  |  |  |  |  |
|  | （sวぃวn） <br> ээрдшш ұиаиршиад | $\begin{aligned} & 8 \\ & 8 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { g } \\ & \underset{3}{0} \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & \underset{3}{7} \\ & 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline 8 \\ & 0 . \\ & 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \stackrel{8}{\circ} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 8 \\ & 0 . \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \circ \\ & 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \stackrel{8}{\circ} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 . \\ & 0 \\ & \hline \end{aligned}$ |
|  | （sวuวn） <br>  | $\begin{aligned} & \text { N } \\ & \stackrel{y}{\circ} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { n } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \\ & \\ & \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & 0 . \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \underset{O}{0} \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \underset{\infty}{\infty} \\ & \underset{\sim}{1} \\ & - \end{aligned}$ | $$ | $\begin{aligned} & \text { O} \\ & \underset{\circ}{0} \\ & 0 \\ & 0 \end{aligned}$ |
|  | （sәиэд）ралн ээрдшш ұиаиьшиад | $\circ$ <br> 8 <br> 8 <br> 0 | $\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline 8 \\ \hline 8 \\ \hline 0 \\ \hline \end{array}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | 8 <br> 8 <br> 8 <br> 0 | $\begin{array}{\|l} \hline 8 \\ \hline 8 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \circ \\ & 8 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \circ \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|l} \hline 8 \\ \hline 8 \\ \hline 0 \\ \hline \end{array}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ |
|  | （sдиэр）рәин ฉэраші К．д．иодшәц | 8 <br> 8 <br> 8 <br> 0 | $\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & 0 \\ & \hline \\ & \text { O} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|l} \hline 8 \\ \hline 8 \\ \hline 0 \\ \hline \end{array}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline 8 \\ \hline 8 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \hline 8 \\ & 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline 8 \\ 8 \\ \hline 0 \\ \hline \end{array}$ | $\begin{aligned} & \hline 8 \\ & 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ |
|  | （ұวәf）чұธัวт <br> su！̣sощр ұиәиршидд | $8$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \hline 1 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 . \\ & 0 \\ & \hline \end{aligned}$ | $8$ | $8$ | $8$ | $\begin{aligned} & 8 . \\ & 0 \\ & \hline \end{aligned}$ | $0 .$ | $0$ |
|  | （ұวдғ）ч孔ฐиวт su！̣ssoū К．ıриодшдL | $8$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | $\begin{aligned} & -1 \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 . \\ & 0 \\ & \hline \end{aligned}$ | $8$ | $8$ | $8$ | $8$ | $\begin{aligned} & 8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 . \\ & 0 \\ & \hline \end{aligned}$ |
|  | วุяирррпб | 急荌 | 至苞 | 坣荌 | $\begin{aligned} & \text { 百 } \\ & \text { 雨 } \end{aligned}$ |  |  |  |  |  | $\begin{array}{\|c} \text { In } \\ \text { dy } \\ \text { d } \end{array}$ |  |
|  | （d！ysumo $L$ ） <br>  |  |  |  |  |  |  | 药 要 出 |  |  |  |  |
|  | арпұ！®иот | $$ | $$ | $\begin{array}{\|l} 20 \\ 0 \\ 7 \\ 7 \\ 6 \\ 1 \\ \hline \end{array}$ | $\begin{array}{\|l} \hline 7 \\ 7 \\ 0 \\ 0 \\ 0 \\ 1 \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline 1 \\ \hline 1 \\ \hline \\ \hline \end{array}$ | $$ | 0 <br> 10 <br> + <br> + <br> 1 <br> 1 <br> 1 |  |  |  | $$ |
|  | ${ }^{\text {apnұ！}}$ ¢ $T$ | $\begin{aligned} & \text { g } \\ & \underset{\sim}{N} \\ & \text { N } \\ & \text { N } \\ & \underset{子}{2} \end{aligned}$ |  | 9 $\stackrel{3}{0}$ 0 $\stackrel{y}{7}$ | $\begin{aligned} & \infty \\ & \text { N } \\ & \text { O. } \\ & \text { O} \\ & \text { - } \end{aligned}$ | $\begin{aligned} & \text { İ } \\ & \text { 莫 } \\ & \text { H } \\ & \text { H. } \end{aligned}$ |  | $\begin{aligned} & 20 \\ & 0 \\ & 0 \\ & 0 \\ & 7 \\ & 7 \end{aligned}$ | H H N O． － |  | $\begin{aligned} & \text { in } \\ & \text { N̈ } \\ & \text { N } \\ & \text { H } \end{aligned}$ |  |
|  |  <br> \＆6 идғдичว |  |  | $\begin{aligned} & \text { 敩 } \\ & \sqrt[y y y y]{c} \\ & \vdots \end{aligned}$ |  | $\begin{aligned} & \text { 敩 } \\ & \sqrt[y y y y]{c} \\ & \sum \end{aligned}$ |  |  |  | $\begin{aligned} & \text { 寽 } \\ & \text { 我 } \\ & \vdots \\ & 0 \end{aligned}$ |  |  |
|  | วนшก шиวıтS |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | $\begin{aligned} & \text { e. } \\ & \text { E. } \\ & 1 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ |  |  |  | $\begin{aligned} & \text { ㅇ. } \\ & \text { EO } \\ & \text { 1on } \\ & \text { N } \end{aligned}$ |  | $\begin{aligned} & \dot{1} \\ & \text { on } \\ & 1 \\ & 1 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ | $$ |  |
|  |  | $\begin{aligned} & \text { e } \\ & \hline 0 \end{aligned}$ |  | No Nivic | $\underset{\sim}{\infty}$ | $\underset{\infty}{\infty}$ | $\underset{\infty}{\infty}$ | $\begin{aligned} & \underset{\infty}{\infty} \\ & \infty \end{aligned}$ | $\begin{array}{\|l\|} \infty \\ \infty \\ \infty \end{array}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \end{aligned}$ | $\begin{array}{\|l\|l} \infty \\ \infty \\ \infty \end{array}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \end{aligned}$ |


| Identification |  |  |  | Location |  |  |  | Stream Impacts |  |  |  | Floodway Impacts |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 387 | $\begin{gathered} \text { WW-T17- } \\ 14003 \end{gathered}$ | York Hollow | CWF, MF | 41.25027 | -76.42410 | Jackson | Elk Grove | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.1229 | 0.0000 | $\begin{gathered} \text { TEMP } \\ \text { RD } \end{gathered}$ | IV | WT |
| 388 | $\begin{gathered} \text { WW-T17- } \\ 14002 \end{gathered}$ | $\begin{aligned} & \text { UNT to } \\ & \text { York } \\ & \text { Hollow } \end{aligned}$ | CWF, MF | 41.24993 | -76.42415 | Jackson | Benton | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0423 | 0.0000 | $\begin{gathered} \text { TEMP } \\ \text { RD } \end{gathered}$ | IV | WT |
| 389 | $\begin{gathered} \text { WW-T17- } \\ 14002 \end{gathered}$ | UNT to York Hollow | CWF, MF | 41.24993 | -76.42415 | Jackson | Benton | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0933 | 0.0000 | $\begin{aligned} & \text { TEMP } \\ & \text { RD } \end{aligned}$ | IV | WT |
| 390 | $\begin{gathered} \text { WW-T04- } \\ 12001 \end{gathered}$ | Susquehanna River | WWF | 40.95229 | -76.48139 | Montour | Catawissa | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.9823 | 0.0000 | $\begin{gathered} \text { TEMP } \\ \text { RD } \end{gathered}$ | IV | $\begin{gathered} \mathrm{WWC} \\ \mathrm{~W} \end{gathered}$ |
| $\begin{aligned} & \hline 391, \\ & 392 \\ & \hline \end{aligned}$ | $\begin{gathered} \text { WW-T70- } \\ 12006 \end{gathered}$ | Fishing Creek | WWF, MF | 41.01647 | -76.47557 | Hemlock | Blooms- burg | 76.83 | 0.00 | 0.0258 | 0.0000 | 0.0290 | 0.0000 | WWD | N/A | $\begin{gathered} \text { WWC } \\ \text { W } \end{gathered}$ |
| $\begin{aligned} & 393, \\ & 3994 \end{aligned}$ | $\begin{gathered} \text { WW-T88- } \\ 004 \end{gathered}$ | Susquehanna River | WWF | 40.95352 | -76.46625 | Catawissa | Catawissa | 95.01 | 0.00 | 0.0250 | 0.0000 | 0.2046 | 0.0000 | WWD | N/A | $\begin{gathered} \text { WWC } \\ \text { W } \end{gathered}$ |
|  |  |  |  |  |  |  | Totals | 6523.31 | 784.41 | 1.8082 | 0.5704 | 48.8040 | 3.2286 |  |  |  |

${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application.
${ }^{\mathrm{b}}$ Gas=gas pipeline crossing or floodway impacts, TBC=temporary bridge crossing, TEMPRD = temporary road crossing, WWD=water withdrawal location ${ }^{\mathrm{c}}$ I=Dry Crossing Method includes Dam \& Pump, Flume, or Cofferdam, II=Trenchless Crossing Method—Horizontal Directional Drill, III=Trenchless Crossing Method-Conventional Bore, IV=Floodway Impacts Only; V=Bridge Equipment Crossing

[^10]Appendix 1-Project Impacts



|  |  |  | $\begin{array}{\|l} \hline 0 \\ \stackrel{y}{\mathrm{Z}} \end{array}$ | $$ | $\begin{aligned} & \stackrel{0}{8} \\ & \stackrel{y}{4} \end{aligned}$ |  | $\begin{aligned} & 0 \\ & \stackrel{y}{\mathrm{z}} \end{aligned}$ | $$ | $\begin{aligned} & \stackrel{0}{8} \\ & \stackrel{y}{4} \end{aligned}$ |  | $\begin{aligned} & \stackrel{0}{8} \\ & \stackrel{y}{4} \end{aligned}$ | $$ |
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|  | ${ }^{\text {a }}$ d $\mathcal{K}_{L}$ sulussouJ |  | 荷 | 恣 | 鸷 | 娎 | 鸷 | 鸷 | 䳐 |  |  | 鸷 |
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|  |  | $\begin{array}{\|l} 2 \\ 2 \\ 2 \end{array}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline \stackrel{\circ}{\circ} \\ & 0 . \\ & \hline . \end{aligned}$ | $\begin{array}{\|l\|l} \hline 0.0 \\ 0.0 \\ 0 \\ \hline \end{array}$ | 응 | $\begin{aligned} & \hline 8 \\ & \hline 0.0 \\ & \hline 0 \end{aligned}$ | $\begin{array}{\|l} \hline 8 \\ \hline 8 \\ \hline 0 \end{array}$ | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \hline \mathrm{O} \end{aligned}$ | 응 | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \hline \mathrm{O} \end{aligned}$ |
|  |  | 品 | $\begin{array}{\|l\|l} \hline 20 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ |  | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \hline \mathrm{O} \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | 응 | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline 8 \\ \hline 8 \\ \hline 8 \end{array}$ | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \hline \mathrm{O} \end{aligned}$ | 응 | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \hline \mathrm{O} \end{aligned}$ |
|  | （sa．ın）pa．．ム <br>  | $\begin{array}{\|l\|l} \text { Z } \\ \text { 年 } \end{array}$ | $\begin{array}{\|l\|l} \hline \stackrel{\circ}{8} \\ \text { O} \\ \hline \end{array}$ | $\begin{array}{\|c} \hline \underset{N}{\underset{N}{0}} \\ \text { O} \end{array}$ | $\begin{aligned} & \hline \mathrm{O} \\ & \hline \mathrm{O} \\ & \mathrm{O} \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|l} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\circ$ <br> 8 <br> 0 <br> . | $\begin{array}{\|l\|l} \hline 0 \\ \text { in } \\ \text { in } \\ 0 \end{array}$ | $\begin{aligned} & \overrightarrow{0} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline \stackrel{\rightharpoonup}{\theta} \\ & \stackrel{\rightharpoonup}{0} \\ & 0 \end{aligned}$ | $\begin{array}{\|l} \hline \text { in } \\ \text { O } \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \text { Noy } \\ & \text { O. } \\ & 0 . \end{aligned}$ |
|  |  | $\begin{aligned} & 2 \\ & V_{2} \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline \mathrm{O} \\ & \hline \mathrm{O} \end{aligned}$ | $\begin{aligned} & \text { ơo } \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Ơ } \\ & \text { 訁̈ } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline \mathbf{0} \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \mathrm{O} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & 0 . \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline \mathbf{0} \end{aligned}$ |
|  |  | 足 | $\begin{aligned} & \text { 응 } \\ & 0 . \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{2} \\ & \stackrel{0}{C} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline \mathrm{O} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \mathrm{O} \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \mathrm{O} \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \mathrm{O} \end{aligned}$ |
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|  | әрпп！ธиот $^{\text {¢ }}$ |  | $\begin{array}{\|l} \hline 0 \\ \ddot{O} \\ \underset{7}{2} \\ 0 \\ \end{array}$ |  |  |  |  |  |  |  |  | $\begin{array}{\|l\|} \hline \text { H } \\ \text { LO } \\ 0 \\ 0 \\ \hline \end{array}$ |
|  |  |  |  |  |  |  | $\begin{aligned} & \text { N } \\ & \text { O} \\ & \text { O} \\ & \text { H. } \end{aligned}$ |  | $\begin{aligned} & 0.0 \\ & \stackrel{\circ}{2} \\ & \underset{\sim}{0} \\ & \dot{子} \end{aligned}$ | $\begin{aligned} & \text { O} \\ & \text { N. } \\ & \text { N. } \\ & \underset{子}{j} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \dot{子} \end{aligned}$ |  |
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|  |  | $\begin{array}{\|l\|l} y_{2} \\ V_{2} \end{array}$ | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \mathrm{O} \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & 8 \\ & 8 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \end{aligned}$ | 응 | $\begin{array}{\|l} \hline 8 \\ \hline 0 . \\ \hline 0 . \end{array}$ | $\begin{aligned} & 8 \\ & \hline 0.6 \\ & 0 . \\ & \hline \end{aligned}$ | O. | 응 | 응 | $$ |
|  |  | $\begin{array}{\|l\|l\|} \hline \text { P } \\ 2 \\ \hline \end{array}$ | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \mathrm{O} \end{aligned}$ | $\begin{array}{\|c} \hline 8 \\ \text { di } \\ \text { o. } \\ \hline \end{array}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \end{aligned}$ | 응 | 응 | $\begin{aligned} & 8 \\ & \hline 0.6 \\ & 0 . \\ & \hline \end{aligned}$ | O | 응 | $\stackrel{8}{\circ}$ | 응 |
|  |  <br>  | $\left\lvert\,\right.$ | $\begin{array}{\|l\|} \hline \begin{array}{c} \text { y } \\ \text { O} \\ 0 \end{array} \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline \text { N } \\ \text { No } \\ \text { On } \end{array}$ |  | $\begin{array}{\|l} \hline \stackrel{\rightharpoonup}{7} \\ \vec{O} \end{array}$ | $$ | $\begin{array}{\|l\|} \hline \begin{array}{l} 9 \\ \underset{~}{4} \\ 0 \\ \hline \end{array} \\ \hline \end{array}$ | $\circ$ <br> 0 <br> $\circ$ | $\begin{array}{\|l\|} \hline \underset{O}{Z} \\ O \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \text { 등 } \\ & 0 . \end{aligned}$ | $\begin{aligned} & \infty \\ & \vec{Z} \\ & 0 \end{aligned}$ | N |  |
|  |  | $\begin{array}{\|l} y_{2} \\ n_{2} \end{array}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0.0 \\ & 0 . \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & 8 \\ & \hline 8 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { Io } \\ & \text { © } \\ & \text { ob } \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \mathrm{O} \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 6 \\ & \hline 6 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & 0 \\ & 0.8 \\ & 0 . \end{aligned}$ |
|  |  | 足 | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\theta} \\ & \stackrel{0}{0} \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline \mathrm{O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 0 \\ & 0 . \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & \hline 0.0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ |
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|  |  |  | 4 0 0 0 0 0 $!$ | 0 0 0 0 $!$ 0 $i$ |  |  | 0 0 0 0 4 0 | 0 <br> 0 <br> 0 <br> 0 <br> $!$ <br> 0 <br> $i$ | $\begin{aligned} & 10 \\ & 0.0 \\ & 10 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 7 \\ & 7 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { 箘 } \\ & \ddagger \\ & \hline 6 \end{aligned}$ |  |  |  |
|  |  |  | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & 0 \\ & 0 \\ & \underset{子}{j} \end{aligned}$ |  |  | $\begin{aligned} & \stackrel{\circ}{\circ} \\ & 0 \\ & o \\ & o \\ & \dot{子} \end{aligned}$ | $\begin{aligned} & \ddot{H} \\ & \underset{~}{7} \\ & \underset{子}{2} \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \underset{\sim}{2} \\ & \overrightarrow{7} \\ & \underset{子}{2} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & \text { No } \\ & \underset{7}{7} \end{aligned}$ |  | 䂫 |  |
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| Identification |  | Location |  |  |  | Wetland Impacts |  |  |  |  |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | PFO | PSS | PEM | PFO | PSS | PEM |  |  |  |
| $\begin{aligned} & \hline 341, \\ & 342 \end{aligned}$ | W-T15-14003 | 41.20803 | -76.43026 | Jackson | Benton | 0.0000 | 0.0000 | 0.0075 | 0.0000 | 0.0000 | 0.0068 | GAS | I | EV |
| $\begin{aligned} & 352, \\ & 353 \end{aligned}$ | W-T15-14004 | 41.22367 | -76.42675 | Jackson | Benton | 0.0000 | 0.0000 | 0.0276 | 0.0000 | 0.0000 | 0.0044 | GAS | I | EV |
| $\begin{aligned} & 367, \\ & 368 \end{aligned}$ | W-T02-14001 | 41.25240 | -76.42429 | Jackson | Elk Grove | 0.0000 | 0.0000 | 0.0695 | 0.0000 | 0.0000 | 0.0143 | GAS | I | EV |
| $\begin{aligned} & 377, \\ & 378 \end{aligned}$ | W-T06-14001 | 41.26733 | -76.41009 | Jackson | Elk Grove | 0.0000 | 0.0000 | 0.0196 | 0.0000 | 0.0000 | 0.0048 | GAS | I | EV |
|  |  |  |  |  | Totals | 0.4924 | 0.1920 | 4.2558 | 0.4193 | 0.0218 | 0.4468 |  |  |  |

${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's applications.

[^11]Lacustrine Impact Table: Columbia County

| Identification |  |  |  | Location |  |  |  | Lacustrine Impacts |  |  |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & 151, \\ & 152 \end{aligned}$ | WB-T35-11001 | Unnamed Pond | None | 40.898225 | -76.487322 | Franklin | Catawissa | 152.58 | 42.56 | 0.0554 | 0.0083 | GAS | I | None |
| $\begin{aligned} & 188, \\ & 189 \end{aligned}$ | WB-T89-001 | Unnamed Pond | CWF, MF | 40.981657 | -76.499342 | Montour | Catawissa | 92.90 | 78.19 | 0.1224 | 0.0175 | GAS | I | None |
|  |  |  |  |  |  |  | Totals | 245.48 | 120.75 | 0.1778 | 0.0258 |  |  |  |

${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application. ${ }^{\mathrm{c}}$ I=Dry Crossing Method includes Dam \& Pump, Flume, or Cofferdam, II=Trenchless Crossing Method—Horizonta Crossing Method-Conventional Bore, IV=Floodway Impacts Only; V=Bridge Equipment Crossing
E36-947, Transcontinental Gas Pipe Line Company, LLC, 2800 Post Oak Blvd, Level 6, Houston, TX 77056, Atlantic Sunrise Pipeline Project, Conestoga Township, Drumore Township, East Donegal Township, Eden Township, Manor Township, Martic Township, Mount Joy Township, Pequea Township, Rapho Township, West Hempfield Township and Mount Joy Borough, Lancaster County, ACOE Baltimore District. The proposed project starts approximately 0.48 mile south of Interstate Route 0076 at the Lancaster and Lebanon County boundary (Elizabethtown, PA Quadrangle N: $40^{\circ} 12^{\prime} 30$; W. $-76^{\circ} 31^{\prime} 49^{\prime \prime}$ ) and ends approximately 1.97 mile east of State Route 0272 at the Lancaster County Central Penn Line South tie-in (Holtwood, PA Quadrangle $\mathrm{N}: 39^{\circ} 50^{\prime} 09^{\prime \prime}$; W: $-76^{\circ} 15^{\prime} 15^{\prime \prime}$ ).
To construct, operate and maintain approximately 37.1 miles of 42 -inch diameter pipeline and appurtenant structures associated with the Lancaster County portion of the Atlantic Sunrise Pipeline Project Central Penn Line South. The proposed project impacts in Lancaster County include a total of 4,276 linear feet of temporary stream impacts, a total of 573 linear feet of permanent stream impacts, 19.40 acres of temporary floodway impacts, 1.90 acre of permanent impacts to PEM and PFO wetlands. Specific impacts are shown in Appendix 1. The permittee is required to compensate for the proposed permanent PFO project impacts in Lancaster County by providing 1.11 acre of successful compensatory wetland mitigation through a combination of wetland creation and wetland enhancement located at the Hibred Farm Mitigation Project along State Route 0897 (Wormelsdorf, PA Quadrangle N: $40^{\circ} 17{ }^{\circ}$. $02.38^{\prime \prime} ;$ W: $76^{\circ} 10^{\prime} 34.34 .03^{\prime \prime}$ ) in West Cocalico Township, Lancaster County. This mitigation site shall compensate for the proposed permanent project impacts in Lebanon and Lancaster Counties by creating a total of 7.03 acres of wetland rehabilitation and enhancement of existing wetlands. The proposed impacts for compensatory wetland mitigation at ribred Farms Mitigation Project include a total of 1170 linear feet of temporary stream impact of an unnamed tributary to Cocalico Creek (HQ-WWF, MF) and 0.18 acre of PEM wetland.
Any person aggrieved by this action may file a petition for review pursuant to Section 19(d) of the Federal Natural Gas Act, 15 U.S.C.A. § $717 r(d)$, with 30 days of publication of this notice, or within 30 days of receipt of written notice of this action, whichever occurs first. Important legal rights are at stake, so 30 days of publication of this notice, or within 30 days of receipt of written notice of this action, whichever occurs first. Important legal rights are at stake, so
you should show this document to a lawyer at once.
Appendix 1—Project Impacts


| Identification |  |  |  | Location |  |  |  | Stream Impacts |  |  |  | Floodway Impacts |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  | $\begin{gathered} \text { Temporary Crossing } \\ \text { Length (feet) } \end{gathered}$ |  |  |  |  |  | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \text { N } \\ & \text { N } \\ & \text { E. } \\ & 0.8 \end{aligned}$ | opoyzaw wiulssouT |  |
| $\underset{4}{1,2,3}$ | $\begin{gathered} \text { WW-T10- } \\ 001 \end{gathered}$ | UNT to Fishing Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 39.83912 | -76.25591 | Drumore | Holtwood | 82.60 | 10.30 | 0.0353 | 0.0056 | 0.2420 | 0.0255 | GAS | I | WT |
| $\begin{gathered} 5,6,7, \\ 8 \end{gathered}$ | $\begin{gathered} \text { WW-T10- } \\ 003 \end{gathered}$ | Muddy Run | TSF, MF | 39.85550 | -76.26253 | Drumore | Holtwood | 104.05 | 12.80 | 0.0625 | 0.0099 | 0.1511 | 0.0170 | GAS | I | None |
| 9, 10 | $\begin{gathered} \text { WW-T10- } \\ 003 A \end{gathered}$ | UNT to Muddy Run | TSF, MF | 39.85557 | -76.26258 | Drumore | Holtwood | 47.68 | 10.35 | 0.0136 | 0.0026 | 0.0000 | 0.0000 | GAS | I | None |
| 13 | $\begin{gathered} \text { WW-T61- } \\ 001 \end{gathered}$ | UNT to Muddy Run | TSF, MF | 39.86218 | -76.27387 | Martic | Holtwood | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0159 | 0.0000 | GAS | IV | None |
| $\begin{aligned} & 14,15 \\ & 16,17 \end{aligned}$ | $\begin{gathered} \text { WW-T10- } \\ 004 \end{gathered}$ | Tucquan Creek | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 39.88144 | -76.27503 | Martic | Conestoga | 65.96 | 10.01 | 0.0106 | 0.0011 | 0.1630 | 0.0234 | GAS | I | WT |
| $\begin{array}{\|l} 19,20, \\ 21,22 \end{array}$ | $\begin{gathered} \text { WW-T62- } \\ 001 \end{gathered}$ | UNT to Trout Run | $\begin{gathered} \text { HQ-CWF, } \\ \text { MF } \end{gathered}$ | 39.89267 | -76.29137 | Martic | Conestoga | 66.19 | 10.00 | 0.0224 | 0.0035 | 0.1090 | 0.0126 | GAS | I | CA |
| $\begin{array}{\|l} 29,30, \\ 31,32 \end{array}$ | $\begin{gathered} \text { WW-T10- } \\ 100 \end{gathered}$ | UNT to Climbers Run | CWF, MF | 39.91245 | -76.30849 | Martic | Conestoga | 88.07 | 11.56 | 0.0206 | 0.0030 | 0.1818 | 0.0191 | GAS | I | None |
| $\begin{array}{\|l\|} 33,34, \\ 35,36 \end{array}$ | $\begin{gathered} \text { WW-T20- } \\ 002 \end{gathered}$ | $\begin{aligned} & \text { Climbers } \\ & \text { Run } \end{aligned}$ | CWF, MF | 39.91624 | -76.31068 | Martic | Conestoga | 83.58 | 10.55 | 0.0458 | 0.0057 | 3.6354 | 0.3279 | GAS | I | None |
| 37, 38 | $\begin{gathered} \text { WW-T31- } \\ 002 \mathrm{~A} \end{gathered}$ | UNT to <br> Pequea Creek | WWF, MF | 39.91946 | -76.31694 | Martic | Conestoga | 103.90 | 11.59 | 0.0119 | 0.0013 | 0.0000 | 0.0000 | GAS | I | None |
| $\begin{array}{\|l} 39,40, \\ 41,42 \end{array}$ | $\begin{gathered} \text { WW-T31- } \\ 002 \end{gathered}$ | UNT to Pequea Creek | WWF, MF | 39.91953 | -76.31701 | Martic | Conestoga | 83.55 | 10.59 | 0.0328 | 0.0047 | 0.2814 | 0.0228 | GAS | I | None |
| 43, 44 | $\begin{gathered} \text { WW-T65- } \\ 001 \end{gathered}$ | UNT to <br> Pequea Creek | WWF, MF | 39.92028 | -76.31868 | Martic | Conestoga | 101.77 | 10.01 | 0.0264 | 0.0025 | 0.0000 | 0.0000 | GAS | I | None |
| $\begin{gathered} 45,46, \\ 47.48 \end{gathered}$ | $\begin{gathered} \text { WW-T31- } \\ 003 \end{gathered}$ | Pequea Creek | WWF, MF | 39.92076 | -76.31997 | Martic | Conestoga | 91.78 | 10.19 | 0.2059 | 0.0238 | 2.9622 | 0.2143 | GAS | I | None |


|  |  |  | $\begin{array}{\|l} 8 \\ 8 \\ \hline \end{array}$ |  | $\begin{array}{\|l} 8 \\ \\ \hline \end{array}$ |  | $\begin{array}{\|l} 8 \\ \\ \hline \end{array}$ |  | $$ | $$ | $$ |  | $$ |
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|  |  | \|্ণ | $$ | $\begin{array}{\|c} \substack{4 \\ \mathbf{U} \\ \hline} \end{array}$ | $\begin{array}{\|c} \text { 令 } \\ \hline \end{array}$ | $$ | 荷 | $$ | $$ | 荷 | $$ | 花 | $$ |
|  | （sวみวn） ээрдші чиәившıдд | $\begin{aligned} & \infty \\ & \text { İ } \\ & 0 . \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & 0.0 \\ & \hline 0.0 \\ & \hline 0 . \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \text { ö } \\ & \text { öd } \\ & 0 . \end{aligned}$ | $\begin{aligned} & \text { 응 } \\ & \text { O. } \end{aligned}$ |  | $\begin{aligned} & \text { İ } \\ & \text { od } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { 깅 } \end{aligned}$ | $\begin{aligned} & \text { on } \\ & \text { No } \\ & 0 . \end{aligned}$ | $\begin{aligned} & \text { on } \\ & \text { No } \\ & 0 . \end{aligned}$ | $\begin{aligned} & \text { İ } \\ & \text { 犬 } \\ & \text { O. } \end{aligned}$ |
|  | （sаиว ） ฉэрдші Кıрıодшац | $\begin{gathered} ஜ 0 \\ 0 \\ 0 \\ 0 \end{gathered}$ | $\begin{gathered} 0 \\ \ddot{\theta} \\ \underset{0}{0} \\ 0 \end{gathered}$ | $\begin{aligned} & \text { Ho } \\ & 0 \\ & 0.0 \\ & 0 . \end{aligned}$ | $$ | $\begin{aligned} & \text { İ } \\ & \text { N} \\ & \text { Non } \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { Non } \\ & \text { Nix } \end{aligned}$ | $\begin{array}{\|c} \hline 0 \\ \text { N } \\ \text { No } \end{array}$ | $\begin{array}{\|c} \text { ô } \\ 0.0 \\ \text { on } \end{array}$ |  | $\begin{array}{\|c} \infty \\ \stackrel{\infty}{7} \\ 0 \end{array}$ | $\begin{aligned} & \text { ت} \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  | （sa．ın）pa．ı ฉวрдші ұиәиршидд | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { No } \\ & \text { Ô } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{N} \\ & \stackrel{8}{8} \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \stackrel{\rightharpoonup}{8} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{N} \\ & \stackrel{\rightharpoonup}{8} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & 0.8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { ت゙ } \\ & \text { O} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0.0 \\ & 0.0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  | （sวaวn）рал <br>  | $\begin{aligned} & 9 \\ & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline 0 \\ & 0 . \\ & \hline 0 \end{aligned}$ | $$ | $\begin{aligned} & 0 \\ & 0.8 \\ & 0 . \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & 0.8 \\ & 0.0 \\ & 0 . \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { on } \\ & \text { O} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & 0.8 \\ & 0 . \\ & 0 \\ & \hline 0 \end{aligned}$ |  | $\begin{aligned} & \text { No } \\ & \hline 0 . \\ & 0 . \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
|  | （дәә）чұ尺̊иวт รи！ssouд ұиәипшидд | $\stackrel{\circ}{\circ}$ | $\begin{aligned} & \mathrm{O} \\ & \stackrel{\rightharpoonup}{\mathrm{O}} \\ & \end{aligned}$ | $\stackrel{8}{0}$ | $$ | $\begin{aligned} & \text { on } \\ & \stackrel{\sim}{\mathrm{O}} \end{aligned}$ | $\begin{aligned} & \text { ๗ } \\ & \text { ì } \\ & \hline \end{aligned}$ | $$ | $\begin{aligned} & \\ & \dot{\circ} \\ & \dot{\circ} \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \underset{\sim}{\infty} \end{aligned}$ |  | $\stackrel{8}{0}$ |  |
|  | （дәә）чұรึиวт <br>  | $\begin{aligned} & \mathscr{\circ} \\ & \stackrel{\leftrightarrow}{6} \\ & \dot{C} \end{aligned}$ | $\left\lvert\, \begin{gathered} 0 \\ 0 \\ 0 \\ \infty \end{gathered}\right.$ | $8$ |  | $\begin{array}{\|c} \underset{\sim}{\text { on }} \\ \text { ís } \end{array}$ | $\begin{aligned} & \infty \\ & \stackrel{\circ}{\circ} \\ & \stackrel{y}{\circ} \end{aligned}$ | $\underset{\substack{8 \\ \stackrel{\circ}{\infty} \\ \stackrel{\infty}{2}}}{ }$ | $\begin{aligned} & 4 \\ & \underset{\sim}{8} \\ & 8 \end{aligned}$ | $\begin{aligned} & \text { ت} \\ & \text { Nó } \end{aligned}$ | $$ | $\underset{\infty}{\infty}$ | $\begin{aligned} & \underset{7}{7} \\ & \text { 守 } \end{aligned}$ |
| $\begin{aligned} & \text { ñ } \\ & \text { 気 } \\ & 0.4 \end{aligned}$ |  |  |  |  |  |  | \％ 0 0 0 0 0 0 0 |  |  |  | $\begin{aligned} & \hline \text { 咸 } \\ & 0 \\ & 000 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  |  |
|  | （d？̧̣sumoL） אไ？ipd！̣？ | $\begin{aligned} & \text { 感 } \\ & \text { U0 } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|l\|l\|} \hline 0_{0}^{0} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ |  | $\begin{array}{\|l\|l\|} \hline 0_{0}^{0} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{array}{\|l\|l} \hline 0_{0}^{0} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ |  | $\begin{array}{\|l\|l\|} \hline 0_{0}^{0} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $\begin{array}{\|l\|l} \hline 0 \\ 0.0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ | $$ | $\begin{aligned} & \hline \text { 感 } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  |  |
|  | грпп！sиот $^{\text {¢ }}$ |  | $\begin{aligned} & \underset{\sim}{9} \\ & \underset{\sim}{0} \\ & 0 \\ & \end{aligned}$ |  |  |  |  |  | $\begin{aligned} & \text { H } \\ & \stackrel{\rightharpoonup}{\circ} \\ & 0 \\ & 0 \\ & \underset{\sim}{0} \end{aligned}$ |  |  | $\begin{aligned} & \text { İ } \\ & \text { O} \\ & 0 \\ & 0 \\ & \end{aligned}$ |  |
|  | әрпұ？${ }^{\text {² }}$ т |  |  |  |  | $\begin{aligned} & \text { ion } \\ & \stackrel{0}{\circ} \\ & \text { on } \\ & \underset{\sim}{\circ} \end{aligned}$ |  |  |  |  |  |  |  |
|  |  \＆6 ィวдаич， | 运 | $\begin{array}{\|l\|l\|l\|l\|l\|l\|} \hline 1 \\ \hline \end{array}$ |  | $\begin{array}{\|l\|l\|} \hline \text { 年 } \\ \hline \end{array}$ | 留 | 㯒 |  | 留 | 运 |  |  |  |
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|  |  | $\begin{aligned} & \dot{B}^{2} \\ & 8^{20} \end{aligned}$ |  | $\infty$ |  |  | $\begin{aligned} & 90 \mathrm{O} \\ & 0 . \\ & 0^{\circ} \mathrm{O} \end{aligned}$ | $\begin{aligned} & \text { م゙に } \\ & \text { Nit } \\ & \text { Nざ } \end{aligned}$ |  | $\begin{aligned} & -\infty \\ & \infty \\ & \infty \\ & 0 \\ & 0 \infty \\ & \infty \end{aligned}$ | $\begin{aligned} & \infty 8 \\ & \infty \\ & \infty \\ & \infty \infty \\ & \infty \\ & \infty \end{aligned}$ |  |  |


|  |  | $\begin{array}{\|l} 8 \\ 8 \\ \hline 8 \end{array}$ | $$ | $$ | $\begin{array}{\|l\|l} \stackrel{\circ}{8} \\ \hline \end{array}$ | $$ | $$ | $\begin{array}{\|l\|l} \stackrel{\circ}{8} \\ \hline \end{array}$ | $$ | $\begin{array}{\|l} \circ \\ \underset{Z}{8} \end{array}$ |
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|  | ${ }^{2}{ }^{\text {dN }} \mathcal{K}_{L}$ sulssouJ | 杂 | 荷 | 式 | 杂 |  | $\underset{\substack{4 \\ \hline \\ \hline \\ \hline}}{4}$ | 夺 | 杂 |  |
|  | （sว．ıวn） <br> ээрдші ұиәиршıдд | $\begin{aligned} & \text { m } \\ & 0 \\ & 0.0 \\ & 0 . \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { 冗o } \\ & \text { H. } \\ & \text { O} \end{aligned}$ | O |  | $\begin{aligned} & \text { N } \\ & \text { Nó } \\ & \text { O. } \end{aligned}$ | $\begin{array}{\|l} \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \text { ơg } \\ & \text { di } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \text { if } \\ & \text { No } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \text { ie } \\ & 0.0 \\ & \text { O} \\ & 0 \end{aligned}$ |
|  | （sa．un） ฉəрдші Кıрıодшәд | $\begin{aligned} & \text { N} \\ & \text { ले } \\ & \text { No } \end{aligned}$ | $\begin{aligned} & 1 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { 아 } \\ & \text { O } \end{aligned}$ | $\begin{aligned} & \hline \stackrel{刃}{0} \\ & \text { N̈ } \end{aligned}$ | $\begin{aligned} & \hline \text { U. } \\ & \text { స̈ } \end{aligned}$ |  | $\begin{aligned} & \text { N゙ } \\ & \underset{\sim}{\mathrm{N}} \end{aligned}$ | $\begin{aligned} & \infty \\ & \text { ल. } \\ & \text { N} \end{aligned}$ | $\begin{array}{\|c} \hline \text { N } \\ \text { Nָ } \\ \text { O} \end{array}$ |
|  |  <br>  | $\begin{aligned} & 8 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { 20 } \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { IN } \\ & \stackrel{0}{8} \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0.8 \\ & \text { ò } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline 8 \\ \hline 8 \\ \hline 8 \\ \hline \end{array}$ | $\begin{aligned} & \text { 筞 } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline 8 \\ 8 \\ 8 \\ \hline 8 \end{array}$ | $\begin{aligned} & \hline 8 \\ & 0.8 \\ & 0 . \\ & \hline 0 \end{aligned}$ |
|  | （sалә）рәиу ฉэрдші К．ı．．яодшәцL | $\begin{array}{\|l} \hline 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{array}{\|c} \hline \text { 俞 } \\ \text { O } \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { 姶 } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|c\|c\|} \hline \text { In } \\ \text { d } \\ 0 \\ \hline \end{array}$ |  | $\begin{aligned} & \hline 0 \\ & \hline 0.0 \\ & 0 . \\ & \hline \end{aligned}$ |
|  | （дәә）чұร̊นวт <br>  | $\begin{aligned} & \underset{0}{0} \\ & 0 . \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { 冗oㅇ } \\ & \text { in } \end{aligned}$ | $\stackrel{\circ}{\circ}$ | $\begin{aligned} & \mathrm{N} \\ & \stackrel{\mathrm{O}}{\mathrm{O}} \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \underset{\sim}{4} \end{aligned}$ | $\stackrel{\circ}{\circ}$ | $\begin{aligned} & 8 \\ & \stackrel{8}{9} \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { In } \\ & \underset{0}{1} \end{aligned}$ | $\begin{aligned} & 7 \\ & \underset{0}{2} \end{aligned}$ |
|  | （ғәағ）чұяиวт รu！ssou，K．ıD．ıoduәL | $\begin{array}{\|c} \text { H } \\ \text { O } \\ \text { or } \end{array}$ |  | $8$ | $\begin{aligned} & \ddot{\infty} \\ & \dot{+} \\ & \dot{f} \end{aligned}$ | $\begin{aligned} & \mathbf{+} \\ & \mathbf{+} \\ & \dot{\infty} \end{aligned}$ | $\begin{aligned} & \underset{\sim}{\circ} \\ & \underset{\sim}{\dot{p}} \end{aligned}$ | $\begin{aligned} & \stackrel{N}{\hat{1}} \\ & \underset{i}{2} \end{aligned}$ |  | $\begin{aligned} & n \\ & \underset{\sim}{1} \\ & \hline \end{aligned}$ |
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|  | ${ }_{\text {грпи！ธиот }}$ |  |  | $\begin{aligned} & \text { \& } \\ & \stackrel{\circ}{0} \\ & \stackrel{0}{0} \\ & \stackrel{\circ}{1} \end{aligned}$ |  |  |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  |  |
|  |  |  |  |  | $\begin{aligned} & \hline \infty \\ & \stackrel{m}{\infty} \\ & \dot{\sim} \\ & \dot{\omega} \\ & \dot{\infty} \\ & \hline \end{aligned}$ |  |  | $\begin{aligned} & \hline 0 . \\ & \text { No } \\ & \text { on } \\ & 0 \\ & \dot{\sim} \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline \infty \\ \infty \\ 0 \\ 0 \\ \dot{\alpha} \\ \dot{\infty} \\ \hline \end{array}$ |  |
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|  | ${ }^{\text {amp }}{ }_{N}$ mpaılS |  |  |  |  |  |  |  |  |  |
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|  | （รวぃวр） эəрдй ұиәиршидд | $\begin{array}{\|l\|l} \hline 0.0 \\ 0.0 \\ \text { O. } \end{array}$ | $\begin{aligned} & \text { No } \\ & \text { Not } \\ & \text { O- } \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { O} \\ & \text { ôy } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \text { Io } \\ & \text { No } \\ & 0 . \end{aligned}$ | $\begin{aligned} & \hline 8.8 \\ & \text { O. } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \text { 茳 } \\ & \text { 合。 } \end{aligned}$ | $\begin{aligned} & \text { O} \\ & \text { 잉 } \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { ت} \\ & \text { àd } \\ & \text { O. } \end{aligned}$ |
|  | （sวuр） ъэрдшı К．ıрıодшวц |  | $\begin{gathered} \text { N} \\ \stackrel{\circ}{\circ} \\ \text { Ní } \end{gathered}$ | $\begin{aligned} & 0 \\ & \text { O } \\ & \text { O } \end{aligned}$ | $$ | $\begin{aligned} & \text { İ } \\ & \text { N } \\ & \text { Nín } \end{aligned}$ | $\begin{aligned} & \hline \infty \\ & \text { of } \\ & \text { Nín } \end{aligned}$ | $\begin{aligned} & \hline \underset{y}{*} \\ & \underset{O}{0} \end{aligned}$ | $\begin{aligned} & \text { en } \\ & \stackrel{0}{0} \\ & \stackrel{0}{0} \end{aligned}$ | $\begin{aligned} & \hline \text { O} \\ & \text { M } \\ & \text { Mí } \end{aligned}$ |
|  |  <br>  | $$ | $\begin{aligned} & \mathrm{O} \\ & \hline \mathrm{O} \\ & \mathrm{O} \\ & \hline \end{aligned}$ | $\stackrel{\circ}{\circ}$ | $\begin{array}{\|l} \hline \mathrm{I}_{\mathrm{O}}^{\circ} \\ \mathrm{O} \end{array}$ | $\begin{aligned} & 08 \\ & 0.8 \\ & 0.8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0.0 \\ & \hline 0.8 \\ & 0 . \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \hline 8.8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { oid } \\ & \text { O} \\ & \hline \mathbf{O} \end{aligned}$ | $\begin{aligned} & \mathrm{F} \\ & \stackrel{\rightharpoonup}{8} \\ & 0 . \end{aligned}$ |
|  |  <br>  | $\begin{aligned} & \hline 8 \\ & 0.8 \\ & 0 . \\ & 0 . \end{aligned}$ | $\begin{array}{\|l\|l\|} \hline \text { 응 } \\ 0 \\ \hline \end{array}$ | $\stackrel{8}{\circ}$ | $\begin{array}{\|l} \hline 0.8 \\ \text { O} \\ 0 . \\ \hline . \end{array}$ | $\begin{aligned} & \text { H } \\ & \text { O } \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { İ } \\ & \text { on } \\ & 0 . \end{aligned}$ | $$ | $\begin{array}{\|c} 0 \\ { }_{0}^{1} \\ 0 . \\ \hline \end{array}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
|  | （дวә）чұรันวт รи！sso．д ұиәирш．．дд | $\begin{aligned} & \underset{\sim}{9} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & 8 \\ & \stackrel{0}{0} \\ & 0 \end{aligned}$ | $\stackrel{\circ}{\circ}$ | $\begin{aligned} & \hline \stackrel{\circ}{\circ} \\ & \stackrel{\rightharpoonup}{\mathrm{O}} \end{aligned}$ | $\begin{aligned} & \text { श̈ } \\ & \stackrel{y}{\circ} \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{\mathrm{A}} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & 9 \\ & \underset{9}{9} \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{\circ} \\ & \stackrel{\rightharpoonup}{9} \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \underset{\sim}{\prime} \end{aligned}$ |
|  | （ғәағ）чұรиวт <br>  | $\begin{aligned} & \text { o } \\ & \text { o } \\ & \text { d } \end{aligned}$ | $\begin{aligned} & \stackrel{8}{+} \\ & \underset{寸}{\prime} \end{aligned}$ | $\stackrel{8}{0}$ | $\begin{aligned} & \infty \\ & \underset{\infty}{\infty} \\ & \underset{\infty}{\infty} \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \underset{\sim}{\infty} \\ & \underset{\infty}{\infty} \end{aligned}$ |  | $\begin{array}{\|c} \underset{o}{o} \\ \text { in } \\ \infty \end{array}$ | $\begin{aligned} & 7 \\ & \underset{\sim}{7} \\ & \text { Q } \end{aligned}$ | $\begin{aligned} & \underset{\sim}{\infty} \\ & \underset{\circ}{2} \end{aligned}$ |
| $\begin{aligned} & \text { N. } \\ & \text { 気 } \\ & \text { Hu } \end{aligned}$ | วฺรัриртпб |  |  |  |  |  |  |  |  |  |
|  | $\begin{aligned} & \text { (d!ysumoL) } \\ & \text { א!? } 1 \text { pd?p?un } \end{aligned}$ |  |  | $\begin{aligned} & \text { 若 } \\ & \text { む̃ㄹ } \end{aligned}$ | $\begin{array}{\|l\|l} \hline 0 \\ \text { 宸 } \end{array}$ | $\begin{array}{\|l\|l} \hline 0 \\ \text { 凨 } \end{array}$ | $\begin{array}{\|l\|l} \hline 0 \\ \text { 腎 } \end{array}$ |  |  |  |
|  | грпи！ธัот | $\begin{aligned} & \neq 1 \\ & 0 \\ & 7 \\ & \hline 0 \\ & \hline 1 \end{aligned}$ |  | $\begin{aligned} & \text { m } \\ & 0 \\ & \text { on } \\ & \text { H } \\ & \\ & \hline \end{aligned}$ | $$ |  |  |  |  |  |
|  |  | $\begin{array}{\|c} \hline 8 \\ \stackrel{\circ}{\circ} \\ \stackrel{\circ}{\circ} \\ \dot{\circ} \\ \hline \end{array}$ | $\begin{aligned} & \stackrel{N}{1} \\ & \stackrel{0}{\circ} \\ & \dot{\circ} \\ & \dot{\sim} \end{aligned}$ |  | $\begin{aligned} & \infty \\ & \stackrel{\infty}{\circ} \\ & \underset{\sim}{\infty} \\ & \underset{\sim}{\circ} \\ & \underset{\sim}{2} \end{aligned}$ |  | $\begin{aligned} & \text { oi } \\ & \text { on } \\ & 0 \\ & 0 . \\ & \text { ob } \end{aligned}$ | $\begin{aligned} & \text { ol } \\ & 0.0 \\ & 0 . \\ & \text { ob } \end{aligned}$ |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & O \\ & \hline \end{aligned}$ |
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|  | ${ }^{\text {aup }}{ }_{N}$ uпраиS |  |  |  |  |  |  |  |  |  |
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|  | ${ }_{\text {„рочдәW }}^{\text {sunssoup }}$ | － | $\neg$ | $\checkmark$ | $\downarrow$ | $\downarrow$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |
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|  | （sว．ıว $)$ ${ }_{\text {ұəрдй }}$ ұиәиршиə ${ }_{d}$ | $\begin{array}{\|l} \hline 8 \\ \stackrel{\circ}{0} \\ \underset{O}{2} \end{array}$ | $\begin{array}{\|l\|l} \hline 0.0 \\ 0.0 \\ 0.0 \\ 0.0 \end{array}$ | $\begin{aligned} & \text { 茳 } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \text { O甘 } \\ & \text { od } \\ & \text { ó } \end{aligned}$ | $\begin{aligned} & \overrightarrow{0} \\ & \underset{0}{0} \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \text { od } \\ & \text { did } \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 20 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { 駡 } \\ & \text { O- } \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { an } \\ & \text { ô } \\ & 0 \end{aligned}$ |
|  | （sว．ıว） <br>  | $$ | $\begin{array}{\|c\|c} \hline \text { H } \\ \text { Ǹ } \\ \text { No } \end{array}$ | $\begin{aligned} & \text { ö } \\ & \text { N} \\ & \text { Ni } \end{aligned}$ | $\begin{aligned} & 0.8 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\substack{0 \\ \hline \\ \hline}}{ } \end{aligned}$ | $\begin{aligned} & \infty \\ & \text { N } \\ & \text { ल̈ } \end{aligned}$ | $\begin{aligned} & \infty \\ & 0.0 \\ & 0.0 \\ & 0.0 \end{aligned}$ | $\begin{aligned} & \text { io } \\ & \text { M } \\ & \text { Mín } \end{aligned}$ | $\begin{aligned} & 0 \\ & 0.0 \\ & \vdots \\ & 0 \\ & 0 \end{aligned}$ |
|  |  ฉวрдші тиәишшиəд | $\begin{array}{\|l} 20 \\ 8 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{array}{\|l} \hline 0 \mathrm{O} \\ \hline \mathrm{O} \\ 0 . \\ \hline \end{array}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \text { O} \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \circ \stackrel{0}{0} \\ & 0 . \\ & 0 . \end{aligned}$ | $\begin{aligned} & \text { \#̈ } \\ & 0 . \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \stackrel{y}{8} \\ & \hline 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  | （sวлр）раиу ฉэрдші Кирлодшәц | $\begin{aligned} & \stackrel{0}{0} \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|c} \text { 慂 } \\ \text { O } \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline \text { O } \\ \text { O } \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & 0 \\ & 0 \\ & \text { N } \\ & 0 \\ & \hline \end{aligned}$ | $$ | $\begin{aligned} & \text { No } \\ & \text { © } \\ & \text { O } \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { of } \\ & \text { ó } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 0.8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0.0 \\ & 0.0 \\ & 0 \\ & \hline \end{aligned}$ |
|  | （ғәә）чұร์นว รи！sso» ұиаишш．дд | N | $\stackrel{\vdots}{\vdots}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\circ} \\ & \hline \end{aligned}$ |  | $\begin{aligned} & 0 \\ & 9 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { O} \\ & \underset{\sim}{\circ} \\ & \hline \end{aligned}$ | $\stackrel{\rightharpoonup}{\circ}$ | $\begin{aligned} & \underset{\sim}{2} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & 8 \\ & 0 \\ & 0 \end{aligned}$ |
|  | （ғәд）чұяиวт <br>  | $\begin{aligned} & \text { an } \\ & \text { in } \end{aligned}$ | $\begin{aligned} & \mathbb{H} \\ & \underset{8}{\circ} \end{aligned}$ | $\begin{aligned} & \stackrel{y}{M} \\ & \underset{\infty}{\infty} \end{aligned}$ | $\stackrel{\cong}{\stackrel{\circ}{\circ}}$ |  | $\begin{gathered} \stackrel{\circ}{\infty} \\ \infty \\ \infty \end{gathered}$ | $\begin{aligned} & \text { gif } \\ & 0.0 \\ & 0 \end{aligned}$ | $\left\lvert\, \begin{gathered} \stackrel{n}{7} \\ \underset{\infty}{2} \end{gathered}\right.$ | $\left\lvert\, \begin{aligned} & \otimes \underset{6}{\circ} \\ & \stackrel{\ominus}{0} \end{aligned}\right.$ |
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|  | әрпұ？¢иот | $\begin{aligned} & \mathscr{0} \\ & \text { on } \\ & \underset{\sim}{0} \\ & \underset{T}{0} \end{aligned}$ | $\begin{aligned} & \text { O } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |  |  | $\begin{aligned} & \text { ờ } \\ & \stackrel{\rightharpoonup}{\circ} \\ & \stackrel{4}{4} \\ & \underset{\sim}{6} \end{aligned}$ |  | $\begin{aligned} & \text { ت} \\ & \stackrel{0}{0} \\ & \stackrel{y}{0} \\ & 0 \end{aligned}$ |  |  |
|  |  |  |  | $\begin{aligned} & 1 \\ & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline \infty \\ \infty \\ \infty \\ 0 \\ 0 \\ 0 \\ \hline \\ \hline \end{array}$ |  |  |  | $\begin{aligned} & \text { 毕 } \\ & \text { y } \\ & \text { o } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { 弟 } \\ & \stackrel{0}{0} \\ & \stackrel{0}{4} \\ & 0 \\ & \hline \end{aligned}$ |
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|  |  | $\begin{array}{\|l} \hline 8 \\ 8 \\ \hline \end{array}$ |  | $$ | $\begin{array}{\|l\|l} 0 \\ \cline { 2 - 2 } \\ \hline \end{array}$ | $$ |  | 毼 | 暪 | \％ |
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|  | （sว．ルว $)$ ээрдші ұиәившидд | $\begin{aligned} & \text { O} \\ & \text { Ho } \\ & \text { O. } \end{aligned}$ | $\begin{gathered} 0 \\ 0 \\ 0 \\ 0 . \\ 0 \end{gathered}$ | $\begin{aligned} & \text { R } \\ & \substack{0 \\ 0 \\ 0 \\ 0} \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8.8 \\ & \hline 0 . \end{aligned}$ | $\begin{aligned} & \text { of } \\ & \text { II } \\ & \text { o. } \end{aligned}$ |  | O | $\begin{aligned} & \text { an } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|l} \stackrel{2}{0} 0 \\ 0 \\ 0.0 \\ 0 \end{array}$ |
|  | （sว．ıว） <br>  | $\begin{array}{\|c} \hline 0.8 \\ \text { on } \\ \text { O. } \end{array}$ | $\begin{gathered} \infty \\ 0 \\ \\ 0 \end{gathered}$ | $\begin{aligned} & \hline 8 \\ & \stackrel{0}{4} \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \hline \mathrm{O} \end{aligned}$ |  | $\begin{aligned} & \text { İ } \\ & \text { on } \\ & 0 \end{aligned}$ | $\begin{array}{\|c} \mathscr{O} \\ 0 \\ 0.0 \\ \hline \end{array}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{\circ} \\ & \underset{0}{0} \end{aligned}$ | $\begin{array}{\|c} \stackrel{\rightharpoonup}{N} \\ \\ 0 \end{array}$ |
| 苋 | （sวıэр）ралн ฉэрдші ұиәиршидд | $\begin{aligned} & \hline \stackrel{0}{0} \\ & \stackrel{0}{0} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 8 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0.8 \\ & 0 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline \mathrm{O} \\ & \hline \mathrm{O} \end{aligned}$ | $\begin{aligned} & 0.8 \\ & 0.8 \\ & 0.0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { ô } \\ & \text { O} \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { O} \\ & 0.0 \\ & 0 . \\ & \hline 0 \end{aligned}$ |
|  |  <br>  | $\begin{array}{\|l} \hline 8 \\ 8 \\ \hline 8 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & \infty \\ & { }_{0}^{\circ} \\ & 0 . \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { in } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 . \\ & 0 \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { H } \\ \text { N } \\ \text { O } \end{array}$ |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 . \\ & 0 . \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \text { 48f} \\ & \text { İ } \\ & 0 \\ & 0 \end{aligned}$ |
|  | （дәә）чұяиวт รи！sso．，ұиәишшıд | $\begin{array}{\|c} \stackrel{\circ}{\circ} \\ \underset{\sim}{\boldsymbol{j}} \end{array}$ | $\stackrel{8}{20}$ | $$ | $\underset{\sim}{\dot{\theta}}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \underset{\sim}{4} \\ & \mathbf{O} \end{aligned}$ | $8$ | $\begin{aligned} & \text { 20 } \\ & 0 \\ & 0 \end{aligned}$ | $\stackrel{\circ}{\circ}$ |
|  | （วәว）чวรันวт <br>  | $\begin{array}{\|c} \stackrel{\rightharpoonup}{7} \\ \stackrel{\rightharpoonup}{8} \end{array}$ | $\begin{aligned} & -{ }_{0}^{2} \\ & \dot{0} \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\infty}{\infty} \\ & \infty \\ & \infty \end{aligned}$ |  |  | $\begin{aligned} & \mathscr{\infty} \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \stackrel{\rightharpoonup}{\mathrm{O}} \end{aligned}$ | $\begin{aligned} & 8 \\ & \stackrel{8}{\infty} \\ & \hline \infty \end{aligned}$ | $\begin{aligned} & 7 \\ & 7 \\ & \hline 8.8 \end{aligned}$ |
|  | วฺธงриртп¢ |  |  | $\begin{aligned} & \text { g } \\ & \text { g } \\ & \text { \# } \\ & \text { む̃ } \end{aligned}$ |  |  |  |  |  |  |
|  | （diysumoL） <br> к！！ฉd！̣！unฟ | $\begin{aligned} & \text { g } \\ & \text { gig } \\ & \text { 玉im } \end{aligned}$ |  |  |  |  |  |  | $\begin{aligned} & \text { O} \\ & \text { 長 } \\ & \text { ci } \end{aligned}$ | 苞家 |
|  | эрпұ？®иот | $$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \hline 0 \\ & \stackrel{8}{4} \\ & 0 \\ & \end{aligned}$ | $\begin{aligned} & 98 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \end{aligned}$ | $$ |  | $\begin{aligned} & \infty \\ & 0 \\ & \vdots \\ & 0 \\ & 0 \\ & 0 \\ & \hline 1 \end{aligned}$ | $\begin{aligned} & \overrightarrow{0} \\ & 0 \\ & 0 \\ & i 0 \\ & 0 \\ & \end{aligned}$ |  |
|  |  | $$ | $\begin{aligned} & \infty \\ & \substack{2 \\ 0 \\ 0 \\ 0 \\ \vdots \\ \hline} \end{aligned}$ |  | $\begin{aligned} & \hline \stackrel{0}{4} \\ & \underset{\sim}{7} \\ & \underset{y}{\circ} \end{aligned}$ |  | $\begin{aligned} & \vec{\nabla} \\ & \underset{\sim}{7} \\ & \underset{\gamma}{2} \end{aligned}$ |  | $\begin{aligned} & 0 \\ & \underset{\sim}{0} \\ & \underset{O}{0} \\ & \underset{\sim}{O} \end{aligned}$ |  |
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|  |  |  |  |  |  |  |  |  | $\begin{aligned} & \text { d } \\ & \text { N. } \\ & \text { N } \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ |  |
|  |  |  |  | Tiniotion | No | యipipim | ofor | ôf |  | Niviofo f |


| Identification |  |  |  | Location |  |  |  | Stream Impacts |  |  |  | Floodway <br> Impacts |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  | $\begin{aligned} & \text { Permanent Impact } \\ & \text { Area (acres) } \end{aligned}$ |  |  | $$ |  |  |
| 252 | $\begin{gathered} \text { WW-T31- } \\ 003 \end{gathered}$ | Pequea Creek | WWF, MF | 39.92076 | -76.31997 | Martic | Conestoga | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0718 | 0.0000 | $\begin{array}{\|c\|} \hline \text { TEMP } \\ \text { RD } \end{array}$ | IV | None |
| 253 | $\begin{gathered} \text { WW-T31- } \\ 003 \end{gathered}$ | Pequea Creek | WWF, MF | 39.92076 | -76.31997 | Martic | Conestoga | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0362 | 0.0000 | $\begin{aligned} & \hline \text { TEMP } \\ & \text { RD } \end{aligned}$ | IV | None |
| 254 | $\begin{gathered} \text { WW-T25- } \\ 2001 \end{gathered}$ | UNT to Strickler Run | WWF, MF | 40.02516 | -76.45571 | West <br> Hempfield | Columbia East | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0307 | 0.0000 | $\begin{array}{\|c} \text { TEMP } \\ \text { RD } \end{array}$ | IV | None |
| 255 | $\begin{gathered} \text { WW-T25- } \\ 4002 \end{gathered}$ | Shells Run | TSF, MF | 40.19440 | $-76.52621$ | Mount Joy | Elizabethtown | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.1239 | 0.0000 | $\begin{array}{\|c} \hline \text { TEMP } \\ \text { RD } \end{array}$ | IV | None |
| 256 | $\begin{gathered} \text { WW-T88- } \\ 003 \end{gathered}$ | UNT to Shells Run | TSF, MF | 40.20576 | -76.52446 | Mount Joy | Elizabethtown | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0155 | 0.0000 | $\begin{array}{\|c} \text { TEMP } \\ \text { RD } \end{array}$ | IV | None |
| $\begin{aligned} & 257, \\ & 258 \end{aligned}$ | $\begin{gathered} \text { WW-T88- } \\ 002 \end{gathered}$ | Conestoga River | WWF, MF | 39.96269 | -76.36478 | Conestoga | Conestoga | 81.51 | 0.00 | 0.0172 | 0.0000 | 0.5178 | 0.0000 | WWD | N/A | None |
| $\begin{aligned} & \hline 259, \\ & 260 \end{aligned}$ | $\begin{gathered} \hline \text { WW-T42- } \\ 2003 \\ \hline \end{gathered}$ | Chiques Creek | WWF, MF | 40.06623 | -76.49063 | West <br> Hempfield | $\begin{array}{\|c\|} \hline \text { Columbia } \\ \text { East } \end{array}$ | 52.09 | 0.00 | 0.0124 | 0.0000 | 0.0038 | 0.0000 | WWD | N/A | None |
|  |  |  |  |  |  |  | Totals | 4276.30 | 573.85 | 2.0956 | 0.2913 | 19.4048 | 1.8628 |  |  |  |

${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application
${ }^{\mathrm{b}}$ Gas=gas pipeline crossing or floodway impacts, TBC=temporary bridge crossing, TEMPRD = temporary road crossing, WWD = water withdrawal
${ }^{\mathrm{c}}$ I=Dry Crossing Method (includes Dam \& Pump, Flume, or Cofferdam); II=Trenchless Crossing Method: Horizontal Directional Drill; III = Trenchless Crossing Method: Conventional Bore; IV = Floodway Impacts Only; V=Bridge Equipment Crossing
${ }^{\text {d }}$ PAFBC Designations: ST = Stocked Trout; WT = Wild Trout; CA = Class A Trout
Appendix 1-Project Impacts



| Identification |  | Location |  |  |  | Wetland Impacts |  |  |  |  |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  | $$ |  |  |
|  |  |  |  |  |  | PFO | PSS | PEM | PFO | PSS | PEM |  |  |  |
| $\begin{aligned} & 234, \\ & 235 \end{aligned}$ | W-T31-3002 / W-T31-3002-1 | 40.17544 | -76.50632 | Rapho | Elizabethtown | 0.0000 | 0.0000 | 0.1732 | 0.0000 | 0.0000 | 0.0266 | GAS | I | None |
| $\begin{aligned} & 250, \\ & 251 \end{aligned}$ | W-T30-4001 | 40.20342 | -76.52505 | Mount Joy | Elizabethtown | 0.0000 | 0.0000 | 0.0701 | 0.0000 | 0.0000 | 0.0095 | GAS | I | None |
|  |  |  |  |  | Totals | 0.2528 | 0.0009 | 1.0725 | 0.2545 | 0.0000 | 0.1576 |  |  |  |

${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application. ${ }^{\mathrm{b}}$ GAS=gas pipeline, TEMPRD=temporary roadway crossing, AG=agricultural crossing
${ }^{\mathrm{c}} \mathrm{I}=$ Open Cut, II = Trenchless Crossing Method—Horizontal Directional Drill, III = Trenchless Crossing Method—Conventional Bore, IV=Temporary Matting
E38-195, Transcontinental Gas Pipe Line Company, LLC, 2800 Post Oak Blvd, Level 6, Houston, TX 77056, Atlantic Sunrise Pipeline Project, Cold Baltimore District. The proposed project starts at the Lebanon County Schuylkill County border (Pine Grove, PA Quadrangle N: $40^{\circ}, 31^{\prime}, 39^{\prime \prime} ; \mathrm{W}^{\prime}-76^{\circ}$, $29^{\prime}$, $25^{\prime \prime}$ ) and ends at the Lebanon County Lancaster County border (Elizabethtown, PA Quadrangle N: $40^{\circ}, 12^{\prime}, 30^{\prime \prime}$; W: $-76^{\circ}, 31^{\prime}, 49^{\prime \prime}$ )
To construct, operate and maintain approximately 28.4 miles of 42 -inch diameter pipeline and appurtenant structures associated with the Lebanon County portion of the Atlantic Sunrise Pipeline Project Central Penn Line South. The proposed project impacts in Lebanon County include a total of 4,629.3 linear len required to compensate for the proposed permanent PFO and PSS project impacts in Lebanon County by providing 2.35 acres of successful compensatory wetland mitigation through a combination of wetland creation and wetland enhancement located at the Hibred Farm Mitigation Project along State Route 0897 (Wormelsdorf, PA Quadrangle $\mathrm{N}: ~ 40^{\circ} 17^{\prime} 02.38^{\prime \prime} ; \mathrm{W}:-76^{\circ} 10^{\prime} 34.34 .03^{\prime \prime}$ ) in West Cocalico Township, Lancaster County. This mitigation site shall compensate for the proposed permanent project impacts in Lebanon and Lancaster Counties by creating a total of 7.03 acres of wetland rehabilitation and W: $76^{\circ}-29^{\prime}, 25^{\prime \prime}$ and in East Hanover, North Annville, South Annville, South Londonderry, Swatara, North Lebanon, and Union Townships, Lebanon County
Any person aggrieved by this action may file a petition for review pursuant to Section 19(d) of the Federal Natural Gas Act, 15 U.S.C.A. § $717 \mathrm{r}(\mathrm{d})$, with the Office of the Clerk, United States Court of Appeals for the Third Circuit, 21400 U.S. Courthouse, 601 Market Street, Philadelphia, PA 19106-1790 within 30 days of publication of this notice, or within 30 days of receipt of written notice of this action, whichever occurs first. Important legal rights are at stake, so you should show this document to a lawyer at once.
Appendix 1—Project Impacts


| Identification |  |  |  | Location |  |  |  | Stream Impacts |  |  |  | Floodway Impacts |  | CrossingInformation |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
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| $\underset{4}{1,2,3,}$ | $\begin{gathered} \text { WW-T64- } \\ 4001 \end{gathered}$ | UNT to Conewago Creek | TSF, MF | 40.21350 | -76.53451 | South London- derry | Elizabethtown | 241.83 | 36.32 | 0.0877 | 0.0135 | 0.7849 | 0.1054 | GAS | I | ST |
| $\begin{gathered} 5,6,7, \\ 8 \end{gathered}$ | $\begin{gathered} \text { WW-T30- } \\ 4003 \end{gathered}$ | UNT to Conewago Creek | TSF, MF | 40.21487 | -76.53949 | South Londonderry | Elizabethtown | 64.87 | 10.00 | 0.0095 | 0.0013 | 0.2033 | 0.0230 | GAS | I | ST |
| $\begin{aligned} & 11,12, \\ & 13,14 \end{aligned}$ | $\begin{gathered} \text { WW-T30- } \\ 4002 \end{gathered}$ | Conewago Creek | TSF, MF | 40.21718 | -76.54416 | South London- derry | Elizabeth town | 80.79 | 10.00 | 0.0594 | 0.0079 | 1.5265 | 0.1012 | GAS | I | ST |
| 20, 21 | $\begin{aligned} & \text { WW-T18- } \\ & 4002 \end{aligned}$ | Little Conewago Creek | TSF, MF | 40.23151 | -76.54136 | South London- derry | Elizabethtown | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.1177 | 0.0297 | GAS | IV | None |
| 22 | $\begin{gathered} \text { WW-T43- } \\ 4001 \end{gathered}$ | UNT to Conewago Creek | TSF, MF | 40.23596 | -76.53680 | South Londonderry | Elizabethtown | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.1545 | 0.0000 | GAS | IV | ST |
| $\left\lvert\, \begin{aligned} & 23,24, \\ & 25,26 \end{aligned}\right.$ | $\begin{gathered} \text { WW-T53- } \\ 4001 \end{gathered}$ | UNT to Little Conewago Creek | TSF, MF | 40.23945 | -76.53918 | South London- derry | Elizabeth town | 69.67 | 10.02 | 0.0060 | 0.0009 | 0.1862 | 0.0283 | GAS | I | None |
| 29, 30 | $\begin{aligned} & \text { WW-T13- } \\ & 4002 \mathrm{~A} \end{aligned}$ | UNT to Little Conewago Creek | TSF, MF | 40.25916 | -76.53095 | South London- derry | Palmyra | 106.24 | 15.73 | 0.0087 | 0.0015 | 0.0000 | 0.0000 | GAS | I | None |
| $\begin{aligned} & 31,32, \\ & 33,3 \end{aligned}$ | $\begin{gathered} \text { WW-T13- } \\ 4002 \end{gathered}$ | UNT to Little Conewago Creek | TSF, MF | 40.25926 | -76.53101 | South London- derry | Palmyra | 83.08 | 10.21 | 0.0088 | 0.0011 | 0.3319 | 0.0373 | GAS | I | None |
| $\begin{aligned} & 35,36, \\ & 37,38 \end{aligned}$ | $\begin{gathered} \text { WW-T13- } \\ 4005 \end{gathered}$ | $\begin{aligned} & \text { UNT to } \\ & \text { Little } \\ & \text { Conewago } \\ & \text { Creek } \end{aligned}$ | TSF, MF | 40.26009 | -76.53120 | South London- derry | Palmyra | 125.50 | 10.00 | 0.0240 | 0.0014 | 0.3026 | 0.0367 | GAS | I | None |


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|  | （sว，．วn） <br>  | $\begin{array}{\|l\|l} \hline \text { R } \\ \text { di } \\ \text { O. } \end{array}$ | $\begin{aligned} & 20 \\ & 0.2 \\ & 0 . \\ & 0 . \end{aligned}$ |  | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & 0 . \end{aligned}$ | $\begin{aligned} & \text { H. } \\ & \text { O. } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \tilde{o}_{0} \\ & \text { o. } \end{aligned}$ | $\begin{array}{\|c} \text { N } \\ \underset{O}{0} \\ O \end{array}$ | O | $\begin{array}{\|c} \text { on } \\ \text { No } \\ \text { O } \end{array}$ | $\begin{array}{\|l\|l} 20 \\ \text { on } \\ \text { O. } \end{array}$ | $\begin{aligned} & 0 \\ & \underset{0}{0} \\ & 0 . \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |
|  | （sวuวn） <br>  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0.0 \\ & 0 \end{aligned}$ |  |  | $\begin{aligned} & \text { 들 } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $$ | $\begin{gathered} \underset{\sim}{7} \\ \underset{0}{0} \end{gathered}$ | $\begin{aligned} & \text { N} \\ & \text { N } \\ & \hline \mathbf{O} \end{aligned}$ | $\begin{aligned} & \stackrel{1}{0} \\ & 0 . \\ & 0 . \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { 合 } \\ & \underset{0}{2} \end{aligned}$ | $\begin{array}{\|c} \hline \infty \\ 0 \\ \text { No } \\ 0 \end{array}$ | $\begin{aligned} & \text { O. } \\ & \text { ó } \\ & 0 . \\ & \hline 0 \end{aligned}$ | $\begin{array}{\|l} \hline \underset{\sim}{7} \\ \underset{\sim}{7} \end{array}$ |
|  | （sa．ın） $1 . .1 \mathrm{H}$ <br>  | $$ | $\begin{array}{\|c} \hline \text { Nò } \\ 0 \\ 0.0 \end{array}$ | $\begin{aligned} & \text { İ } \\ & \text { O } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{gathered} 0 \\ \stackrel{0}{0} \\ \underset{0}{0} \\ \hline \end{gathered}$ | $\begin{aligned} & 20 \\ & 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | 8 <br> 8 <br> 8 | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { N } \\ & 0 \\ & 0 . \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 0 \\ \hline 8 \\ 80 \\ \hline 0 \end{array}$ | $\begin{aligned} & \mathrm{N} \\ & \stackrel{8}{8} \\ & 0 \\ & \hline \end{aligned}$ | 8 <br> 0 <br> 0 <br> 0 <br> 0 <br> 0 |
|  | （sалә）раиу ъэрдші Кцр．одшац | $\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ |  | $\begin{aligned} & \text { H } \\ & \text { W } \\ & \text { O } \\ & 0 \end{aligned}$ | $$ | $\begin{array}{\|c} 0 \\ 0 \\ \vdots \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & 00 \\ & \hline 0.8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 8 \\ & \hline 8 \\ & \hline 8 \\ & \hline \end{aligned}$ | $\begin{array}{\|c} \hline \text { N } \\ \text { O} \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{array}{\|c} \hline 0 \\ \text { on } \\ \text { en } \\ \hline \end{array}$ | $\begin{aligned} & \circ 8 \mathrm{O} \\ & \hline 0 . \\ & 0 . \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ |
|  |  <br>  | $\begin{array}{\|c} \underset{7}{9} \\ \underset{7}{2} \end{array}$ | $\begin{aligned} & \text { Non } \\ & \underset{\sim}{\sim} \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \underset{A}{2} \end{aligned}$ | $\begin{aligned} & \underset{\sim}{7} \\ & 0 \end{aligned}$ | $\stackrel{8}{8}$ |  | $\stackrel{\circ}{\circ}$ | $\stackrel{\circ}{\circ}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|l\|l} \hline \stackrel{8}{4} \\ \underset{~}{2} \end{array}$ | $\begin{aligned} & 7 \\ & \underset{0}{2} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & \hline 1 \end{aligned}$ |
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|  | （7әан）чұяиวт <br>  | $\therefore$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \underset{\sim}{2} \\ & \stackrel{y}{2} \end{aligned}$ | $\stackrel{\infty}{\infty}$ | $\stackrel{\ominus}{\circ}$ | $\stackrel{\otimes}{\mathrm{O}}$ | $\begin{aligned} & \text { O } \\ & \text { 内 } \\ & \text { din } \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\stackrel{8}{\stackrel{\circ}{9}}$ | $\begin{aligned} & \text { H } \\ & \underset{\sim}{2} \end{aligned}$ |
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|  |  | 筑が | か్జిస్ તion |  |  |  | Aiofoco | oidieio | 숭 ois | 돗NNNNN |


| Identification |  |  |  | Location |  |  |  | Stream Impacts |  |  |  | Floodway Impacts |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | N. |  |  |  |  |  |  |  | $\begin{aligned} & \text { Permanent Crossing } \\ & \text { Length (feet) } \end{aligned}$ |  |  |  |  |  | „рочłวW sụ̣ssouว |  |
| $\begin{aligned} & 275, \\ & 276, \\ & 277, \\ & 278 \end{aligned}$ | $\begin{gathered} \text { WW-T10- } \\ 7001 \end{gathered}$ | UNT to Swatara Creek | CWF, MF | 40.52598 | -76.49362 | Union | Pine Grove | 88.00 | 10.48 | 0.0228 | 0.0029 | 0.2157 | 0.0246 | GAS | I | WT |
| 279 | $\begin{gathered} \text { WW-T40- } \\ 6002 \end{gathered}$ | Forge Creek | WWF, MF | 40.45851 | -76.54185 | Union | Indiantown Gap | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.2375 | 0.0000 | $\begin{array}{\|l} \hline \text { TEMP } \\ \text { RD } \\ \hline \end{array}$ | IV | None |
| 280 | $\begin{gathered} \text { WW-T25- } \\ 6001 \end{gathered}$ | UNT to Trout Run | CWF, MF | 40.47417 | -76.55263 | Union | Indiantown Gap | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0514 | 0.0000 | $\begin{array}{\|l} \hline \text { TEMP } \\ \text { RD } \\ \hline \end{array}$ | IV | $\begin{aligned} & \mathrm{ST}, \\ & \mathrm{WT} \end{aligned}$ |
| 281 | WW-T33- $6001 /$ WW-T33- $6001-1$ | UNT to Trout Run | CWF, MF | 40.48639 | -76.55498 | Union | Indiantown Gap | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.1210 | 0.0000 | $\begin{array}{\|l} \text { TEMP } \\ \text { RD } \end{array}$ | IV | $\begin{aligned} & \text { ST, } \\ & \text { WT } \end{aligned}$ |
|  |  |  |  |  |  |  | Totals | 4629.29 | 581.49 | 2.1665 | 0.2491 | 16.2034 | 1.5575 |  |  |  |

[^12]Appendix 1-Project Impacts


| Identification |  | Location |  |  |  | Wetland Impacts |  |  |  |  |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $\begin{aligned} & \approx \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  |  |  |  | $\begin{aligned} & \text { Permanent Impact } \\ & \text { Area (acres) } \end{aligned}$ |  |  | „рочғдW sụ̣ssouว |  |
|  |  |  |  |  |  | PFO | PSS | PEM | PFO | PSS | PEM |  |  |  |
| 9, 10 | W-T96-4003A | 40.21703 | -76.54395 | South Londonderry | Elizabethtown | 0.0000 | 0.0000 | 0.0688 | 0.0000 | 0.0000 | 0.0128 | GAS | I | None |
| 15, 16 | W-T11-4004 | 40.21982 | -76.54868 | South Londonderry | Elizabethtown | 0.0000 | 0.0000 | 0.0352 | 0.0000 | 0.0000 | 0.0048 | GAS | I | None |
| 17, 18 | W-T11-4003 | 40.22823 | -76.54544 | South Londonderry | Elizabethtown | 0.0000 | 0.0000 | 0.0601 | 0.0000 | 0.0000 | 0.0177 | GAS | I | None |
| 19 | W-T18-4003 | 40.22942 | -76.54407 | South Londonderry | Elizabethtown | 0.0000 | 0.0000 | 0.0076 | 0.0000 | 0.0000 | 0.0000 | GAS | IV | None |
| 27, 28 | W-T32-4001 | 40.23952 | -76.53918 | South Londonderry | Elizabethtown | 0.0000 | 0.0000 | 0.0970 | 0.0000 | 0.0000 | 0.0101 | GAS | I | None |
| 43 | W-T13-4002 | 40.27137 | -76.53200 | South Annville | Palmyra | 0.0000 | 0.0023 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | GAS | IV | None |
| 52, 53 | W-T43-4001 | 40.27287 | $-76.53157$ | South Annville | Palmyra | 0.0000 | 0.0000 | 0.0004 | 0.0000 | 0.0000 | 0.0009 | GAS | I | None |
| 62, 63 | W-T43-5004 | 40.33245 | -76.53849 | North Annville | Palmyra | 0.0000 | 0.0000 | 0.0476 | 0.0000 | 0.0000 | 0.0093 | GAS | I | None |
| 64 | W-T43-5003 | 40.33402 | -76.53550 | North Annville | Palmyra | 0.0000 | 0.0000 | 0.0023 | 0.0000 | 0.0000 | 0.0000 | GAS | IV | None |
| 71 | W-T14-5002 | 40.35092 | -76.53544 | North Annville | Palmyra | 0.0000 | 0.0000 | 0.0634 | 0.0000 | 0.0000 | 0.0000 | GAS | IV | None |
| 73, 74 | W-T14-5003 | 40.35439 | -76.53393 | North Annville | Palmyra | 0.0000 | 0.0000 | 0.0082 | 0.0000 | 0.0000 | 0.0016 | GAS | I | None |


| Identification |  | Location |  |  |  | Wetland Impacts |  |  |  |  |  | $\begin{gathered} \text { Crossing } \\ \text { Information } \\ \hline \end{gathered}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | PFO | PSS | PEM | PFO | PSS | PEM |  |  |  |
| 83, 84 | W-T14-5005A | 40.36327 | -76.53390 | North Annville | Palmyra | 0.0000 | 0.0000 | 0.0947 | 0.0000 | 0.0000 | 0.0152 | GAS | I | None |
| 85 | W-T14-5005C | 40.36331 | -76.53408 | $\begin{gathered} \text { North } \\ \text { Annville } \end{gathered}$ | Palmyra | 0.0019 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | GAS | IV | None |
| 95, 96 | W-T14-5008A | 40.37703 | -76.53222 |  | $\begin{gathered} \text { Indiantown } \\ \text { Gap } \end{gathered}$ | 0.0000 | 0.0000 | 0.0594 | 0.0000 | 0.0000 | 0.0099 | GAS | I | None |
| $\begin{aligned} & 109, \\ & 110 \end{aligned}$ | W-T14-5010-1 | 40.38340 | -76.53268 | East Hanover | $\begin{gathered} \text { Indiantown } \\ \text { Gap } \\ \hline \end{gathered}$ | 0.0000 | 0.0000 | 0.0417 | 0.0000 | 0.0000 | 0.0073 | GAS | I | None |
| 123 | W-T14-5014 | 40.40856 | -76.52574 | $\begin{gathered} \text { East } \\ \text { Hanover } \end{gathered}$ | $\begin{gathered} \text { Indiantown } \\ \text { Gap } \end{gathered}$ | 0.0000 | 0.0000 | 0.0120 | 0.0000 | 0.0000 | 0.0000 | GAS | IV | None |
| $\begin{aligned} & 130, \\ & 131, \\ & 132 \end{aligned}$ | W-T14-5015 | 40.41341 | -76.52417 | Union | $\begin{gathered} \text { Indiantown } \\ \text { Gap } \end{gathered}$ | 0.0000 | 0.0372 | 0.0038 | 0.0000 | 0.0065 | 0.0000 | GAS | I | None |
| $\begin{aligned} & 139, \\ & 140 \end{aligned}$ | W-T13-6002 | 40.41914 | -76.52390 | Union | $\begin{gathered} \text { Indiantown } \\ \text { Gap } \\ \hline \end{gathered}$ | 0.0000 | 0.0000 | 0.0864 | 0.0000 | 0.0000 | 0.0131 | GAS | I | None |
| $\begin{aligned} & 141, \\ & 142 \end{aligned}$ | W-T10-6004 | 40.42059 | -76.52341 | Union | $\begin{gathered} \text { Indiantown } \\ \text { Gap } \end{gathered}$ | 0.0000 | 0.0000 | 0.0769 | 0.0000 | 0.0000 | 0.0103 | GAS | I | None |
| $\begin{aligned} & 147, \\ & 148, \\ & 149 \end{aligned}$ | W-T10-6003 | 40.42290 | -76.52305 | Union | $\begin{gathered} \text { Indiantown } \\ \text { Gap } \end{gathered}$ | 0.0000 | 0.0116 | 0.0884 | 0.0000 | 0.0000 | 0.0051 | GAS | I | None |
| $\begin{aligned} & 150, \\ & 151, \\ & 152, \\ & 153 \end{aligned}$ | W-T10-6002 | 40.42992 | -76.52575 | Union | $\begin{array}{\|c} \text { Indiantown } \\ \text { Gap } \end{array}$ | 0.0937 | 0.0000 | 0.1609 | 0.0863 | 0.0000 | 0.0213 | GAS | I | None |
| $\begin{aligned} & 157, \\ & 158 \\ & \hline \end{aligned}$ | W-T69-6001 | 40.43791 | -76.52893 | Union | $\begin{gathered} \text { Indiantown } \\ \text { Gap } \end{gathered}$ | 0.0000 | 0.0000 | 0.0539 | 0.0000 | 0.0000 | 0.0052 | GAS | I | None |
| $\begin{aligned} & 171, \\ & 172 \\ & \hline \end{aligned}$ | W-T30-6001 | 40.44290 | -76.53658 | Union | $\begin{gathered} \text { Indiantown } \\ \text { Gap } \\ \hline \end{gathered}$ | 0.0115 | 0.0000 | 0.0000 | 0.0479 | 0.0000 | 0.0000 | GAS | II | None |
| $\begin{aligned} & 181, \\ & 182 \end{aligned}$ | W-T30-6003 | 40.44884 | -76.53563 | Union | $\begin{array}{\|c\|} \hline \text { Indiantown } \\ \text { Gap } \end{array}$ | 0.0000 | 0.0000 | 0.0759 | 0.0000 | 0.0000 | 0.0131 | GAS | I | None |


| Identification |  | Location |  |  |  | Wetland Impacts |  |  |  |  |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | PFO | PSS | PEM | PFO | PSS | PEM |  |  |  |
| $\begin{aligned} & 187, \\ & 188 \end{aligned}$ | W-T32-6001 | 40.45352 | -76.53281 | Union | Indiantown Gap | 0.0000 | 0.0000 | 0.0368 | 0.0000 | 0.0000 | 0.0040 | GAS | I | None |
| $\begin{aligned} & 193, \\ & 194 \end{aligned}$ | W-T67-6001 | 40.45801 | -76.53245 | Union | Indiantown Gap | 0.0000 | 0.0000 | 0.0550 | 0.0000 | 0.0000 | 0.0001 | GAS | I | None |
| $\begin{aligned} & 195, \\ & 196 \end{aligned}$ | W-T67-6002 | 40.45880 | -76.53346 | Union | Indiantown Gap | 0.0000 | 0.0000 | 0.1045 | 0.0000 | 0.0000 | 0.0096 | GAS | I | None |
| $\begin{aligned} & \hline 197, \\ & 198, \\ & 199, \\ & 200 \end{aligned}$ | W-T40-6001 | 40.45982 | $-76.53547$ | Union | Indiantown Gap | 0.1172 | 0.0000 | 0.3156 | 0.1295 | 0.0000 | 0.0460 | GAS | I | None |
| $\begin{aligned} & 219, \\ & 220, \\ & 221 \end{aligned}$ | W-T23-6002 | 40.48014 | -76.55519 | Union | Indiantown Gap | 0.2108 | 0.0000 | 0.0268 | 0.2860 | 0.0000 | 0.0000 | GAS | I | EV |
| $\begin{aligned} & 222, \\ & 223 \end{aligned}$ | W-T33-6001 | 40.48720 | -76.55674 | Union | $\begin{gathered} \text { Indiantown } \\ \text { Gap } \end{gathered}$ | 0.0000 | 0.0000 | 0.0520 | 0.0000 | 0.0000 | 0.0065 | GAS | I | EV |
| $\begin{aligned} & 237, \\ & 238 \end{aligned}$ | W-T44-7001 | 40.49648 | $-76.55087$ | Union | Indiantown Gap | 0.0000 | 0.0000 | 0.0617 | 0.0000 | 0.0000 | 0.0083 | GAS | I | None |
| $\begin{aligned} & 243, \\ & 244 \end{aligned}$ | W-T23-6001C | 40.49962 | -76.54245 | Union | Indiantown Gap | 0.0098 | 0.0000 | 0.0000 | 0.0229 | 0.0000 | 0.0000 | GAS | I | EV |
| $\begin{aligned} & 249, \\ & 250 \end{aligned}$ | W-T20-7001 | 40.50370 | -76.53446 | Union | Tower City | 0.0037 | 0.0000 | 0.0000 | 0.0115 | 0.0000 | 0.0000 | GAS | I | EV |
|  |  |  |  |  | Totals | 0.4486 | 0.0511 | 1.7970 | 0.5841 | 0.0065 | 0.2322 |  |  |  |

${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application ${ }^{\text {b }}$ GAS=gas pipeline, TEMPRD=temporary roadway crossing, AG=agricultural crossing
${ }^{\mathrm{c}} \mathrm{I}=$ Open Cut, II = Trenchless Crossing Method—Horizontal Directional Drill, III = Trenchless Crossing Method—Conventional Bore, IV=Temporary Matting
E41-667. Transcontinental (Transco) Gas Pipe Line Company, LLC, 2800 Post Oak Boulevard, Level 6. Atlantic Sunrise Project-Unity Loop, in Jordan, Franklin and Penn Township, Lycoming County, ACOE Baltimore District (Sonestown and Picture Rocks, PA Quadrangles N: Start: $41.261518^{\circ}$, End: $41.268885^{\circ}$; W: $-76.526921^{\circ}$, End: $-76.689998^{\circ}$ ).
To construct and maintain a forty-two inch ( $42^{\prime \prime}$ ) diameter pipeline under and/or through the below listed floodways, streams and wetlands as part of the Atlantic Sunrise Project-Unity Loop. The new 8.6 mile long pipe will be installed adjacent to an existing pipeline as a loop. The project is an expansion of

A total of twenty（20）temporary and seventeen（17）permanent stream impacts are proposed to West Branch Little Muncy Creek（CWF，EV），UNT to West Branch Little Muncy Creek（CWF，EV），Little Indian Run（CWF，MF），UNT to Little Indian Run（CWF，MF），UNT Little Muncy Creek（CWF，MF），Beaver Run（CWF，MF），UNi to Beaver Run（CWF，MF），Big Run（CWF，MF），UNT to Big Run（CWF，MF），Sugar Run（CWF，MF），UN to Sugar Run（CWF，MF）， Larrys Creek（HQ－CWF，EV）．Project watercourse impacts shall include and be limited to a total of 2，322 linear feet（ 0.77 acre）of temporary stream impacts and a total of 2，009 linear feet（ 0.25 acre）of permanent stream impacts．

A total of twenty－one（21）temporary and fourteen（14）permanent wetland impacts are proposed．Project wetland impacts shall include and be limited to a total of 2,790 linear feet（ 4.06 acres）of temporary wetland impacts and a total of 1,668 linear feet（ 0.28 acre）of permanent wetland impacts．

A total of nineteen（19）temporary and fourteen（14）permanent floodway impacts are proposed．Project floodway impacts shall include and be limited to a floodway impacts．

Any person aggrieved by this action may file a petition for review pursuant to Section 19（d）of the Federal Natural Gas Act， 15 U．S．C．A．§ $717 \mathrm{r}(\mathrm{d}$ ），with the Office of the Clerk，United States Court of Appeals for the Third Circuit， 21400 U．S．Courthouse， 601 Market Street，Philadelphia，PA $19106-1790$ within
 Appendix 1—Project Impacts

Stream Impact Table：Lycoming County

|  |  | $5$ | $\sqrt{3}$ | $3$ |
| :---: | :---: | :---: | :---: | :---: |
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|  | （sว．ว亠） <br> ээрдшы ұидиршидд | $\begin{aligned} & 10 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 10 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & \hline 0 \\ & 0 \end{aligned}$ |
|  | （sว．ир） <br> ъэрдш Кцр．одшәц |  | $\begin{aligned} & 20 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & \underset{\sim}{0} \\ & \hline \end{aligned}$ |
|  | （sวиэр）ралн ээрдшш ұиәишшиа | $\begin{aligned} & \hline \infty \\ & \hline 8 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { N } \\ & \text { O. } \\ & \hline \mathbf{O} \end{aligned}$ | $\begin{aligned} & \hline 20 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ |
|  | （sәиэр）ралн ъэрдшı Кıрıодшац | $\begin{aligned} & \text { N } \\ & \text { O} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { ొo } \\ & \text { ô } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { O } \\ & 0 . \\ & 0 \\ & \hline \end{aligned}$ |
|  | （ұəәf）чұяиәт su！̣so»д ұиәиршидд | $$ | $\begin{array}{\|l\|l\|l\|l\|l\|} \hline \mathbf{O} \\ \hline \end{array}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{0} \\ & \hline \end{aligned}$ |
|  | （ұәวf）чұธัวтт sи！̣ssouว Кириодшад | $\begin{aligned} & \text { H } \\ & \infty \\ & \dot{0} \\ & 0 \end{aligned}$ | $\begin{aligned} & \mathrm{N} \\ & \underset{\sim}{1} \\ & \underset{O}{2} \end{aligned}$ | $$ |
|  | д๐ธนрррп |  |  | cr |
|  |  | $\begin{gathered} \text { శ్ } \\ \text { శ్ర } \\ 0 \\ 0 \end{gathered}$ | $\begin{aligned} & \text { శ్ } \\ & \text { శ్ర } \\ & \text { on } \end{aligned}$ | $\begin{aligned} & \text { శ్ } \\ & \text { శ్ర } \\ & \text { On } \end{aligned}$ |
|  | әрпұ？яиот | $\begin{aligned} & \text { H } \\ & 1 \\ & 10 \\ & 10 \\ & 0 \\ & 1 \end{aligned}$ | $\begin{aligned} & 1-2 \\ & 9 \\ & 0 \\ & 0 \\ & 0 \\ & 10 \end{aligned}$ | $\begin{array}{\|c} \hline 10 \\ N \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \end{array}$ |
|  | әрпъ？ұрт | $\begin{aligned} & 20 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 9 \\ & -子 \end{aligned}$ | $\begin{aligned} & 8 \\ & \underset{\sim}{9} \\ & \underset{\sim}{1} \\ & \underset{7}{4} \end{aligned}$ | $\begin{aligned} & 20 \\ & 0 \\ & 0 \\ & 0 \\ & \\ & \underset{7}{7} \end{aligned}$ |
|  |  |  | $\begin{aligned} & \text { 品 } \\ & \text { 空 } \\ & 0 \end{aligned}$ |  |
|  |  |  |  |  |
|  |  | $\begin{aligned} & 1 \\ & \text { a } \\ & 1 \\ & 10 \\ & 3 N \\ & 3 \end{aligned}$ |  |  |
|  |  |  | $\begin{aligned} & \infty \\ & \infty \\ & \stackrel{0}{\circ} 0 \\ & 0 \end{aligned}$ |  |


|  |  | 感 | 采 | $\begin{aligned} & 5 \\ & 3 \end{aligned}$ | 采 | 感 | $5$ | 感 | $\sqrt{3}$ | $\sqrt{3}$ | S |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | ＞ | $\mapsto$ | $\mapsto$ | $\mapsto$ | $\mapsto$ | $\square$ | $\square$ | ＞ | $\square$ | $\square$ |
|  | ${ }_{q}{ }^{\text {ad＾}}$ L Supssou， | 氐 | 若 | 氐 | 若 |  | $\underset{\text { U }}{\substack{2 \\ \hline}}$ | $\begin{aligned} & \text { む̃ } \\ & \text { 岂 } \end{aligned}$ | 若 | 氐 | $\underset{\sim}{\text { U }}$ |
|  | （sว．ıวn） <br> ээрдшы ұидиршидд | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { O} \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & -1 \\ & \hline 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | 등 | $\begin{aligned} & \mathfrak{o} \\ & \underset{O}{0} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 20 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\circ$ <br> $\circ$ <br> $\circ$ |
|  | （sวuวn） <br> ฉэрдш Кцр．яодшәц | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & \hline 0 \end{aligned}$ | 0 <br>  <br> 0 <br> 0 <br> 0 | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \underset{0}{2} \\ & 0 . \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { O} \\ & \text { O } \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ |
|  | （sәитр）раин ұэрдшш ұидиршидд | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{N} \\ & \stackrel{y}{8} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 2 \\ & \hline 8 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline \text { 아 } \\ & \text { ò } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { I } \\ & \text { O} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline \dot{O} \\ & 0 \\ & 0 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { H } \\ \text { O} \\ \text { O} \\ \hline \end{array}$ | $\begin{array}{\|l} \hline 9 \\ \stackrel{0}{0} \\ 0 \end{array}$ |
|  | （sәиэр）ралн ъэрдши Кцр．одшәц | $\begin{aligned} & \text { 승 } \\ & \text { O. } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { O } \\ & \text { N } \\ & \text { ó } \\ & \hline 0 \end{aligned}$ | $$ | $\begin{array}{\|l\|l} 20 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & 1 \\ & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \underset{\sim}{0} \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|l\|l} \stackrel{N}{N} \\ \underset{N}{3} \\ \hline \end{array}$ | $$ | $\begin{array}{\|l\|l} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  | （ұวəf）чұ̊ดววт su！ssou，ұиәирш．мдд | $\stackrel{O}{0}$ | $\begin{array}{\|l} \underset{\sim}{4} \\ \stackrel{\rightharpoonup}{2} \end{array}$ | $\begin{array}{\|c} \text { H } \\ \text { O } \end{array}$ | $$ | $\begin{array}{\|c\|c} \hline 0 \\ \hline 0 \\ \hline \end{array}$ | $\begin{aligned} & \text { N } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \stackrel{9}{\stackrel{\circ}{2}} \\ & \hline \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & 0 \\ & 0 \end{aligned}$ | $\stackrel{\stackrel{1}{2}}{\stackrel{1}{2}}$ | $\begin{aligned} & \text { H } \\ & \text { O } \end{aligned}$ |
|  | （ұәдд）чұяиวт su！̣ssouว К．ıриоdwą | $\begin{gathered} \text { Le} \\ \text { N } \\ \infty \\ \underset{N}{2} \end{gathered}$ | $\begin{aligned} & \text { H } \\ & \text { N } \end{aligned}$ | $\begin{aligned} & \text { مi } \\ & \text { ㄹ } \end{aligned}$ | $\begin{aligned} & \hat{o} \\ & \dot{\theta} \\ & \dot{8} \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & \text { H } \\ & 0 \\ & 0 \\ & 0 \\ & \hline 1 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \underset{\sim}{I} \\ & \underset{\sim}{2} \end{aligned}$ | $\begin{aligned} & 1 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline 1 \end{aligned}$ |  |
|  | дฺธииртпб | \|r |  |  |  | in |  |  |  |  |  |
|  |  <br>  |  |  |  | $\begin{aligned} & \text { 灵 } \\ & \text { 咅 } \\ & \text { 霛 } \end{aligned}$ |  |  |  | E | $\begin{gathered} \tilde{0} \\ 0 \\ \hline \end{gathered}$ | E |
|  | арпұ！®иот | O N N 0 0 1 1 | 8 0 0 10 10 1 1 1 | $\begin{aligned} & 1 \\ & \hline 0 \\ & 0 \\ & 0 \\ & 10 \\ & 0 \\ & \hline 1 \end{aligned}$ | 1 <br> 1 <br> 6 <br> 6 <br> 6 <br> 10 <br> 1 <br> 1 | 0 0 0 0 0 0 10 1 | $\begin{aligned} & \text { Lo } \\ & \text { N } \\ & \text { o } \\ & 0 \\ & 0 \\ & 0 \\ & \end{aligned}$ | 0 $\stackrel{1}{N}$ 0 0 0 1 1 | $\begin{array}{\|l\|l} \hline-1 \\ \text { O} \\ 0 \\ 0 \\ 0 \\ 1 \end{array}$ | 8 0 0 6 0 1 1 1 |  |
|  | әрпұ？ұрт | 4 <br> 0 <br> 0 <br> 0 <br> 1 |  |  |  |  | $\begin{aligned} & \text { in } \\ & \text { No } \\ & \text { No } \\ & \text { Hi } \end{aligned}$ |  |  |  |  |
|  |  | $\begin{aligned} & \text { 品 } \\ & \text { 気 } \\ & 3 \\ & 0 \end{aligned}$ |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 云荡芯 | 尘芯荡 |  |
|  |  |  |  |  |  |  | $\begin{aligned} & \text { 120 } \\ & \text { Bo } \\ & \text { 13 } \\ & \text { N } \end{aligned}$ |  |  |  |  |
|  |  | $\underset{\sim}{4}$ | $\begin{aligned} & \text { Niか } \\ & \text { No } \\ & \text { NAN } \end{aligned}$ | $\begin{aligned} & \text { N゙O } \\ & \text { No } \\ & \hat{N}^{\circ}{ }^{2} \mathrm{~N} \end{aligned}$ | H |  | $\begin{aligned} & \text { İ } \\ & \text { Fiが } \end{aligned}$ |  | 10 |  | $\begin{aligned} & 6 \\ & 0 \\ & 0 \end{aligned}$ |


| Identification |  |  |  | Location |  |  |  | Stream Impacts |  |  |  | Floodway Impacts |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { ※ } \\ & \text { z } \\ & \text { z } \\ & \text { Ẽ } \\ & 0 \\ & \text { む } \end{aligned}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 69, 70 | $\begin{gathered} \text { WW-T01- } \\ 22006 \end{gathered}$ | $\begin{aligned} & \text { UNT Big } \\ & \text { Run } \end{aligned}$ | CWF, MF | 41.26480 | -76.61861 | Penn | Sonestown | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.5615 | 0.0259 | GAS | IV | None |
| $\begin{array}{\|l} 73,74, \\ 75,76 \end{array}$ | $\begin{aligned} & \text { WW-T01- } \\ & 22006 \mathrm{~B} \end{aligned}$ | $\begin{aligned} & \text { UNT Big } \\ & \text { Run } \end{aligned}$ | CWF, MF | 41.26494 | -76.62088 | Penn | Sonestown | 211.30 | 10.82 | 0.0619 | 0.0047 | 0.4130 | 0.0127 | GAS | I | None |
| $\begin{gathered} 80,81, \\ 82 \end{gathered}$ | $\begin{gathered} \text { WW-T01- } \\ 22007 \end{gathered}$ | Big Run | CWF, MF | 41.26506 | -76.62246 | Penn | Sonestown | 85.93 | 6.51 | 0.0276 | 0.0022 | 0.0037 | 0.0000 | GAS | I | None |
| $\begin{array}{\|l} \hline 87,88, \\ 89,90 \\ \hline \end{array}$ | $\begin{gathered} \hline \text { WW-T01- } \\ 22003 \end{gathered}$ | UNT to Sugar Run | CWF, MF | 41.26643 | -76.64225 | Penn | Picture Rocks | 98.56 | 5.13 | 0.0193 | 0.0011 | 0.1941 | 0.0097 | GAS | I | WT |
| $\begin{array}{\|l} 93,94, \\ 95,96 \end{array}$ | $\begin{gathered} \text { WW-T01- } \\ 22002 \end{gathered}$ | Sugar Run | CWF, MF | 41.26670 | -76.65584 | Penn | Picture Rocks | 95.94 | 5.01 | 0.0449 | 0.0022 | 0.5368 | 0.0257 | GAS | I | WT |
| $\begin{aligned} & 99, \\ & 100, \\ & 101, \\ & 102 \end{aligned}$ | $\begin{gathered} \text { WW-T65- } \\ 27001 \end{gathered}$ | UNT to Sugar Run | CWF, MF | 41.26710 | -76.65992 | Penn | Picture Rocks | 98.63 | 5.07 | 0.0182 | 0.0010 | 0.5992 | 0.0340 | GAS | I | WT |
| 103 | $\begin{aligned} & \text { WW-T65- } \\ & \text { 27001A } \end{aligned}$ | UNT to Sugar Run | CWF, MF | 41.26709 | -76.66030 | Penn | Picture Rocks | 214.04 | 0.00 | 0.0235 | 0.0000 | 0.0000 | 0.0000 | GAS | V | WT |
| 104 | $\begin{gathered} \text { WW-T46- } \\ 22001 \end{gathered}$ | Greg's Run | CWF, MF | 41.26870 | -76.69109 | Penn | Picture Rocks | 0.00 | 0.00 | 0.0000 | 0.0000 | 1.1192 | 0.0000 | GAS | IV | None |
| 105 | $\begin{gathered} \text { WW-T71- } \\ 22001 \end{gathered}$ | UNT to Greg's Run | CWF, MF | 41.26928 | -76.68895 | Penn | Picture Rocks | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.1207 | 0.0000 | GAS | IV | None |
| 106 | $\begin{gathered} \text { WW-T24- } \\ 22003 \end{gathered}$ | UNT to Beaver Run | CWF, MF | 41.26552 | -76.58082 | Franklin | Sonestown | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.0351 | 0.0000 | $\begin{gathered} \text { TEMP } \\ \text { RD } \end{gathered}$ | IV | WT |
| 107 | $\begin{gathered} \text { WW-T01- } \\ 22002 \end{gathered}$ | Sugar Run | CWF, MF | 41.26670 | -76.65584 | Penn | Picture Rocks | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.1849 | 0.0000 | $\begin{aligned} & \text { TEMP } \\ & \text { RD } \end{aligned}$ | IV | WT |
|  |  |  |  |  |  |  | Totals | 1998.11 | 92.25 | 0.7197 | 0.0386 | 4.7724 | 0.1620 |  |  |  |

${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application.
${ }^{\mathrm{b}}$ Gas=gas pipeline crossing or floodway impacts, TBC=temporary bridge crossing, TEMPRD $=$ temporary road crossing Crossing Method-Conventional Bore, IV=Floodway Impacts Only; V=Bridge Equipment Crossing
${ }^{\mathrm{d}}$ PAFBC Designations: ST $=$ Stocked Trout; WT $=$ Wild Trout; CA $=$ Class A Trout
Appendix 1—Project Impacts
Wetland Impact Table: Lycoming County

| Identification |  | Location |  |  |  | Wetland Impacts |  |  |  |  |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  | $\text { Crossing Method }{ }^{c}$ |  |
|  |  |  |  |  |  | PFO | PSS | PEM | PFO | PSS | PEM |  |  |  |
| 1 | W-T01-22016 | 41.26176 | -76.53175 | Jordan | Sonestown | 0.0000 | 0.0000 | 0.0096 | 0.0000 | 0.0000 | 0.0000 | GAS | IV | EV |
| $\begin{gathered} 15,16 \\ 17 \end{gathered}$ | W-T01-22015 | 41.26204 | -76.53266 | Jordan | Sonestown | 0.0005 | 0.0000 | 0.1266 | 0.0000 | 0.0000 | 0.0079 | GAS | I | EV |
| $\begin{array}{\|l} 18,19, \\ 20,21 \end{array}$ | W-T01-22014 | 41.26206 | -76.54771 | Franklin | Sonestown | 0.0917 | 0.0000 | 0.2203 | 0.0353 | 0.0000 | 0.0184 | GAS | I | EV |
| $\begin{array}{\|c} \hline 28,31, \\ 32 \end{array}$ | W-T01-22013 | 41.26218 | -76.56039 | Franklin | Sonestown | 0.0318 | 0.0000 | 0.0597 | 0.0149 | 0.0000 | 0.0000 | GAS | I | EV |
| 39, 40 | $\begin{gathered} \hline \text { W-T01-22012 } \\ 41.26270 \end{gathered}$ | -76.57002 | Franklin | Sonestown | 0.0000 | 0.0000 | 0.3548 | 0.0000 | 0.0000 | 0.0227 | GAS | I | EV |  |
| 45, 46 | W-T01-22011-1 | 41.26321 | -76.58238 | Franklin | Sonestown | 0.0000 | 0.0000 | 0.0035 | 0.0000 | 0.0000 | 0.0004 | GAS | I | EV |
| $47,48 \text {, }$ | W-T01-22010 | 41.26393 | -76.59242 | Franklin | Sonestown | 0.0483 | 0.0000 | 0.0334 | 0.0098 | 0.0000 | 0.0032 | GAS | I | EV |
| 62, 63 | $\begin{aligned} & \hline \text { W-T01-22009 / } \\ & \text { W-T01-22009-1 } \end{aligned}$ | 41.26469 | -76.60473 | Penn | Sonestown | 0.0000 | 0.0000 | 0.2422 | 0.0000 | 0.0000 | 0.0154 | GAS | I | EV |
| 65 | W-T01-22007 | 41.26496 | -76.61570 | Penn | Sonestown | 0.0054 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | GAS | IV | EV |
| 67, 68 | W-T01-22004 | 41.26472 | -76.61879 | Penn | Sonestown | 0.0000 | 0.0000 | 0.1057 | 0.0000 | 0.0000 | 0.0011 | GAS | I | EV |
| 71, 72 | W-T01-22006 | 41.26491 | -76.62049 | Penn | Sonestown | 0.0000 | 0.0000 | 0.1491 | 0.0000 | 0.0000 | 0.0107 | GAS | I | EV |
| $\begin{gathered} \hline 77,78, \\ 79 \\ \hline \end{gathered}$ | W-T01-22005 | 41.26503 | -76.62218 | Penn | Sonestown | $<0.0001$ | 0.0000 | 0.4154 | 0.0000 | 0.0000 | 0.0263 | GAS | I | EV |
| 91, 92 | W-T01-22001 | 41.26647 | -76.64240 | Penn | Picture Rocks | 0.0000 | 0.0000 | 0.0308 | 0.0000 | 0.0000 | 0.0019 | GAS | I | EV |
| 97, 98 | W-T65-27001 | 41.26695 | -76.65971 | Penn | Picture Rocks | 0.0000 | <0.0001 | 0.0012 | 0.0000 | 0.0000 | 0.0000 | GAS | IV | EV |
|  |  |  |  |  | Totals | 0.1777 | 0.0000 | 1.7524 | 0.0600 | 0.0000 | 0.1080 |  |  |  |

${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E－2 of Transco＇s Chapter 105 Application． ${ }^{\text {b }}$ GAS＝gas pipeline，TEMPRD＝temporary roadway crossing，AG＝agricultural crossing
${ }^{\text {c }}$ I＝Open Cut，II＝Trenchless Crossing Method—Horizontal Directional Drill，III＝Trenchless Crossing Method－Conventional Bore，IV＝Temporary Matting
E49－336，Transcontinental Gas Pipe Line Company，LLC， 2800 Post Oak Blvd，Level 6，Houston，TX 77056，Atlantic Sunrise Pipeline Project，East Cameron Township，Coal Township，Ralpho Township，Northumberland County，ACOE Baltimore District．The proposed project starts at 0.22 mile north and $516^{\prime \prime}$ ；W： $76^{\circ}, 30^{\prime}, 9.8^{\prime \prime}$ ）in East Cameron，Coal，and Ralpho Townships，Northumberland County．
To construct，operate and maintain approximately 9 miles of 42 －inch diameter pipeline and appurtenant structures associated with the Northumberland County portion of the Atlantic Sunrise Pipeline Project Central Penn Line South．The proposed project impacts in Northumberland County include a total of
 permanent floodway impacts， 0.34 acre of temporary impacts to Palustrine Emergent（PEM），Palustrine Forested（PFO）and Palustrine Scrub－Shrub（PSS） required to compensate for the proposed permanent PFO project impacts in Northumberland County by providing ． 35 acre of successful wetland creation and wetland enhancement at the Swatara Creek mitigation site located in Pine Grove Township，Schuylkill County off of State Route 443 （ $40^{\circ} 31^{\prime} 50.52^{\prime \prime}$ N， $76^{\circ}$ $24^{\prime} 51.10^{\prime \prime} \mathrm{W}$ ）．This mitigation site shall compensate for the proposed permanent project impacts in Columbia，Northumberland and Schuylkill Counties by creating a total of 5.36 acres of wetland creation and enhancement of existing wetlands．
Any person aggrieved by this action may file a petition for review pursuant to Section 19（d）of the Federal Natural Gas Act， 15 U．S．C．A．§ 717 r（d），with the Office of the Clerk，United States Court of Appeals for the Third Circuit， 21400 U．S．Courthouse， 601 Market Street，Philadelphia，PA 19106－1790 within 30 days of publication of this notice，or within 30 days of receipt of written notice of this action，whichever occurs first．Important legal rights are at stake，so you should show this document to a lawyer at once．
Stream Impact Table：Northumberland County Appendix 1—Project Impacts

|  |  | $\begin{aligned} & 0 \\ & \tilde{0} \\ & \underset{Z}{2} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & \mathbf{Z} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & Z \\ & Z \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & Z \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & \mathbf{Z} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\square$ | $\square$ | $\checkmark$ | $\square$ | $\square$ |
|  | $q^{\text {ad＾}}$ L sụ̂ssou， | 岂 | 会 | 氐 | 芯 | 会 |
|  | （sวиว ） <br> ฉэрдші ұиәиршлад | $\begin{aligned} & 8 \\ & 8 \\ & \hline 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & -{ }_{2}^{\infty} \\ & \text { N } \\ & 0 . \end{aligned}$ | $\begin{aligned} & \text { on } \\ & \text { N } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & 10 \\ & 7 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  | （sวıวn） <br> ฉэрдші Кıрıодшац | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline \stackrel{y}{\circ} \\ & \infty \\ & \\ & 0 \end{aligned}$ | $$ | $$ |
|  | （sวиэр）ралн ъэрдші ұиәиршләд | $\begin{aligned} & \text { N } \\ & \stackrel{0}{\circ} \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline \stackrel{\rightharpoonup}{N} \\ & \text { N } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $$ | $\begin{aligned} & \text { 승 } \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  | （sәихр）ралн ъэрдші Кıр．одшад L | $\begin{aligned} & 1 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \underset{0}{2} \\ & \stackrel{0}{0} \\ & \hline \end{aligned}$ |  | $$ | $\begin{aligned} & \hline \ldots \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |
|  | （ұวəf）чұяиวтт sụ̣so»д ұиәиршидд | $\begin{aligned} & \infty \\ & \infty \\ & \underset{\sim}{n} \\ & \dot{\sim} \end{aligned}$ | $\begin{aligned} & 0 \\ & \cdots \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { M } \\ & \text { in } \end{aligned}$ | $\begin{aligned} & \text { No } \\ & \text { O } \\ & \hline 1 \end{aligned}$ |
|  | （дәдf）чұвиәт su！̣ssouว К．ı．ıодидд | $\begin{aligned} & \infty \\ & \infty \\ & \ddagger \end{aligned}$ | $\begin{aligned} & \stackrel{2}{-1} \\ & \underset{-}{2} \end{aligned}$ | $\begin{aligned} & \text { H } \\ & \text { N } \\ & \underset{\sim}{I} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline 1 \end{aligned}$ | $\left\lvert\, \begin{aligned} & \infty \\ & \infty \\ & \underset{\infty}{\circ} \end{aligned}\right.$ |
|  | วฺงฉиррп |  |  |  |  |  |
|  | （d！̣sumoL） <br>  |  |  | 荋 | 苞 | 苋 |
|  | әрпұ！sиот | $$ | $\begin{aligned} & \text { H } \\ & 00 \\ & 00 \\ & \underset{0}{1} \\ & \stackrel{0}{1} \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 1 \end{aligned}$ | $\begin{aligned} & 120 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 1 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline 1 \end{aligned}$ |
|  | วрпъ？ұрт |  | $$ | $\begin{array}{\|l\|} \hline N \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ O \\ \hline \end{array}$ |  |  |
| $\begin{aligned} & \tilde{0} \\ & \text { 気 } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  <br> \＆6 иวュдичо | $\begin{aligned} & \text { 原 } \\ & \sqrt{1} \\ & \sqrt{3} \end{aligned}$ | 这 |  |  |  |
|  |  |  |  |  |  |  |
|  |  | $\begin{aligned} & 10 \\ & 40 \\ & 10 \\ & 10 \\ & 30 \\ & 3 \\ & 3 \end{aligned}$ | $\begin{array}{\|l} 1 \\ 2 \\ 1-2 \\ 10 \\ 10 \\ 3 \\ 3 \end{array}$ | $\begin{aligned} & 1_{1}^{2} \\ & 0_{1} \\ & 0 \\ & 10 \\ & 30 \\ & 3 \end{aligned}$ | $\begin{aligned} & 1 \\ & 1 \\ & 0 \\ & 1 \\ & 1 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ |  |
|  |  | $\begin{gathered} N \\ i \end{gathered}$ | $\begin{array}{lll} 4 & 0 \\ \text { s. } & 0 \end{array}$ | $\begin{aligned} & 0 \\ & 1 \\ & 0 \\ & 0 \end{aligned}$ |  |  |


|  |  | $\begin{aligned} & 0 \\ & \tilde{0} \\ & \vdots \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & Z \end{aligned}$ | $\begin{aligned} & 0 \\ & \text { B } \\ & \text { B } \end{aligned}$ | 彩 | U | $\sqrt{3}$ | U | $\begin{array}{\|l} 0 \\ \text { Z } \\ \text { Z } \end{array}$ | $\begin{aligned} & 0 \\ & \text { B } \\ & \text { Z } \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & Z \\ & Z \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ${ }^{\text {っpoyłวW Sulssou入 }}$ | $Z$ | ー | $\mapsto$ | $\bigcirc$ | ー | $\geq$ | $\mapsto$ | $\geq$ | 2 | $\geq$ |
|  | ${ }_{q}{ }^{\text {ad＾}}$ L Sụssou， | 亗 | $\underset{\text { U゙ }}{\text { び }}$ | 氐 | $\left\lvert\,\right.$ | 氐 | 氐 | $\underset{\text { U゙ }}{\text { び }}$ |  | 雷会路 |  |
|  | （sวıวр） <br> ъэрдші ұидиршлад | $\begin{aligned} & 0 . \\ & \hline 0 \\ & 0 . \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { r } \\ & 0 \\ & \substack{0 \\ 0 \\ 0} \end{aligned}$ | $\begin{aligned} & 0 \\ & \text { O } \\ & \text { N } \\ & \text { O. } \end{aligned}$ | $\begin{aligned} & \infty \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \circ \\ & \hline 0 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \mathrm{O} \\ & \hline 0 \\ & 0 . \\ & 0 \end{aligned}$ | $\circ$ <br> 8 <br> 0 <br> 0 | $\circ$ <br>  |
|  | （sว．⿰㇒⿻二丨冂） <br> ฉэрдшı Кıрıодшац | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \underset{\sim}{\circ} \end{aligned}$ | $\begin{aligned} & 0 \\ & \\ & \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline \text { N } \\ & \text { N } \\ & \text { Nָ } \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline \mathrm{O} \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { 승 } \\ & \text { î } \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline \mathrm{O} \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { m } \\ & \underset{\sim}{0} \\ & 0 \end{aligned}$ | $\begin{array}{\|l\|l} \hline \infty \\ 0 \\ 0 \\ 0 \\ \hline 0 \end{array}$ | $$ |
| $\begin{gathered} \sim \\ 0 \\ 0 \\ 0 \\ E \\ E \\ E \\ E \\ \tilde{U} \\ 0 \\ 0 \\ 0 \end{gathered}$ | （sวıวр）рәин ээрдшш ұиаиршиад | $\begin{aligned} & \hline 0 \\ & \hline 8 \\ & \hline 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { II } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\stackrel{O}{0}$ | $\begin{aligned} & \hline 10 \\ & \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & \hline 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & \hline 0 \end{aligned}$ |
|  | （sวиэр）рәин ฉэрдшı Кıриодша $L$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & \hline 0 \\ & 0 \\ & 0 \\ & \hline 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { o } \\ & \text { O } \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \infty \\ & \stackrel{6}{\circ} \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 8 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & \hline 0 \\ & 0 \\ & \hline 0 \end{aligned}$ |
|  | （ұәдf）чұя彷т sи！̣sощว ұидиршидд | $\begin{aligned} & -1 \\ & 0 . \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { L0 } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { N } \\ & \text { N } \\ & \mathbf{1} \end{aligned}$ | $\stackrel{O}{0}$ | $\begin{aligned} & -1 \\ & 0 \\ & 0 \\ & \end{aligned}$ | O. | $\begin{aligned} & \text { H } \\ & 0 \\ & 0 \end{aligned}$ | $\stackrel{0}{0}$ | $\stackrel{0}{0}$ | $\stackrel{0}{0}$ |
|  | （ұәәf）чұรันวт su！̣ssoū К．ıриодшац | $\begin{aligned} & 9 \\ & \underset{\sim}{2} \\ & 0 \end{aligned}$ | $\begin{gathered} 8 \\ \hline \infty \\ \infty \\ \infty \end{gathered}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | $\begin{aligned} & \mathrm{N} \\ & \underset{0}{0} \\ & \stackrel{0}{0} \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \text { i } \\ & \text { in } \end{aligned}$ | $\begin{aligned} & 8 . \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{\sim}{\infty} \\ & \underset{\sim}{\infty} \end{aligned}$ | $\begin{aligned} & 8 . \\ & 0 . \end{aligned}$ | $\begin{aligned} & 8 \\ & 0 \\ & 0 \end{aligned}$ | $8$ |
|  | วฺงฉนррп |  |  |  |  |  |  |  |  |  |  |
|  | （d！ysumo $L$ ） Kł！？${ }^{\text {Tl！？！unW }}$ | $\begin{aligned} & \text { డ్ర } \\ & 0 \\ & \hline \end{aligned}$ | 荋 |  | 元 |  | $\begin{aligned} & \text { 霛 } \\ & \text { 登 } \end{aligned}$ |  |  |  |  |
|  | әрпұ！®иот | $\begin{aligned} & \text { N } \\ & \text { o } \\ & \text { in } \\ & 0 \\ & 0 \\ & 1 \end{aligned}$ | $\begin{aligned} & \text { N} \\ & 0 \\ & -1 \\ & 0 \\ & 0 \\ & 1 \\ & 1 \end{aligned}$ | 0 0 0 20 0 1 1 | 20 0 0 0 0 0 10 1 | 0 0 0 0 0 0 1 | $\begin{aligned} & 10 \\ & \stackrel{20}{\circ} \\ & \underset{+}{2} \\ & \underset{1}{\circ} \end{aligned}$ |  |  | $\begin{aligned} & 4 \\ & \infty \\ & \infty \\ & \infty \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{array}{\|c} \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}$ |
|  | әрпұ？ұрт |  | N <br> 0 <br> $\infty$ <br> 0 <br> 0 <br>  |  |  |  |  | $\begin{aligned} & 0 \\ & 0 \\ & 0 \\ & 10 \\ & 0 \\ & 0 \\ & \text { O } \end{aligned}$ | $\begin{aligned} & 10 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ |  |  |
| $\begin{aligned} & \text { Nu } \\ & \text { 気 } \\ & \text { 気 } \\ & \text { 馬 } \end{aligned}$ |  |  |  | $\begin{aligned} & y_{2} \\ & y_{n}^{2} \\ & \sqrt[y y y]{c} \end{aligned}$ |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | иопұрэป！ұиарI шраия |  |  | $\begin{aligned} & \infty \\ & \infty \\ & 0 \\ & 1 \\ & 1 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ |  | $\begin{aligned} & \text { 发 } \\ & \text { Ho } \\ & \text { Bo } \\ & 3 \\ & 3 \end{aligned}$ | $\begin{aligned} & \text { Ho } \\ & \text { H, } \\ & \text { 13 } \\ & 3 \\ & 3 \end{aligned}$ |  | $\begin{aligned} & \text { Ho } \\ & \text { 4o } \\ & \text { Bo } \\ & \text { 3 } \end{aligned}$ |  | $\begin{aligned} & 4 \\ & \text { 4, } \\ & \text { 4 } \\ & 10 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ |
|  |  | $\begin{aligned} & \text { N } \\ & \underset{\text { N }}{ } \end{aligned}$ |  |  | $\begin{aligned} & \text { N. } 20 \\ & \tilde{m}^{2} \end{aligned}$ | $\begin{aligned} & \infty \\ & \infty \\ & \infty \\ & \infty \end{aligned}$ | フิ | $\begin{aligned} & \mathscr{F} \\ & \mathfrak{F} \end{aligned}$ | － | $\stackrel{\infty}{+}$ | ¢ |


| Identification |  |  |  | Location |  |  |  | Stream Impacts |  |  |  | Floodway Impacts |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $\begin{aligned} & \text { ت̃ } \\ & \text { む̃ } \\ & \text { む్ర } \end{aligned}$ |  |  |  |  |  |  |  |  |  | $\begin{aligned} & \text { N } \\ & \text { N } \\ & 0 \\ & 0 \\ & \text { EN } \\ & 0 \\ & 0.0 \end{aligned}$ |  |  |
| 50 | $\begin{gathered} \hline \text { WW-T01- } \\ 10001 \end{gathered}$ | Mahanoy Creek | WWF, MF | 40.74156 | -76.47665 | East Cameron | Tremont | 0.00 | 0.00 | 0.0000 | 0.0000 | 0.2955 | 0.0000 | $\begin{array}{\|l} \hline \text { TEMP } \\ \text { RD } \end{array}$ | IV | None |
| 51, 52 | $\begin{gathered} \hline \text { WW-T68- } \\ 10001 \end{gathered}$ | UNT to Shamokin Creek | WWF, MF | 40.76725 | -76.49854 | Coal | Mount Carmel | 3.49 | 0.00 | 0.0004 | 0.0000 | 0.0546 | 0.0000 | $\begin{array}{\|l} \hline \text { TEMP } \\ \text { RD } \end{array}$ | V | None |
| 53, 54 | $\begin{gathered} \text { WW-T68- } \\ 10002 \end{gathered}$ | UNT to Shamokin Creek | WWF, MF | 40.76720 | -76.49507 | Coal | Mount Carmel | 40.10 | 0.00 | 0.0046 | 0.0000 | 0.1212 | 0.0000 | $\begin{array}{\|l} \text { TEMP } \\ \text { RD } \end{array}$ | V | None |
| 55 | $\begin{gathered} \hline \text { WW-T04- } \\ 10001 \end{gathered}$ | Shamokin Creek | WWF, MF | 40.77554 | -76.50967 | Coal | Shamokin | 0.00 | 0.00 | 0.00 | 0.0000 | 0.6308 | 0.0000 | $\begin{array}{\|l} \hline \text { TEMP } \\ \text { RD } \end{array}$ | IV | None |
| 56 | $\begin{aligned} & \hline \text { WW-T58- } \\ & \text { 11001A } \end{aligned}$ | Coal Run | CWF, MF | 40.79823 | -76.51561 | Coal | Shamokin | 0.00 | 0.00 | 0.00 | 0.0000 | 0.1120 | 0.0000 | $\begin{array}{\|l} \hline \text { TEMP } \\ \text { RD } \end{array}$ | IV | None |
| 57 | $\begin{aligned} & \text { WW-T58- } \\ & \text { 11001A } \end{aligned}$ | Coal Run | CWF, MF | 40.79823 | -76.51561 | Coal | Shamokin | 0.00 | 0.00 | 0.00 | 0.0000 | 0.4575 | 0.0000 | $\begin{array}{\|l} \text { TEMP } \\ \text { RD } \end{array}$ | IV | None |
|  |  |  |  |  |  |  | Totals | 1046.28 | 115.52 | 0.5706 | 0.0695 | 4.8555 | 0.2743 |  |  |  |

[^13]Appendix 1—Project Impacts
Wetland Impact Table: Northumberland County

| Identification |  | Location |  |  |  | Wetland Impacts |  |  |  |  |  | Crossing Information |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  | $\begin{aligned} & \text { Permanent Impact } \\ & \text { Area (acres) } \end{aligned}$ |  |  | $\text { Crossing Method }{ }^{c}$ |  |
|  |  |  |  |  |  | PFO | PSS | PEM | PFO | PSS | PEM |  |  |  |
| 7, 8 | W-T18-10001 | 40.74036 | -76.49615 | East Cameron | Tremont | 0.0000 | 0.0000 | 0.0418 | 0.0000 | 0.0000 | 0.0064 | GAS | I | Other |
| $\begin{aligned} & 31,32 \\ & 36,37 \end{aligned}$ | W-T44-11001 | 40.81675 | -76.50796 | Coal | Shamokin | 0.0824 | 0.0000 | 0.0370 | 0.0623 | 0.0000 | 0.0046 | GAS | I | EV |
| 40, 41 | W-T49-11001 | 40.84956 | -76.50304 | Ralpho | Shamokin | 0.0000 | 0.0000 | 0.0059 | 0.0000 | 0.0000 | 0.0010 | GAS | I | EV |
| 45, 46 | W-T49-11003 | 40.85474 | -76.49872 | Ralpho | Mount Carmel | 0.0000 | 0.0000 | 0.0275 | 0.0000 | 0.0000 | 0.0044 | GAS | I | EV |
| 55 | W-T68-10001 | 40.76874 | -76.49043 | Coal | Mount Carmel | 0.0000 | 0.0000 | 0.0042 | 0.0000 | 0.0000 | 0.0000 | $\begin{gathered} \text { TEMP } \\ \text { RD } \end{gathered}$ | IV | Other |
|  |  |  |  |  | Totals | 0.0824 | 0.0000 | 0.1164 | 0.0623 | 0.0000 | 0.0164 |  |  |  |

${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application. ${ }^{\mathrm{b}}$ GAS=gas pipeline, TEMPRD=temporary roadway crossing, AG=agricultural crossing ${ }^{\mathrm{c}} \mathrm{I}=$ Open Cut, II = Trenchless Crossing Method—Horizontal Directional Drill, III = Trenchless Crossing Method—Conventional Bore, IV=Temporary Matting

## EROSION AND SEDIMENT CONTROL

The following Erosion and Sediment Control permits have been issued.

Persons aggrieved by an action may appeal that action to the Environmental Hearing Board (Board) under section 4 of the Environmental Hearing Board Act and 2 Pa.C.S. §§ 501-508 and 701-704. The appeal should be sent to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, PO Box 8457, Harrisburg, PA 17105-8457, (717) 787-3483. TDD users may contact the Board through the Pennsylvania AT\&T Relay Service, (800) 654-5984. Appeals must be filed with the Board within 30 days of publication of this notice in the Pennsylvania Bulletin unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in Braille or on audiotape from the Secretary to the Board at (717) 787-3483. This paragraph does not, in and of itself, create a right of appeal beyond that permitted by applicable statutes and decisional law.

For individuals who wish to challenge an action, the appeal must reach the Board within 30 days. A lawyer is not needed to file an appeal with the Board.

Important legal rights are at stake, however, so individuals should show this notice to a lawyer at once. Persons who cannot afford a lawyer may qualify for free pro bono representation. Call the Secretary to the Board at (717) 787-3483 for more information.

Southwest District: Oil \& Gas Management Program Manager, 400 Waterfront Drive, Pittsburgh, PA 15222.
ESCGP-2 \# ESX14-125-0079 Major Modification
Applicant Name Rice Drilling B, LLC
Contact Person Joseph Mallow
Address 2200 Rice Drive
City, State, Zip Canonsburg, PA 15317
County Washington County
Township(s) North Bethlehem Township
Receiving Stream(s) and Classification(s) UNTs to Daniels Run (TSF)
ESCGP-2 \# ESX09-125-0075 Major Modification
Applicant Name EQT Production Company
Contact Person Todd Klaner
Address 2400 Ansys Drive, Suite 200
City, State, Zip Canonsburg, PA 15317
County Washington County
Township(s) Carroll Township
Receiving Stream(s) and Classification(s) UNTs to Pigeon Creek and Pigeon Creek (WWF)

## ESCGP-2 \# ESX17-059-0006

Applicant Name Rice Drilling B, LLC
Contact Person Joseph Mallow
Address 2200 Rice Drive
City, State, Zip Canonsburg, PA 15317
County Greene County
Township(s) Richhill Township
Receiving Stream(s) and Classification(s) UNTs to South Fork Dunkard Fork (TSF), UNTs to North Fork
Dunkard Fork (TSF) and UNTs to Blacks Creek (TSF)
ESCGP-2 \# ESX10-059-0068 Renewal
Applicant Name CNX Gas Company, LLC
Contact Person Erika Whetstone
Address 1000 Consol Energy Drive
City, State, Zip Canonsburg, PA 15317
County Greene County

Township(s) Morris Township
Receiving Stream(s) and Classification(s) UNTs to Boothe Run (WWF), Booth Run (WWF), UNTs to Enlow Fork (WWF)
Secondary-Enlow Fork (TSF)
ESCGP-2 \# ESX17-125-0020
Applicant Name MarkWest Liberty Midstream \& Resources LLC
Contact Person Rick Lowry
Address 4600 J. Barry Court, Suite 500
City, State, Zip Canonsburg, PA 15317
County Washington County
Township(s) Amwell Township
Receiving Stream(s) and Classification(s) UNTs to
Tenmile Creek (TSF)
ESCGP-2 \# ESX17-125-0015
Applicant Name EQT Production Company
Contact Person Todd Klaner
Address 2400 Ansys Drive, Suite 200
City, State, Zip Canonsburg, PA 15317
County Washington County
Township(s) Amwell Township
Receiving Stream(s) and Classification(s) UNTs to Horne Run and Horne Run (TSF)
ESCGP-2 \# ESX16-059-0047
Applicant Name Rice Midstreams Holding, LLC
Contact Person Kyle Shirey
Address 2200 Rice Drive
City, State, Zip Canonsburg, PA 15317
County Greene County
Township(s) Aleppo Township
Receiving Stream(s) and Classification(s) UNTs to Mudlick Fork (TSF)

ESCGP-2 \# ESX16-059-0056
Applicant Name Rice Midstreams Holding, LLC
Contact Person Kyle Shirey
Address 2200 Rice Drive
City, State, Zip Canonsburg, PA 15317
County Greene County
Township(s) Richhill Township
Receiving Stream(s) and Classification(s) UNTs to South Dunkard Fork (TSF)
ESCGP-2 \# ESX17-059-0017
Applicant Name Rice Midstreams Holding, LLC
Contact Person Kyle Shirey
Address 2200 Rice Drive
City, State, Zip Canonsburg, PA 15317
County Greene County
Township(s) Aleppo \& Springhill Township
Receiving Stream(s) and Classification(s) UNTs to Harts Run (WWF) \& Harts Run (WWF)

Southwest District: Oil \& Gas Management Program
Manager, 400 Waterfront Drive, Pittsburgh, PA 15222.
ESCGP-2 \# ESX10-125-0038 Renewal
Applicant Name EQT Production Company
Contact Person Todd Klaner
Address 2400 Ansys Drive, Suite 200
City, State, Zip Canonsburg, PA 15317
County Washington County
Township(s) Fallowfield Township
Receiving Stream(s) and Classification(s) UNTs to Saw Mill Creek and Saw Mill Creek (WWF)
ESCGP-2 \# ESX16-059-0050
Applicant Name Rice Midstreams Holding, LLC
Contact Person Kyle Shirey
Address 2200 Rice Drive

## NOTICES

City, State, Zip Canonsburg, PA 15317
County Greene County
Township(s) Aleppo Township
Receiving Stream(s) and Classification(s) UNTs to Mudlick Fork (TSF)

ESCGP-2 \# ESX16-059-0057
Applicant Name Rice Midstreams Holding, LLC
Contact Person Kyle Shirey
Address 2200 Rice Drive
City, State, Zip Canonsburg, PA 15317
County Greene County
Township(s) Aleppo Township
Receiving Stream(s) and Classification(s) UNTs to Mudlick Fork (TSF)

ESCGP-2 \# ESX11-051-0016 Renewal
Applicant Name Laurel Mountain Midstream, LLC
Contact Person Stephanie Ranker
Address 111 Enterprise Lane
City, State, Zip Connellsville, PA 15425
County Fayette County \& Westmoreland County
Township(s) Rostraver Township (Westmoreland County \& Franklin, Jefferson, Menallen, Perry and Redstone Townships, Fayette County
Receiving Stream(s) and Classification(s) UNTs to Mudlick Fork (TSF)
Southwest Region: Waterways \& Wetlands Program, 400
Waterfront Drive, Pittsburgh, PA 15222, Dana Drake,
Waterways and Wetlands Program Manager, 412-4424000.

| ESCGP-2 No. | Applicant Name \& Address | County | Municipality | Receiving Water/Use |
| :---: | :---: | :---: | :---: | :---: |
| ESG00007170002 | ETC Northeast Pipeline, LLC 6051 Wallace Run Extension Third Floor Wexford, PA 15090 | Beaver County | Jackson Township (Butler County); New Sewickley Township, Center Township, Raccoon Township, Independence Township, and Conway Borough (Beaver County); Findlay Township (Allegheny County); Smith Township, and Robinson Township (Washington County) | Brush Creek (WWF), <br> Crows Run (WWF), <br> Pine Run (WWF), <br> Moon Run (WWF), <br> Elkhorn Run (WWF), <br> Shafers Run (WWF), <br> Logtown Creek <br> (WWF), Raccoon <br> Creek (WWF), <br> Frames Run (WWF), <br> Service Creek <br> (WWF), Obney Run <br> (WWF), Potato <br> Garden Run (WWF) |
| ESG0012515011-1 | Williams Ohio Valley <br> Midstream, LLC <br> Park Place Corporate Center 2 <br> 2000 Commerce Drive <br> Pittsburgh, PA 15275 | Washington County | East Finley Township; Buffalo Township | UNT to Buffalo Creek (WWF); UNTs to Sawhill Run (WWF) |

Northwest Region: Oil and Gas Program Manager, 230 Chestnut St., Meadville, PA 16335.
ESCGP-2 \# ESG16-047-0004—Phase 3 South Pipeline Applicant NFG Midstream Clermont, LLC
Contact Mr. Duane Wassum
Address 6363 Main Street
City Williamsville State NY Zip Code 14221
County Elk \& McKean Township(s) City of St. Mary's, Jones, Ridgway \& Sergeant
Receiving Stream(s) and Classification(s) South Fork
Straight Creek and UNT-HQ-CWF (D), EV (E); UNT
Maple Run-HQ—CWF (D), EV (E); Crooked Creek-
HQ-CWF; Powers Run and UNT CWF; Middle Fork East Branch Clarion River and UNT-HQ-CWF (D), EV (E); UNT Straight Creek-HQ—CWF (D), EV (E); UNT Elk Creek (CWF); UNT Clarion River (CWF)
ESCGP-2 \# ESX17-065-0003-EQT: Christoff Well Site Applicant EQT Production Land PA
Contact Todd Klaner
Address 2400 Ansys Drive, Suite 200
City Canonsburg State PA Zip Code 15317
County Jefferson Township Washington
Receiving Stream(s) and Classification(s) Two Unnamed tributaries to Rattlesnake Run
ESCGP-2 \# ESX17-065-0002-EQT Weed Well Site
Applicant EQT Production Company
Contact Todd Klaner
Address 2400 Ansys Drive, Suite 200

City Canonsburg State PA Zip Code 15317
County Jefferson Township(s) Washington
Receiving Stream(s) and Classification(s) UNT to Wolf Run CWF, Falls Creek
Eastern Region: Oil \& Gas Management Program Manager, 208 West Third Street, Williamsport, PA 17701.
ESCGP-2 \# ESX13-115-0046(01)
Applicant Name Chief Oil \& Gas LLC
Contact Person Jeffrey Deegan
Address 1720 Sycamore Rd
City, State, Zip Montoursville, PA 17754-9303
County Susquehanna
Township(s) Lenox
Receiving Stream(s) and Classification(s) Willow Brook (CWF-MF)
ESCGP-2 \# ESX29-081-17-0026
Applicant Name EXCO Resources PA LLC
Contact Person Brian Rushe
Address 260 Executive Dr, Suite 100
City, State, Zip Cranberry Twp, PA 16066
County Lycoming
Township(s) Penn
Receiving Stream(s) and Classification(s) Big Run (CWF) Secondary—Little Muncy Ck (CWF)
ESCGP-2 \# ESG29-081-17-0024
Applicant Name Inflection Energy PA LLC
Contact Person Thomas Gillespie

Address 101 W Third St, 5th Fl
City, State, Zip Williamsport, PA 17701
County Lycoming
Township(s) Shrewsbury \& Plunketts Ck
Receiving Stream(s) and Classification(s) S Fork Bear Ck (EV)
Secondary-Bear Ck (EV)
ESCGP-2 \# ESG29-115-16-0049(01)
Applicant Name Williams Field Services Co LLC
Contact Person Kristy Grigas
Address Park Place Corp Center 2, 2000 Commerce Dr City, State, Zip Pittsburgh, PA 15275
County Susquehanna
Township(s) Gibson and Herrick
Receiving Stream(s) and Classification(s) Rock Ck (HQ, CWF-MF) and UNTs thereto; Bear Swamp Ck (CWFMF) and UNTs thereto; UNTs to Tunkhannock Ck (CWF-MF)

ESCGP-2 \# ESG29-035-17-0003
Applicant Name ARD Operating LLC
Contact Person Stephen Barondeau
Address 33 W Third St, Suite 200
City, State, Zip Williamsport, PA 17701
County Clinton
Township(s) Noyles
Receiving Stream(s) and Classification(s) UNTs to Rock Run (HQ-CWF)
Secondary-Rock Run (HQ-CWF)
ESCGP-2 \# ESG29-081-17-0022
Applicant Name EXCO Resources PA LLC
Contact Person Brian Rushe
Address 260 Executive Dr, Suite 100
City, State, Zip Cranberry Twp, PA 16066
County Lycoming
Township(s) Cogan House
Receiving Stream(s) and Classification(s) UNT to
Hoagland Run (HQ-CWF)
Secondary-Hoagland Run (HQ-CWF)
ESCGP-2 \# ESX29-115-17-0026
Applicant Name Susquehanna Gathering Co 1 LLC
Contact Person Paul Corrigan
Address 333 Technology Dr, Suite 255
City, State, Zip Canonsburg, PA 15317
County Susquehanna
Township(s) Oakland
Receiving Stream(s) and Classification(s) Hillborn Ck
(CWF-MF) and Susquehanna River (WWF-MF)
Northeast Regional Office: Waterways and Wetlands Program Manager, 2 Public Square, Wilkes Barre, PA 18701, 570-826-2511.

The following Individual Erosion and Sediment Control Permit for Earth Disturbance Associated with Oil and Gas Exploration, Production, Processing or Treatment operations or transmission facilities (E\&S Permit) has been issued by the Department under the authority of the Pennsylvania Clean Streams Law and 25 Pa. Code Chapter 102:

E\&S Permit No.: ESG 03000150001 (Individual Permit) Project Name: Atlantic Sunrise Pipeline Project (Central Penn Line)
Applicant Name: Transcontinental Gas Pipe Line Company, LLC
Contact Person: Joseph Dean
Address: 2800 Post Oak Blvd, Level 6
City, State, Zip: Houston, TX 77056

Project Locations:
Sugarloaf Township, Columbia County
Cleveland Township, Columbia County
Franklin Township, Columbia County
Montour Township, Columbia County
Hemlock Township, Columbia County
Mount Pleasant Township, Columbia County
Orange Township, Columbia County
Greenwood Township, Columbia County
Jackson Township, Columbia County
Fairmount Township, Luzerne County
Ross Township, Luzerne County
Lake Township, Luzerne County
Lehman Township, Luzerne County
Harvey's Lake Borough, Luzerne County
Dallas Township, Luzerne County
Monroe Township, Wyoming County
Northmoreland Township, Wyoming County
Eaton Township, Wyoming County
Falls Township, Wyoming County
Overfield Township, Wyoming County
Clinton Township, Wyoming County
Nicholson Township, Wyoming County
Lenox Township, Susquehanna County
Drumore Township, Lancaster County
Martic Township, Lancaster County
Conestoga Township, Lancaster County
Manor Township, Lancaster
West Hempfield Township, Lancaster County
Rapho Township, Lancaster County
Mount Joy Borough, Lancaster County
Mount Joy Township, Lancaster County
South Londonderry Township, Lebanon County
South Annville Township, Lebanon County
North Annville Township, Lebanon County
East Hanover Township, Lebanon County
Union Township, Lebanon County
Cold Springs Township, Lebanon County
Pine Grove Township, Schuylkill County
Tremont Township, Schuylkill County
Frailey Township, Schuylkill County
Porter Township, Schuylkill County
Hegins Township, Schuylkill County
Eldred Township, Schuylkill County
East Cameron Township, Northumberland County
Coal Township, Northumberland County
Ralpho Township, Northumberland County
Receiving Streams and Classifications:
Watershed: Willow Brook (CWF, MF)
Watershed: Tributaries to Willow Brook (CWF, MF)
Watershed: Utley Brook (CWF, MF)
Watershed: Millard Creek (CWF, MF)
Watershed: Tributaries to Millard Creek (CWF, MF)
Watershed: Tower Branch (CWF, MF)
Watershed: Tributaries to Tower Branch (CWF, MF)
Watershed: Tributaries to Leonard Creek (HQ-CWF, MF)
Watershed: Marsh Creek (HQ-CWF, MF)
Watershed: Tributaries to Marsh Creek (HQ-CWF, MF)
Watershed: Tributaries to Whitelock Creek (CWF, MF)
Watershed: Mill Creek (CWF, MF)
Watershed: Tributaries to Martin Creek (CWF, MF)
Watershed: Susquehanna River (WWF, MF)
Watershed: Tributaries to Susquehanna River (CWF, MF)
Watershed: Tributaries to Mill Run (CWF, MF)
Watershed: Tributaries to Beaver Creek (CWF, MF)
Watershed: Trout Brook (CWF, MF)
Watershed: Tributaries to Trout Brook (CWF, MF)

Watershed: South Branch Tunkhannock Creek (TSF, MF)
Watershed: Tributaries to South Branch Tunkhannock Creek (CWF, MF)
Watershed: Tributaries to Tunkhannock Creek (CWF, MF)
Watershed: Marsh Run (CWF, MF)
Watershed: Maple Run (HQ-CWF, MF)
Watershed: Tributaries to Maple Run (HQ-CWF, MF)
Watershed: Kitchen Creek (HQ-CWF, MF)
Watershed: Crooked Creek (HQ-CWF, MF)
Watershed: Phillips Creek (HQ-CWF, MF)
Watershed: Tributaries to Phillips Creek (HQ-CWF, MF)
Watershed: Lick Branch (HQ-CWF, MF)
Watershed: Arnold Creek (HQ-CWF, MF)
Watershed: Tributaries to Arnold Creek (HQ-CWF, MF)
Watershed: Shingle Run (HQ-CWF, MF)
Watershed: Tributaries to Shingle Run (HQ-CWF, MF)
Watershed: Mitchler Run (HQ-CWF, MF)
Watershed: Tributaries to Mitchler Run (HQ-CWF, MF)
Watershed: Huntington Creek (HQ-CWF, MF)
Watershed: Tributaries to Huntington Creek (HQ-CWF, MF)
Watershed: Fades Creek (HQ-CWF, MF)
Watershed: Pikes Creek (HQ-CWF, MF)
Watershed: Tributaries to Pikes Creek (HQ-CWF, MF)
Watershed: Paint Spring Run (HQ-CWF, MF)
Watershed: Tributaries to Paint Spring Run (HQ-CWF, MF)
Watershed: Harveys Creek (HQ-CWF, MF)
Watershed: Tributaries to Harveys Creek (HQ-CWF, MF)
Watershed: Tributaries to Huntsville Creek (CWF, MF)
Watershed: Tributaries to Leonard Creek (HQ-CWF, MF)
Watershed: Mill Creek (CWF, MF)
Watershed: Tributaries to Mill Creek (CWF, MF)
Watershed: Tributaries to Swatara Creek (CWF, MF)
Watershed: Lorberry Creek (CWF, MF)
Watershed: Tributaries to Lorberry Creek (CWF, MF)
Watershed: Lower Rausch Creek (CWF, MF)
Watershed: Tributaries to Lower Rausch Creek (CWF, MF)
Watershed: Good Spring Creek (CWF, MF)
Watershed: Pine Creek (CWF, MF)
Watershed: Tributaries to Pine Creek (CWF, MF)
Watershed: Deep Creek (CWF, MF)
Watershed: Mahantango Creek (CWF, MF)
Watershed: Tributary to Mohantango Creek (CWF, MF)
Watershed: Little Mahantango Creek (CWF-MF)
Watershed: Tributaries to Little Mahantango Creek (CWF-MF)
Watershed: South Branch of Roaring Creek (HQ-CWF, MF)
Watershed: Tributaries to South Branch of Roaring Creek (HQ-CWF, MF)
Watershed: Mugser Run (HQ-CWF, MF)
Watershed: Tributaries to Mugser Run (HQ-CWF, MF)
Watershed: Roaring Creek (TSF, MF)
Watershed: Tributaries to Roaring Creek (TSF, MF)
Watershed: Susquehanna River (WWF)
Watershed: Montour Run (CWF, MF)
Watershed: Tributaries to Montour Run (CWF, MF)
Watershed: Hemlock Creek (CWF, MF)
Watershed: Tributaries to Hemlock Creek (CWF, MF)
Watershed: Little Fishing Creek (CWF, MF)
Watershed: Tributaries to Little Fishing Creek (CWF, MF)
Watershed: Tributary to Fishing Creek (CWF, MF)

Watershed: Deerlick Run (CWF, MF)
Watershed: Tributaries to Deerlick Run (CWF, MF)
Watershed: Mud Run (TSF, MF)
Watershed: Tributaries to Mud Run (TSF, MF)
Watershed: Little Green Creek (TSF, MF)
Watershed: Green Creek (TSF, MF)
Watershed: Tributaries to Green Creek (TSF, MF)
Watershed: York Hollow (CWF, MF)
Watershed: Tributaries to York Hollow (CWF, MF)
Watershed: West Creek (CWF, MF)
Watershed: Tributary to West Creek (CWF, MF0
Watershed: Tributary to Frozen Run (HQ-CWF, MF)
Watershed: Mahanoy Creek (WWF, MF)
Watershed: Tributary to Mahanoy Creek (WWF, MF)
Watershed: Shamokin Creek (WWF, MF)
Watershed: Tributary to Shamokin Creek (WWF, MF)
Watershed: Quaker Run (CWF, MF)
Watershed: Tributaries to Quaker Run (CWF, MF)
Watershed: Coal Run (CWF, MF)
Watershed: South Branch Roaring Creek (HQ-CWF, MF)
Watershed: Tributaries to South Branch Roaring Creek (HQ-CWF, MF)
Watershed: Conewago Creek (TSF, MF)
Watershed: Tributaries to Conewago Creek (TSF, MF)
Watershed: Tributaries to Little Conewago Creek (TSF, MF)
Watershed: Gingrich Run (TSF, MF)
Watershed: Tributaries to Gingrich Run (TSF, MF)
Watershed: Quittapahilla Creek (TSF, MF)
Watershed: Tributaries to Quittapahuilla Creek (TSF, MF)
Watershed: Swatara Creek (WWF, MF)
Watershed: Tributaries to Swatara Creek (WWF, MF)
Watershed: Tributaries to Reed Creek (WWF, MF)
Watershed: Tributary to Fishing Creek (HQ-CWF, MF)
Watershed: Muddy Run (TSF, MF)
Watershed: Tributaries to Muddy Run (TSF, MF)
Watershed: Tucquan Creek (HQ-CWF, MF)
Watershed: Tributary to Trout Run (HQ-CWF, MF)
Watershed: Tributary to Climbers Run (CWF, MF)
Watershed: Climbers Run (CWF, MF)
Watershed: Tributaries to Pequea Creek (WWF, MF)
Watershed: Pequea Creek (WWF, MF)
Watershed: Tributaries to Conestoga River (WWF, MF)
Watershed: Conestoga River (WWF, MF)
Watershed: Tributaries to Witmers Run (WWF, MF)
Watershed: Indian Run (WWF, MF)
Watershed: Tributaries to Indian Run (WWF, MF)
Watershed: Witmers Run (WWF, MF)
Watershed: Stamans Run (WWF, MF)
Watershed: Tributary to Stamans Run (WWF, MF)
Watershed: Strickler Run (WWF, MF)
Watershed: Tributary to Strickler Run (WWF, MF)
Watershed: Tributary to Shawnee Run (WWF, MF)
Watershed: Shawnee Run (WWF, MF)
Watershed: Tributaries to Chiques Creek (WWF, MF)
Watershed: Chiques Creek (WWF, MF)
Watershed: Tributaries to Back Run (TSF, MF)
Watershed: Back Run (TSF, MF)
Watershed: Tributary to Brubaker Run (WWF, MF)
Watershed: Brucaker Run (TSF, MF)
Watershed: Tributaries to Little Chiques Creek (TSF, MF)
Watershed: Little Chiques Creek (TSF, MF)
Watershed: Tributary to Shells Run (TSF, MF)
Watershed: Shells Run (TSF, MF)
Watershed: Tributary to Cocolico Creek (HQ-CWF, MF)
The Department received a Notice of Intent (NOI) for
coverage under the Department's ESCGP-2 general per-
mit for this project. The Department published notice in the May 27, 2017 edition of the Pennsylvania Bulletin (46 Pa.B. 4892) that the NOI was under technical review. The Permit Number assigned to the NOI at that time was ESG0300015001. A 30-day public comment period was provided, which ended on June 26, 2017.
The Department determined that stormwater discharges associated with the proposed earth disturbances would be more appropriately controlled through an Individual E\&S Permit, and the NOI and supporting materials that were submitted by the applicant were adequate to prepare an Individual E\&S Permit.
The Department has concluded that the NOI, the Erosion and Sediment Control Plan, and the Post Construction Stormwater Management/Site Restoration plans and other associated supporting materials demonstrate compliance with the Pennsylvania Clean Streams Law and 25 Pa . Code Chapter 102 and Pennsylvania water quality standards.
This authorization is granted to authorize stormwater discharges associated with oil and gas related earth disturbance activities using erosion and sediment control and post construction stormwater best management practices (BMPs) in compliance with all representations set forth in the NOI, and its supporting documents and the permit terms and conditions.
Any person aggrieved by this action may file a petition for review pursuant to Section 19(d) of the Federal Natural Gas Act, 15 U.S.C.A. § $717 \mathrm{r}(\mathrm{d})$, with the Office of the Clerk, United States Court of Appeals for the Third Circuit, 21400 U.S. Courthouse, 601 Market Street, Philadelphia, PA 19106-1790 within 30 days of publication of this notice, or within 30 days of receipt of written notice of this action, whichever occurs first. Important legal rights are at stake, so you should show this document to a lawyer at once.
Northcentral Regional Office: Waterways \& Wetlands Program Manager, 208 W Third Street, Williamsport, PA 17701.

The following Erosion and Sediment Control General Permit (ESCGP-2) has been issued by the Department under the authority of Pennsylvania Clean Streams Law and Chapter 102 of the Department's regulations:
ESCGP-2 Permit No.: ESG00081150001
Project Name: Atlantic Sunrise Pipeline Project-Unity Loop
Applicant Name: Transcontinental Gas Pipe Line Company, LLC
Contact Person: Joseph Dean
Address: 2800 Post Oak Blvd, Level 6
City, State, Zip: Houston, TX 77056
Project Locations:
Franklin Township, Lycoming County
Jordan Township, Lycoming County
Penn Township, Lycoming County
Receiving Streams and Classifications:
West Branch Little Muncy Creek (CWF, EV), Little Indian Run (CWF, MF), Little Muncy Creek (CWF, MF), Beaver Run (CWF, MF), Big Run (CWF, MF), Sugar Run (CWF, MF), Greg's Run (CWF, MF), Larry's Creek (HQ-CWF, EV).
Any person aggrieved by this action may file a petition for review pursuant to Section 19(d) of the Federal Natural Gas Act, 15 U.S.C.A. § $717 \mathrm{r}(\mathrm{d})$, with the Office of the Clerk, United States Court of Appeals for the Third

Circuit, 21400 U.S. Courthouse, 601 Market Street, Philadelphia, PA 19106-1790 within 30 days of publication of this notice, or within 30 days of receipt of written notice of this action, whichever occurs first. Important legal rights are at stake, so you should show this document to a lawyer at once.

## SPECIAL NOTICES

## Air Quality; Notice of Proposed Revision to the State Implementation Plan for Oxides of Nitrogen, Volatile Organic Compounds, Notice of Public Hearing, and Notice of Intent to Issue Revised Air Quality Operating Permit 14-00003

Northcentral Region: Air Quality Program, 208 West Third Street, Williamsport, PA 17701.

Contact: Muhammad Q. Zaman, Program Manager, 570-327-3648.

Approval of a Reasonably Available Control Technology (RACT II) plan for Pennsylvania State University located in State College Borough and College Township, Centre County.

In accordance with 25 Pa . Code §§ 129.96-129.100, the Department of Environmental Protection has made a preliminary determination to approve a RACT II plan and an amendment to the State Implementation Plan (SIP) for the University Park Campus owned and operated by Pennsylvania State University located in State College Borough and College Township, Centre County.

The proposed SIP revision does not adopt any new regulations. It incorporates the provisions and requirements contained in the amended RACT II approval for the facility, which are intended to satisfy the requirements for the 1997 National Ambient Air Quality Standard (NAAQS) and the 2008 NAAQS for ozone.

The proposed amendments to the RACT II determination, if finally approved, will be incorporated into a revised operating permit (14-00003) for the facility. The relevant RACT II requirements will be submitted to the U.S. Environmental Protection Agency (EPA) as a revision to Pennsylvania's State Implementation Plan and will remain in effect until replaced pursuant to 40 CFR 51 and approval by the EPA. Requirements that are not part of the RACT II determination will be excluded from the SIP submittal and include the provisions of the Department's presumptive Reasonably Available Control Technology (RACT II) requirements in accordance with 25 Pa. Code § 129.97, as they apply to existing sources at this facility.

The following is a summary of the proposed amendments to the RACT II determination for this operation that will be submitted to the EPA as a SIP revision:

## Source

Two 130 million BTU/hr
E. Keeler natural gas/ \# 2 fuel oil-fired boilers

## RACT II Requirement

For each boiler, for nitrogen oxides when fired on natural gas: emission rates of 0.2 pound per million BTU; fuel usage limit of 520 million cubic feet in any 12 consecutive month period; initial and periodic source testing; appropriate recordkeeping; annual tune-ups.

Public hearing. A public hearing will be held if requested by October 10, 2017 to accept oral comments on the proposed operating permit revision and the proposed

SIP revision. The hearing will be held, if requested, on October 17, 2017, at 10:00 AM at the DEP Northcentral Regional Office, 208 West Third Street, Suite 101, Williamsport, PA 17701-6448. To request a hearing, to register to speak at a hearing, or to inquire if a hearing will be held, contact Megan Lehman at 570-327-3659. The last day to pre-register to speak at a hearing, if one is held, will be October 10, 2017.

Note that any updates made to any aspect of the hearing, including whether or not a hearing will be held, will be posted at http://www.dep.pa.gov/About/Regional/ North-central-Regional-Office/Pages/default.aspx.

Contact Megan Lehman at 570-327-3659 or monitor the Department's web site to determine if a hearing will be held.
Persons wishing to present testimony at the hearing should contact Megan Lehman at 570-327-3659 at least one week in advance of the hearing to reserve a time to present testimony. Oral testimony will be limited to a maximum of 10 minutes per individual and two written copies of the oral testimony are requested. Each organization is requested to designate one witness to present testimony on its behalf. Persons unable to attend the hearing, if it is held, may submit three (3) copies of a written statement and exhibits within 10 days thereafter to Muhammad Q. Zaman, Environmental Program Manager, Department of Environmental Protection, North central Regional Office, 208 West Third Street, Suite 101, Williamsport, PA 17701-6448.
Persons wishing to file a written protest or provide comments or additional information, which they believe should be considered prior to the issuance of a permit, may submit the information to Muhammad Q. Zaman, Environmental Program Manager, Department of Environmental Protection, Northcentral Regional Office, 208 West Third Street, Suite 101, Williamsport, PA 177016448. A 30-day comment period from September 9, 2017 will exist for the submission of comments, protests and information. Each submission must contain the name, address and telephone number of the person submitting the comments, identification of the proposed RACT II Operating Permit including the permit number and a concise statement regarding the relevancy of the information or objections to issuance of the proposed RACT II Plan.

All pertinent documents are available for public review between 8 a.m. and 4 p.m. at the DEP Northcentral Regional Office, 208 West Third Street, Suite 101, Williamsport, PA 17701-6448. Appointments for scheduling a review may be made by calling the Department at 570-327-0550.

Persons with a disability who wish to comment and require an auxiliary aid, service or other accommodations to do so should contact Megan Lehman at 570-327-3659 or the Pennsylvania AT\&T Relay Service at 1-800-6545984 (TDD) to discuss how the Department may accommodate you.
[Pa.B. Doc. No. 17-1478. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Sewage Advisory Committee Rescheduled Meeting

The Sewage Advisory Committee meeting scheduled for Wednesday, September 13, 2017, has been rescheduled to Wednesday, October 4, 2017. The meeting will begin at 9:30 a.m. in Room 105, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA.

The Department of Environmental Protection (Department) will publish the agenda and meeting materials for the October 4, 2017, meeting at www.dep.pa.gov (select "Public Participation," then "Advisory Committees," then "Water Advisory Committees," then "Sewage Advisory Committee").

Questions concerning these meetings can be directed to Janice Vollero at (717) 772-5157. Persons in need of accommodations as provided for in the Americans with Disabilities Act of 1990 should contact the Department at (717) 772-5157 or through the Pennsylvania AT\&T Relay Service at (800) 654-5984 (TDD) to discuss how the Department may accommodate their needs.

PATRICK McDONNELL,
Secretary
[Pa.B. Doc. No. 17-1479. Filed for public inspection September 8, 2017, 9:00 a.m.]

## DEPARTMENT OF HEALTH

## Ambulatory Surgical Facilities; Requests for Exceptions

The following ambulatory surgical facilities (ASF) have filed requests for exceptions under 28 Pa . Code § 51.33 (relating to requests for exceptions) with the Department of Health (Department), which has authority to license ASFs under the Health Care Facilities Act (35 P.S. §§ 448.101-448.904b). The following requests for exceptions relate to regulations governing ASF licensure in 28 Pa . Code Chapters 51 and $551-571$ (relating to general information; and ambulatory surgical facilities).

## Facility Name

E. Ronald Salvitti, MD, Inc., d/b/a Southwestern

Pennsylvania Eye Surgery Center
Oxford Valley Pain \& Surgical Center
Prospect CCMC, LLC, d/b/a Crozer Endoscopy Center

## Regulation

28 Pa . Code § 551.3 (relating to definitions), specifically subparagraph (ii) of the definition of "classification levels," regarding Class B facilities PS IV patients
28 Pa . Code § 51.3(a) (relating to notification)
28 Pa . Code § 557.3(a)—(f) (relating to Quality Assurance and Improvement Program)

Facility Name
Prospect CCMC, LLC, d/b/a Crozer Keystone Surgery Center at Brinton Lake
Prospect CCMC, LLC, d/b/a Crozer Keystone Surgery Center at Haverford

## Regulation

28 Pa . Code § 557.3(a)—(f)

28 Pa. Code § 557.3(a)—(f)

The previously listed requests are on file with the Department. Persons may receive a copy of a request for exception by requesting a copy from the Department of Health, Division of Acute and Ambulatory Care, Room 532, Health and Welfare Building, Harrisburg, PA 17120, (717) 783-8980, fax (717) 772-2163, ra-paexcept@pa.gov. Persons who wish to comment on an exception request may do so by sending a letter by mail, e-mail or facsimile to the Division at the previously listed address. Comments received by the Department within 10 days after the date of publication of this notice will be reviewed by the Department before it decides whether to approve or disapprove the request for exception.
Persons with a disability who wish to obtain a copy of a request and/or provide comments to the Department and require an auxiliary aid, service or other accommodation to do so should contact the Director, Division of Acute and Ambulatory Care at (717) 783-8980, for speech and/or hearing impaired persons, call the Pennsylvania AT\&T Relay Service at (800) 654-5984 (TDD users) or (800) 654-5988 (voice users).

## RACHEL L. LEVINE, MD, <br> Acting Secretary

[Pa.B. Doc. No. 17-1480. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Hospitals; Requests for Exceptions

The following hospitals have filed requests for exceptions under 28 Pa . Code $\S 51.33$ (relating to requests for exceptions) with the Department of Health (Department), which has authority to license hospitals under the Health Care Facilities Act (35 P.S. §§ 448.101-448.904b). The following requests for exceptions relate to regulations governing hospital licensure in 28 Pa . Code Chapters 51 and 101-158 (relating to general information; and general and special hospitals), with the exception of 28 Pa . Code § 153.1 (relating to minimum standards). Exception requests related to 28 Pa. Code § 153.1 are listed separately in this notice.

## Facility Name

UPMC Jameson
Saint Vincent Hospital

## Regulation

28 Pa . Code § 107.26(b)(3) (relating to additional committees)
28 Pa . Code § 107.61 (relating to written orders)

The following hospitals are requesting exceptions under 28 Pa . Code § 153.1. Requests for exceptions under this section relate to minimum standards that hospitals must comply with under the Guidelines for Design and Construction of Hospitals and Outpatient Facilities (Guidelines). The following list includes the citation to the section under the Guidelines that the hospital is seeking an exception, as well as the publication year of the applicable Guidelines.

## Facility Name

Hospital of the University of Pennsylvania
St. Luke's Miner Memorial Medical Center
Guidelines Section
$2.1-8.5 .3 .2$
$2.1-8.5 \cdot 3.1(1)$
$2.1-8.5 .3 .2$
$2.1-8.5 .3 .3(2)$
$2.1-8.5 .3 .4(1)$
$3.1-6.2 .4 .1$
$2.2-2 \cdot 6.6 .11(2)(\mathrm{a})$
$2.2-3.4 .2 .1(1)(\mathrm{b})$

|  | Public |
| :--- | :--- |
| Relating to | Year |
| Size (TDRs) | 2014 |
| Number (TDRs) | 2014 |
| Size (TDRs) | 2014 |
| Location and access requirements | 2014 |
| Facility requirements | 2014 |
| Toilet rooms for public use | 2014 |
| Equipment and supply storage | 2014 |
| CT scanner rooms | 2014 |

## Relating to

Number (TDRs)
Location and access requirements Facility requirements
Toilet rooms for public use

CT scanner rooms
2.2-3.4.2.1(1)(b) Publication

UPMC Presbyterian Shadyside
All previously listed requests are on file with the Department. Persons may receive a copy of a request for exception by requesting a copy from the Department of Health, Division of Acute and Ambulatory Care, Room 532, Health and Welfare Building, Harrisburg, PA 17120, (717) 783-8980, fax (717) 772-2163, ra-paexcept@pa.gov. Persons who wish to comment on an exception request may do so by sending a letter by mail, e-mail or facsimile to the Division at the previously listed address. Comments received by the Department within 10 days after the date of publication of this notice will be reviewed by the Department before it decides whether to approve or disapprove the request for exception.
Persons with a disability who wish to obtain a copy of a request and/or provide comments to the Department and require an auxiliary aid, service or other accommodation to do so should contact the Director, Division of Acute and Ambulatory Care at (717) 783-8980, for speech and/or hearing impaired persons V/TT (717) 783-6154, or for speech and/or hearing impaired persons, call the Pennsylvania AT\&T Relay Service at (800) 654-5984 (TDD users) or (800) 654-5988 (voice users).

## Long-Term Care Nursing Facilities; Requests for Exception

The following long-term care nursing facility is seeking an exception to 28 Pa . Code § $201.22(\mathrm{j})$ (relating to prevention, control and surveillance of tuberculosis (TB)): Lakeside at Willow Valley
300 Willow Valley Lakes Drive
Willow Street, PA 17584
FAC ID \# 233602
This request is on file with the Department of Health (Department). Persons may receive a copy of a request for exception by requesting a copy from the Department of Health, Division of Nursing Care Facilities, Room 526, Health and Welfare Building, Harrisburg, PA 17120, (717) 787-1816, fax (717) 772-2163, ra-paexcept@pa.gov.

Persons who wish to comment on an exception request may do so by sending a letter by mail, e-mail or facsimile to the Division at the previously listed address.

Comments received by the Department within 10 days after the date of publication of this notice will be reviewed by the Department before it decides whether to approve or disapprove the request for exception.
Persons with a disability who wish to obtain a copy of the request and/or provide comments to the Department and require an auxiliary aid, service or other accommodation to do so should contact the Division at the address or phone number listed previously, or for speech and/or
hearing impaired persons, call the Pennsylvania AT\&T Relay Service at (800) 654-5984 (TDD users) or (800) 654-5988 (voice users).

RACHEL L. LEVINE, MD, Acting Secretary
[Pa.B. Doc. No. 17-1482. Filed for public inspection September 8, 2017, 9:00 a.m.]

## DEPARTMENT OF LABOR AND INDUSTRY

Determination of the Average Wholesale Price of Prescription Drugs by the Department

Under 34 Pa . Code § 127.131(b) (relating to payments for prescription drugs and pharmaceuticals-generally), the Department of Labor and Industry, Bureau of Workers' Compensation, gives notice that it utilizes the Red Book, published by Truven Health Analytics, to determine the average wholesale price of prescription drugs.

> ROBERT V. O'BRIEN, Acting Secretary
[Pa.B. Doc. No. 17-1483. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Range of Fees and Average Fee Charged by Utilization Review Organizations and Peer Review Organizations for Services Performed under the Workers' Compensation Act

Under 34 Pa . Code § $127.667(\mathrm{~b})$ (relating to compensation policy), the Department of Labor and Industry (Department), Bureau of Workers' Compensation, gives notice of the range of fees charged by Utilization Review Organizations (URO) and Peer Review Organizations (PRO) for services performed under the Workers' Compensation Act (77 P.S. §§ 1-1041.4 and 2501-2625) during 2016. The Department further provides notice of the average fee charged by each URO and PRO during 2016.

## 2016 Utilization Review Organizations Minimum and Maximum Fees

| URO /PRO | Minimum Fee | Maximum Fee |
| :--- | ---: | ---: |
| Alico Services LTD | $\$ 238.97$ | $\$ 2,923.19$ |
| American Review Systems, Inc. | $\$ 160.00$ | $\$ 3,930.00$ |
| CAB Medical Consultants | $\$ 350.00$ | $\$ 5,334.75$ |
| Caduceus Lex Medical Auditing | $\$ 195.85$ | $\$ 4,024.88$ |
| CEC, Inc. | $\$ 410.00$ | $\$ 4,760.65$ |
| Chiro Med Review Co. | $\$ 235.45$ | $\$ 5,633.15$ |
| Denovo Management | $\$ 144.00$ | $\$ 3,350.00$ |
| DLB Services | $\$ 84.96$ | $\$ 3,918.78$ |
| Hajduk \& Assoc. URO/PRO Ser. | $\$ 1.00$ | $\$ 3,463.82$ |
| Industrial Rehabilitation Assoc. | $\$ 375.00$ | $\$ 5,875.00$ |
| KVS Consulting Services | $\$ 314.18$ | $\$ 4,455.69$ |
| Laurel Reviews | $\$ 394.67$ | $\$ 3,681.22$ |
| Margroff Review Services | $\$ 233.61$ | $\$ 3,903.53$ |
| McBride \& McBride Associates | $\$ 535.90$ | $\$ 4,100.21$ |
| Quality Assurance Reviews, Inc. | $\$ 595.00$ | $\$ 6,792.84$ |
| Rachels Reviews | $\$ 173.54$ | $\$ 4,992.24$ |
| T \& G Reviews | $\$ 400.00$ | $\$ 3,875.00$ |
| Uniontown MRPC | $\$ 204.72$ | $\$ 6,713.50$ |

URO/PRO
Watson Review Services
West Penn IME, Inc.
Total Averages (2016)

Minimum Fee
Maximum Fee
\$168.56
\$4,525.82
$\$ 496.00$
\$6,432.24
$\$ 285.57$
$\mathbf{\$ 4 , 6 3 4 . 3 3}$

34 Pa. Code § 127.667(b): The Bureau will publish in the Pennsylvania Bulletin, on an annual basis, the range of fees charged by each URO and PRO for services performed under the act and this chapter during the preceding year.

ROBERT V. O'BRIEN,
Acting Secretary
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## DEPARTMENT OF REVENUE

## Pennsylvania Fang-Tastic Fortune Instant Lottery Game 1302

Under the State Lottery Law (72 P.S. §§ 3761-101-$3761-314)$ and 61 Pa . Code § 819.203 (relating to notice of instant game rules), the Secretary of Revenue hereby provides public notice of the rules for the following instant lottery game:

1. Name: The name of the game is Pennsylvania FangTastic Fortune (hereinafter "Fang-Tastic Fortune"). The game number is PA-1302.
2. Price: The price of a Fang-Tastic Fortune instant lottery game ticket is $\$ 5$.
3. Play Symbols: Each Fang-Tastic Fortune instant lottery game ticket will contain one play area featuring a "WINNING NUMBERS" area and a "YOUR NUMBERS" area. The play symbols and their captions located in the "WINNING NUMBERS" area are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN), 20 (TWENT), 21 (TWYONE), 22 (TWYTWO), 23 (TWYTHR), 24 (TWYFOR), 25 (TWYFIV), 26 (TWYSIX), 27 (TWYSVN), 28 (TWYEGT), 29 (TWYNIN) and 30 (THIRTY). The play symbols and their captions located in the "YOUR NUMBERS" area are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN), 20 (TWENT), 21 (TWYONE), 22 (TWYTWO), 23 (TWYTHR), 24 (TWYFOR), 25 (TWYFIV), 26 (TWYSIX), 27 (TWYSVN), 28 (TWYEGT), 29 (TWYNIN), 30 (THIRTY), Fistful of Cash (WIN50) symbol and a Vampire (WINALL) symbol.
4. Prize Symbols: The prize symbols and their captions located in the "YOUR NUMBERS" area are: $\$ 5^{\circ 00}$ (FIV DOL), $\$ 10^{.00}$ (TEN DOL), $\$ 15^{.00}$ (FIFTN), $\$ 25^{.00}$ (TWY FIV), $\$ 30^{.00}$ (THIRTY), $\$ 50^{.00}$ (FIFTY), $\$ 60^{.00}$ (SIXTY), $\$ 100$ (ONE HUN), $\$ 200$ (TWO HUN), $\$ 500$ (FIV HUN), $\$ 1,000$ (ONE THO) and $\$ 50,000$ (FTY THO).
5. Prizes: The prizes that can be won in this game are: $\$ 5, \$ 10, \$ 15, \$ 25, \$ 30, \$ 50, \$ 60, \$ 100, \$ 200, \$ 500, \$ 1,000$, and $\$ 50,000$. A player can win up to 12 times on a ticket.
6. Second-Chance Drawing: The Pennsylvania Lottery will conduct a Monster Cash Second-Chance Drawing for which non-winning Fang-Tastic Fortune instant lottery game tickets may be eligible as provided in section 10.
7. Approximate Number of Tickets Printed For the Game: Approximately 5,400,000 tickets will be printed for the Fang-Tastic Fortune instant lottery game.

## 8. Determination of Prize Winners:

(a) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 50,000$ (FTY THO) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 50,000$.
(b) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 1,000$ (ONE THO) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 1,000$.
(c) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a Vampire (WINALL) symbol, and a prize symbol of $\$ 200$ (TWO HUN) appears in four of the "Prize" areas and a prize symbol of $\$ 25^{.00}$ (TWY FIV) appears in eight of the "Prize" areas, on a single ticket, shall be entitled to a prize of $\$ 1,000$.
(d) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 500$ (FIV HUN) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 500$.
(e) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a Vampire (WINALL) symbol, and a prize symbol of $\$ 200$ (TWO HUN) appears in two of the "Prize" areas and a prize symbol of $\$ 10^{.00}$ (TEN DOL) appears in ten of the "Prize" areas, on a single ticket, shall be entitled to a prize of $\$ 500$.
(f) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a Vampire (WINALL) symbol, and a prize symbol of $\$ 100$ (ONE HUN) appears in two of the "Prize" areas and a prize symbol of $\$ 30^{.00}$ (THIRTY) appears in ten of the "Prize" areas, on a single ticket, shall be entitled to a prize of $\$ 500$.
(g) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 200$ (TWO HUN) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 200$.
(h) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a Vampire (WINALL) symbol, and a prize symbol of $\$ 25^{\circ 0}$ (TWY FIV) appears in four of the "Prize" areas, a prize symbol of $\$ 15^{.00}$ (FIFTN) appears in four of the "Prize" areas and a prize
symbol of $\$ 10^{.00}$ (TEN DOL) appears in four of the "Prize" areas, on a single ticket, shall be entitled to a prize of $\$ 200$.
(i) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 100$ (ONE HUN) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 100$.
(j) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a Vampire (WINALL) symbol, and a prize symbol of $\$ 10^{.00}$ (TEN DOL) appears in eight of the "Prize" areas and a prize symbol of $\$ 5.00$ (FIV DOL) appears in four of the "Prize" areas, on a single ticket, shall be entitled to a prize of $\$ 100$.
(k) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 60^{.00}$ (SIXTY) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 60$.
(1) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a Vampire (WINALL) symbol, and a prize symbol of $\$ 5^{.00}$ (FIV DOL) appears in all twelve of the "Prize" areas, on a single ticket, shall be entitled to a prize of $\$ 60$.
(m) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 50^{\circ 00}$ (FIFTY) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 50$.
(n) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a Fistful of Cash (WIN50) symbol, and a prize symbol of $\$ 50^{.00}$ (FIFTY)

| When Any Of Your Numbers Match |  |
| :--- | ---: |
| Any Winning Number, Win Prize |  |
| Shown Under The Matching Number. |  |
| Win With: | Win: |
| $\$ 5$ | $\$ 5$ |
| $\$ 5 \times 2$ | $\$ 10$ |
| $\$ 10$ | $\$ 10$ |
| $\$ 5 \times 3$ | $\$ 15$ |
| $\$ 10+\$ 5$ | $\$ 15$ |
| $\$ 15$ | $\$ 15$ |
| $\$ 5 \times 5$ | $\$ 25$ |
| $(\$ 10 \times 2)+\$ 5$ | $\$ 25$ |
| $\$ 25$ | $\$ 25$ |
| $\$ 5 \times 6$ | $\$ 30$ |
| $\$ 10 \times 3$ | $\$ 30$ |
| $\$ 15 \times 2$ | $\$ 30$ |
| $(\$ 10 \times 2)+(\$ 5 \times 2)$ | $\$ 30$ |
| $\$ 30$ | $\$ 30$ |
| $\$ 5 \times 10$ | $\$ 50$ |
| $\$ 10 \times 5$ | $\$ 50$ |
| $\$ 50 \times /$ FISTFUL OF CASH | $\$ 50$ |
| $\$ 50$ | $\$ 50$ |
| VAMPIRE w/ $(\$ 5 \times 12)$ | $\$ 60$ |
| $\$ 10 \times 6$ | $\$ 60$ |
| $\$ 15 \times 4$ | $\$ 60$ |
| $\$ 30 \times 2$ | $\$ 60$ |

$\$ 30 \times 2$
appears in the "Prize" area under that Fistful of Cash (WIN50) symbol, on a single ticket, shall be entitled to a prize of $\$ 50$.
(o) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 30^{.00}$ (THIRTY) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 30$.
(p) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 25^{.00}$ (TWY FIV) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 25$.
(q) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 15^{\circ 00}$ (FIFTN) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 15$.
(r) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 10^{.00}$ (TEN DOL) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 10$.
(s) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 5^{\circ 00}$ (FIV DOL) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 5$.
9. Number and Description of Prizes and Approximate Odds: The following table sets forth the approximate number of winners, amounts of prizes, and approximate odds of winning:

|  | Approximate <br> Odds Are 1 In: | Of Winners Per |
| ---: | :---: | ---: |
| Win: | 10 | 540,0000 |
| $\$ 5$ | 37.5 | 144,000 |
| $\$ 10$ | 30 | 180,000 |
| $\$ 10$ | 60 | 90,000 |
| $\$ 15$ | 120 | 45,000 |
| $\$ 15$ | 120 | 45,000 |
| $\$ 15$ | 200 | 27,000 |
| $\$ 25$ | 300 | 18,000 |
| $\$ 25$ | 600 | 9,000 |
| $\$ 25$ | 600 | 9,000 |
| $\$ 30$ | 600 | 9,000 |
| $\$ 30$ | 600 | 9,000 |
| $\$ 30$ | 600 | 9,000 |
| $\$ 30$ | 150 | 36,000 |
| $\$ 30$ | 600 | 9,000 |
| $\$ 50$ | 600 | 9,000 |
| $\$ 50$ | 200 | 27,000 |
| $\$ 50$ | 600 | 9,000 |
| $\$ 50$ | 461.54 | 11,700 |
| $\$ 60$ | 4,000 | 1,350 |
| $\$ 60$ | 4,000 | 1,350 |
| $\$ 60$ | 4,000 | 1,350 |


| When Any Of Your Numbers Match |  |
| :--- | ---: |
| Any Winning Number, Win Prize |  |
| Shown Under The Matching Number. |  |
| Win With: | Win: |
| $(\$ 50 \mathrm{w} /$ FISTFUL OF CASH $)+(\$ 5 \times 2)$ | $\$ 60$ |
| $(\$ 50 \mathrm{w} /$ FISTFUL OF CASH $)+\$ 10$ | $\$ 60$ |
| $\$ 60$ | $\$ 60$ |
| VAMPIRE w/ $((\$ 10 \times 8)+(\$ 5 \times 4))$ | $\$ 100$ |
| $\$ 10 \times 10$ | $\$ 100$ |
| $\$ 25 \times 4$ | $\$ 100$ |
| $(\$ 50 \mathrm{w} /$ FISTFUL OF CASH $)+(\$ 25 \times 2)$ | $\$ 100$ |
| $(\$ 50 \mathrm{w} /$ FISTFUL OF CASH $) \times 2$ | $\$ 100$ |
| $\$ 100$ | $\$ 100$ |
| VAMPIRE w/ $((\$ 25 \times 4)+(\$ 15 \times 4)+(\$ 10 \times 4))$ | $\$ 200$ |
| $\$ 25 \times 8$ | $\$ 200$ |
| $\$ 100 \times 2$ | $\$ 200$ |
| $((\$ 50 \mathrm{w} /$ FISTFUL OF CASH $) \times 2)+\$ 100$ | $\$ 200$ |
| $(\$ 50 \mathrm{w} /$ FISTFUL OF CASH $) \times 4$ | $\$ 200$ |
| $\$ 200$ | $\$ 200$ |
| VAMPIRE w/ $((\$ 100 \times 2)+(\$ 30 \times 10))$ |  |
| VAMPIRE w/ $((\$ 200 \times 2)+(\$ 10 \times 10))$ | $\$ 500$ |
| $\$ 100 \times 5$ | $\$ 500$ |
| $\$ 500$ | $\$ 500$ |
| VAMPIRE w/ $((\$ 200 \times 4)+(\$ 25 \times 8))$ | $\$ 500$ |
| $\$ 100 \times 10$ | $\$ 1,000$ |
| $\$ 500 \times 2$ | $\$ 1,000$ |
| $\$ 1,000$ | $\$ 1,000$ |
| $\$ 50,000$ | $\$ 1,000$ |

Reveal a "FISTFUL OF CASH" (WIN50) symbol, win $\$ 50$ instantly.
Reveal a "VAMPIRE" (WINALL) symbol, win all 12 prizes shown!

Prizes, including top prizes, are subject to availability at the time of purchase.
10. Second-Chance Drawing: Pennsylvania Lottery's Monster Cash Second-Chance Drawing (hereafter, the "Drawing").
(a) Qualifying Tickets: Non-winning PA-1302 FangTastic Fortune (\$5) and PA-1303 Mummy Money (\$2) instant lottery game tickets ("Qualifying Tickets") are eligible for entry in the Drawing.
(b) Participation and Entry:
(1) Entrants must be members of the Pennsylvania Lottery VIP Players Club to participate in the Drawing. To join the VIP Players Club, visit http:// www.palottery.state.pa.us/vipplayersclub/login.aspx. Becoming a VIP Players Club member is free.
(2) To enter the Drawing, entrants must submit the identifying information from at least one Qualifying Ticket via the Drawing's promotional website, available at http://www.palottery.com, or the Pennsylvania Lottery's official mobile application during the entry period. The identifying information from a Qualifying Ticket may be submitted only once in the Drawing. No other method of submission will be accepted, and entries submitted using any other method, including entries mailed or handdelivered to the Pennsylvania Lottery, are not valid and will be disqualified.
(3) Each entry must be complete and the information supplied by the entrant must be accurate. Incomplete entries cannot be accepted.
(4) Only one claimant per entry allowed.
(5) Entrants must be 18 years of age or older.
(6) Players may submit the identifying information from an unlimited number of Qualifying Tickets in the Drawing.
(7) Once an entry has been submitted it cannot be withdrawn or changed.
(c) Drawing Description:
(1) The Lottery will conduct one Monster Cash SecondChance Drawing. All time references are Eastern Prevailing Time.
(i) All entries received after 11:59:59 p.m. September 10, 2017, through 11:59:59 p.m. November 2, 2017, will be entered into the Drawing to be held between November 3, 2017 and November 13, 2017.
(ii) The entry period for the Drawing will be posted to the Pennsylvania Lottery's publicly accessible website.
(2) The number of entries an entrant will receive for the Drawing is determined by the purchase price of the Qualifying Ticket entered. The respective purchase prices and corresponding number of entries for Qualifying Tickets are as follows: PA-1303 Mummy Money (\$2) = 2 entries; and PA-1302 Fang-Tastic Fortune (\$5) $=5$ entries.
(3) Players may review prizes won and their entries for the Drawing via the Drawing's promotional website.
(d) Prizes Available to be Won, Determination of Winners, and Odds of Winning:
(1) The prize entitlements described below are subject to all restrictions and limitations described in section 10(e), or mentioned anywhere else in these rules.
(2) The Lottery will conduct one Drawing from among all the entries received during the entry period as described in section 10(c).
(3) The first entry selected from the total number of entries awarded in the Drawing will be a winning entry, and the entrant who submitted the winning entry shall be entitled to a prize of $\$ 100,000$.
(4) The second through the eleventh entries selected in the Drawing will be winning entries and the entrants who submitted the winning entries shall be entitled to a prize of $\$ 5,000$.
(5) The number of winning entries to be selected for the Drawing will be posted to the Pennsylvania Lottery's publicly accessible website.
(6) The odds of winning in the Drawing depend upon the number of entries received for the Drawing.
(7) A computer-generated randomizer will be used to select the Drawing winners.
(8) All prizes will be paid as one-time, lump-sum cash payments, less appropriate state and federal income tax withholding.
(e) Drawing Restrictions:
(1) To be eligible to participate in the Drawing, entrants must have complied with the requirements of these rules.
(2) The Lottery is not responsible for late, lost or misdirected entries not entered into the Drawing. The Lottery is not responsible for entries that are not entered into the Drawing because of incompatible internet browsers, mobile lottery application failure or other technical issues. If an entry is selected as a winner and rejected or otherwise disqualified during or following the Drawing, the Lottery will select another entry to replace the rejected or otherwise disqualified entry in accordance with these rules and Lottery procedure.
(3) If any discrepancy exists between these rules and any material describing the Drawing, these rules shall govern.
(4) Employees of the Pennsylvania Lottery, MARC Advertising, Scientific Games International Inc., MDI Entertainment, LLC, and their subcontractors, or a spouse, child, brother, sister or parent residing as a member of the same household in the principle place of residence of any such person are not eligible to participate in the Drawing. Offer void where prohibited or restricted.
(5) The Pennsylvania Lottery reserves the right, in its sole discretion, to cancel or suspend the Drawing and change these rules if the Drawing cannot be conducted as planned due to errors in these rules or advertising, unauthorized intervention, tampering, fraud, technical errors, viruses, worms, bugs, or any other cause beyond the control of the Pennsylvania Lottery that, in the Pennsylvania Lottery's sole judgment, could corrupt or impair the administration, security, fairness, integrity, or proper conduct of the Drawing.
(6) All entries shall be subject to verification by the Pennsylvania Lottery.
(7) The Pennsylvania Lottery reserves the right, in its sole discretion, to disqualify an entrant found to be tampering with the operation of the Drawing or to be acting in violation of these rules or applicable law.
(8) The Drawing is governed by the laws of the Commonwealth of Pennsylvania. Applicable laws and regulations apply.
(9) Prizes must be claimed within one year of the drawing date of the drawing in which the prize was won. If no claim is made within one year of the drawing date of the drawing in which the prize was won, the right of an entrant to claim the prize won, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided by statute.
(10) Final determination of winners will be made by the Secretary, whose judgment will be final and binding.
(11) A prize awarded in the Drawing to a person who dies before receiving the prize shall be paid according to 61 Pa . Code $\S 811.16$ (relating to prizes payable after death of a prize winner).
(12) A winner is responsible for all taxes arising from or in connection with any prize won.
(13) A player may only win the prize for which the player is first selected in the Drawing. Subsequent entries, from the same individual, selected in the Drawing will be disqualified and a replacement entry will be selected.
(14) Prizes are not transferrable.
(15) Other restrictions may apply.
11. Retailer Incentive Awards: The Lottery may conduct a separate Retailer Incentive Program for retailers who sell Fang-Tastic Fortune instant lottery game tickets.
12. Retailer Bonus: The Lottery may offer a retailer bonus in connection with the sale of Pennsylvania instant lottery game tickets. If a retailer bonus is offered, a Lottery retailer shall be eligible for a bonus as described in this section. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least $\$ 100,000$ and not exceeding $\$ 500,000$ shall be paid a bonus of $\$ 500$. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least $\$ 500,001$ and not exceeding $\$ 1,000,000$ shall be paid a bonus of $\$ 5,000$. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least $\$ 1,000,001$ and not exceeding $\$ 10,000,000$ shall be paid a bonus of $\$ 10,000$. A Lottery retailer is entitled only to the largest bonus for which he qualifies on a winning ticket. A bonus will be initiated for payment after the instant ticket is claimed and validated. A bonus will not be awarded to a Lottery retailer that sells a nonwinning Pennsylvania Lottery instant ticket used to enter a Pennsylvania Lottery second-chance drawing or promotion that is subsequently selected to win a prize.
13. Unclaimed Prize Money: For a period of 1 year from the announced close of Fang-Tastic Fortune, prize money from winning Fang-Tastic Fortune instant lottery game tickets will be retained by the Secretary for payment to the persons entitled thereto. If no claim is made within 1 year of the announced close of the Fang-Tastic Fortune instant lottery game, the right of a ticket holder to claim the prize represented by the ticket, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided for by statute.
14. Governing Law: In purchasing a ticket, the customer agrees to comply with and abide by the State Lottery Law (72 P.S. §§ 3761-101-3761-314), 61 Pa. Code Part V (relating to State Lotteries) and the provisions contained in this notice.
15. Termination of the Game: The Secretary may announce a termination date, after which no further tickets from this game may be sold. The announcement will be disseminated through media used to advertise or promote Fang-Tastic Fortune or through normal communications methods.

## C. DANIEL HASSELL, Secretary

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## Pennsylvania Heads or Tails Instant Lottery Game 1304

Under the State Lottery Law (72 P.S. §§ 3761-101-$3761-314)$ and 61 Pa . Code § 819.203 (relating to notice of instant game rules), the Secretary of Revenue hereby provides public notice of the rules for the following instant lottery game:

1. Name: The name of the game is Pennsylvania Heads or Tails (hereinafter referred to as "Heads or Tails"). The game number is PA-1304.
2. Price: The price of a Heads or Tails instant lottery game ticket is $\$ 1$.
3. Play Symbols: Each Heads or Tails instant lottery game ticket will contain one play area. The play area will contain a "WINNING NUMBERS" area and a "YOUR NUMBERS" area. The play symbols and their captions located in the "WINNING NUMBERS" areas are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN) and 20 (TWENT). The play symbols and their captions located in the "YOUR NUMBERS" area are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN), 20 (TWENT), an H (HEADS) symbol and a T (TAILS) symbol.
4. Prize Symbols: The prize symbols and their captions located in the "YOUR NUMBERS" area are: FREE (TICKET), $\$ 1^{.00}$ (ONE DOL), $\$ 2^{.00}$ (TWO DOL), $\$ 5^{.00}$ (FIV DOL), $\$ 10^{\circ 00}$ (TEN DOL), $\$ 20^{.00}$ (TWENTY), $\$ 25^{.00}$ (TWY FIV), \$40.00 (FORTY), \$100 (ONE HUN) and \$1,000 (ONE THO).
5. Prizes: The prizes that can be won in this game are: Free $\$ 1$ ticket, $\$ 1, \$ 2, \$ 5, \$ 10, \$ 20, \$ 25, \$ 40, \$ 100$ and $\$ 1,000$. A player can win up to 4 times on a ticket.
6. Approximate Number of Tickets Printed For the Game: Approximately $9,600,000$ tickets will be printed for the Heads or Tails instant lottery game.

## 7. Determination of Prize Winners:

(a) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either "WINNING NUMBERS" play symbol and a prize symbol of $\$ 1,000$ (ONE THO) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 1,000$.
(b) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either "WINNING NUMBERS" play symbol and a prize symbol of
\$100 (ONE HUN) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 100$.
(c) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an H (HEADS) symbol or a T (TAILS) symbol and a prize symbol of $\$ 100$ (ONE HUN) appears in the "Prize" area under that H (HEADS) symbol or T (TAILS) symbol, on a single ticket, shall be entitled to a prize of $\$ 100$.
(d) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either "WINNING NUMBERS" play symbol and a prize symbol of $\$ 40^{.00}$ (FORTY) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 40$.
(e) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an H (HEADS) symbol or a T (TAILS) symbol and a prize symbol of $\$ 40^{.00}$ (FORTY) appears in the "Prize" area under that H (HEADS) symbol or T (TAILS) symbol, on a single ticket, shall be entitled to a prize of $\$ 40$.
(f) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either "WINNING NUMBERS" play symbol and a prize symbol of $\$ 25^{.00}$ (TWY FIV) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 25$.
(g) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an H (HEADS) symbol or a T (TAILS) symbol and a prize symbol of $\$ 25^{.00}$ (TWY FIV) appears in the "Prize" area under that H (HEADS) symbol or T (TAILS) symbol, on a single ticket, shall be entitled to a prize of $\$ 25$.
(h) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either "WINNING NUMBERS" play symbol and a prize symbol of $\$ 20^{.00}$ (TWENTY) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 20$.
(i) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an H (HEADS) symbol or a T (TAILS) symbol and a prize symbol of $\$ 20^{\circ 00}$ (TWENTY) appears in the "Prize" area under that H (HEADS) symbol or T (TAILS) symbol, on a single ticket, shall be entitled to a prize of $\$ 20$.
(j) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either "WINNING NUMBERS" play symbol and a prize symbol of $\$ 10^{.00}$ (TEN DOL) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 10$.
(k) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an H (HEADS) symbol or a T (TAILS) symbol and a prize symbol of $\$ 10^{.00}$ (TEN DOL) appears in the "Prize" area under that H (HEADS) symbol or $T$ (TAILS) symbol, on a single ticket, shall be entitled to a prize of $\$ 10$.
(l) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either "WINNING NUMBERS" play symbol and a prize symbol of $\$ 5^{.00}$ (FIV DOL) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 5$.
(m) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an H (HEADS)
symbol or a T (TAILS) symbol and a prize symbol of $\$ 5^{.00}$ (FIV DOL) appears in the "Prize" area under that H (HEADS) symbol or T (TAILS) symbol, on a single ticket, shall be entitled to a prize of $\$ 5$.
(n) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either "WINNING NUMBERS" play symbol and a prize symbol of $\$ 22^{.00}$ (TWO DOL) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 2$.
(o) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an H (HEADS) symbol or a T (TAILS) symbol and a prize symbol of $\$ 2^{\circ 00}$ (TWO DOL) appears in the "Prize" area under that H (HEADS) symbol or T (TAILS) symbol, on a single ticket, shall be entitled to a prize of $\$ 2$.
(p) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either "WINNING NUMBERS" play symbol and a prize symbol of $\$ 1^{100}$ (ONE DOL) appears in the "Prize" area under the
matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 1$.
(q) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an H (HEADS) symbol or a T (TAILS) symbol and a prize symbol of $\$ 1^{.00}$ (ONE DOL) appears in the "Prize" area under that H (HEADS) symbol or T (TAILS) symbol, on a single ticket, shall be entitled to a prize of $\$ 1$.
(r) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches either "WINNING NUMBERS" play symbol and a prize symbol of FREE (TICKET) appears in the "Prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of one Heads or Tails instant lottery game ticket or one Pennsylvania Lottery instant game ticket of equivalent sale price which is currently on sale.
8. Number and Description of Prizes and Approximate Odds: The following table sets forth the approximate number of winners, amounts of prizes, and approximate odds of winning:

| When Any Of Your Numbers Match |  |  |
| :--- | :--- | ---: |
| Either Winning Number, Win Prize |  |  |
| Shown Under The Matching Number. |  |  |
| Win With: | Win: | Approximate |
| FREE | OR | Odds Are1 In: |

```
When Any Of Your Numbers Match
Either Winning Number, Win Prize
Shown Under The Matching Number.
Win With:
Win:
\(\$ 10 \times 4\)
    \(\$ 40\)
\((\$ 10 \times 2)+\$ 20\)
\(((\$ 10 \mathrm{w} / \mathrm{HEADS}) \times 2)+((\$ 10 \mathrm{w} /\) TAILS \() \times 2)\)
\(\$ 40\)
( \(\$ 20 \mathrm{w} / \mathrm{HEADS}) \times 2\)
( \(\$ 20 \mathrm{w} /\) TAILS \() \times 2\)
\(\$ 40\)
( \(20 \mathrm{w} /\) TAILS \()\)
\(\$ 40\)
\(\$ 40\) w/ HEADS
\$40
\(\$ 40 \mathrm{w} /\) TAILS
\(\$ 40\)
\(\$ 40\)
\$40
\(\$ 25 \times 4\)
\$100
\((\$ 10 \mathrm{w} / \mathrm{HEADS})+(\$ 10 \mathrm{w} /\) TAILS \()+(\$ 40 \times 2) \quad \$ 100\)
\(((\$ 40 \mathrm{w} / \mathrm{HEADS}) \times 2)+((\$ 10 \mathrm{w} /\) TAILS \() \times 2)\)
\$100
\$100 w/ HEADS
\$100
\(\$ 100 \mathrm{w} / \mathrm{TAILS} \quad \$ 100\)
\(\$ 100 \quad \$ 100\)
\$1,000
\$1,000
```

Approximate
Odds Are1 In:
Approximate No. Of Winners Per 9,600,000 Tickets

| 24,000 | 400 |
| ---: | ---: |
| 48,000 | 200 |
| 8,000 | 1,200 |
| 8,000 | 1,200 |
| 8,000 | 1,200 |
| 8,000 | 1,200 |
| 8,000 | 1,200 |
| 8,000 | 1,200 |
| 48,000 | 200 |
| 960,000 | 10 |
| 960,000 | 10 |
| 960,000 | 10 |
| 960,000 | 10 |
| 960,000 | 10 |
| 960,000 | 10 |

Reveal an "H" (HEADS) symbol or a "T" (TAILS) symbol, win prize shown under either symbol automatically.

Prizes, including top prizes, are subject to availability at the time of purchase.
9. Retailer Incentive Awards: The Lottery may conduct a separate Retailer Incentive Program for retailers who sell Heads or Tails lottery game tickets.
10. Retailer Bonus: The Lottery may offer a retailer bonus in connection with the sale of Pennsylvania instant lottery game tickets. If a retailer bonus is offered, a Lottery retailer shall be eligible for a bonus as described in this section. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least $\$ 100,000$ and not exceeding $\$ 500,000$ shall be paid a bonus of $\$ 500$. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least $\$ 500,001$ and not exceeding $\$ 1,000,000$ shall be paid a bonus of $\$ 5,000$. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least $\$ 1,000,001$ and not exceeding $\$ 10,000,000$ shall be paid a bonus of $\$ 10,000$. A Lottery retailer is entitled only to the largest bonus for which he qualifies on a winning ticket. A bonus will be initiated for payment after the instant ticket is claimed and validated. A bonus will not be awarded to a Lottery retailer that sells a nonwinning Pennsylvania Lottery instant ticket used to enter a Pennsylvania Lottery second-chance drawing or promotion that is subsequently selected to win a prize.
11. Unclaimed Prize Money: For a period of 1 year from the announced close of Heads or Tails, prize money from winning Heads or Tails lottery game tickets will be retained by the Secretary for payment to the persons entitled thereto. If no claim is made within 1 year of the announced close of the Heads or Tails lottery game, the right of a ticket holder to claim the prize represented by the ticket, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided for by statute.
12. Governing Law: In purchasing a ticket, the customer agrees to comply with and abide by the State Lottery Law (72 P.S. §§ 3761-101-3761-314), 61

Pa. Code Part V (relating to State Lotteries) and the provisions contained in this notice.
13. Termination of the Game: The Secretary may announce a termination date, after which no further tickets from this game may be sold. The announcement will be disseminated through media used to advertise or promote Heads or Tails or through normal communications methods.

## C. DANIEL HASSELL,

Secretary
[Pa.B. Doc. No. 17-1486. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Pennsylvania Mummy Money Instant Lottery Game 1303

Under the State Lottery Law (72 P.S. §§ 3761-101-3761-314) and 61 Pa . Code § 819.203 (relating to notice of instant game rules), the Secretary of Revenue hereby provides public notice of the rules for the following instant lottery game:

1. Name: The name of the game is Pennsylvania Mummy Money (hereinafter referred to as "Mummy Money"). The game number is PA-1303.
2. Price: The price of a Mummy Money instant lottery game ticket is $\$ 2$.
3. Play Symbols: Each Mummy Money instant lottery game ticket will contain one play area. The play symbols and their captions, located in the play area are: Spider Web (WEB) symbol, Hat (HAT) symbol, Monster (MONSTR) symbol, Pumpkin (PUMPKIN) symbol, Spooky Eyes (SPKYEYES) symbol, Bat (BAT) symbol, Cauldron (CAULDRN) symbol, Broom (BROOM) symbol, Frog (FROG) symbol, Ghost (GHOST) symbol, Spider (SPIDER) symbol, Candy Corn (CANDY) symbol, Snake (SNAKE) symbol, Tombstone (TMBSTN) symbol, Moon (MOON) symbol, Black Cat (BLKCAT) symbol, Candelabra (CANDLE) symbol, Money (MONEY) symbol and a Mummy (WINALL) symbol.
4. Prize Symbols: The prize symbols and their captions, located in the play area are: $\$ 2^{.00}$ (TWO DOL), $\$ 3^{.00}$ (THR DOL), $\$ 4^{.00}$ (FOR DOL), $\$ 5^{.00}$ (FIV DOL), $\$ 10^{.00}$ (TEN DOL), $\$ 15^{.00}$ (FIFTN), $\$ 20^{.00}$ (TWENTY), $\$ 25^{.00}$ (TWY FIV), $\$ 40^{.00}$ (FORTY), $\$ 50^{.00}$ (FIFTY), $\$ 100$ (ONE HUN), $\$ 200$ (TWO HUN), $\$ 500$ (FIV HUN), $\$ 1,000$ (ONE THO) and \$10,000 (TEN THO).
5. Prizes: The prizes that can be won in this game are: $\$ 2, \$ 3, \$ 4, \$ 5, \$ 10, \$ 15, \$ 20, \$ 25, \$ 40, \$ 50, \$ 100, \$ 200$, $\$ 500, \$ 1,000$ and $\$ 10,000$. The player can win up to 10 times on the ticket.
6. Second-Chance Drawing: The Pennsylvania Lottery will conduct a Monster Cash Second-Chance Drawing for which non-winning Mummy Money instant lottery game tickets may be eligible as provided for in section 10.
7. Approximate Number of Tickets Printed For the Game: Approximately $5,400,000$ tickets will be printed for the Mummy Money instant lottery game.

## 8. Determination of Prize Winners:

(a) Holders of tickets with a Money (MONEY) symbol in the play area and a prize symbol of $\$ 10,000$ (TEN THO) appears in the "prize" area under that Money (MONEY) symbol, on a single ticket, shall be entitled to a prize of $\$ 10,000$.
(b) Holders of tickets with a Money (MONEY) symbol in the play area and a prize symbol of $\$ 1,000$ (ONE THO) appears in the "prize" area under that Money (MONEY) symbol, on a single ticket, shall be entitled to a prize of \$1,000.
(c) Holders of tickets with a Mummy (WINALL) symbol in the play area and a prize symbol of $\$ 100$ (ONE HUN) appears in all ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 1,000$.
(d) Holders of tickets with a Money (MONEY) symbol in the play area and a prize symbol of $\$ 500$ (FIV HUN) appears in the "prize" area under that Money (MONEY) symbol, on a single ticket, shall be entitled to a prize of $\$ 500$.
(e) Holders of tickets with a Mummy (WINALL) symbol in the play area and a prize symbol of $\$ 50^{\circ 00}$ (FIFTY) appears in all ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 500$.
(f) Holders of tickets with a Money (MONEY) symbol in the play area and a prize symbol of $\$ 200$ (TWO HUN) appears in the "prize" area under that Money (MONEY) symbol, on a single ticket, shall be entitled to a prize of $\$ 200$.
(g) Holders of tickets with a Mummy (WINALL) symbol in the play area and a prize symbol of $\$ 25^{\circ 00}$ (TWY FIV) appears in five of the "prize" areas and a prize symbol of $\$ 15^{.00}$ (FIFTN) appears in five of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 200$.
(h) Holders of tickets with a Mummy (WINALL) symbol in the play area and a prize symbol of $\$ 20^{.00}$ (TWENTY) appears in all ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 200$.
(i) Holders of tickets with a Money (MONEY) symbol in the play area and a prize symbol of $\$ 100$ (ONE HUN) appears in the "prize" area under that Money (MONEY) symbol, on a single ticket, shall be entitled to a prize of \$100.
(j) Holders of tickets with a Mummy (WINALL) symbol in the play area and a prize symbol of $\$ 25^{\circ 00}$ (TWY FIV)
appears in two of the "prize" areas, a prize symbol of $\$ 10^{.00}$ (TEN DOL) appears in two of the "prize" areas and a prize symbol of $\$ 5^{\circ 00}$ (FIV DOL) appears in six of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 100$.
(k) Holders of tickets with a Mummy (WINALL) symbol in the play area and a prize symbol of $\$ 15^{.00}$ (FIFTN) appears in five of the "prize" areas and a prize symbol of $\$ 5^{.00}$ (FIV DOL) appears in five of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 100$.
(l) Holders of tickets with a Mummy (WINALL) symbol in the play area and a prize symbol of $\$ 10^{.00}$ (TEN DOL) appears in all ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 100$.
(m) Holders of tickets with a Money (MONEY) symbol in the play area and a prize symbol of $\$ 50^{.00}$ (FIFTY) appears in the "prize" area under that Money (MONEY) symbol, on a single ticket, shall be entitled to a prize of $\$ 50$.
(n) Holders of tickets with a Mummy (WINALL) symbol in the play area and a prize symbol of $\$ 10^{\circ 00}$ (TEN DOL) appears in three of the "prize" areas, a prize symbol of $\$ 5^{.00}$ (FIV DOL) appears in two of the "prize" areas and a prize symbol of $\$ 2^{\circ 00}$ (TWO DOL) appears in five of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 50$.
(o) Holders of tickets with a Mummy (WINALL) symbol in the play area and a prize symbol of $\$ 5^{.00}$ (FIV DOL) appears in all ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 50$.
(p) Holders of tickets with a Money (MONEY) symbol in the play area and a prize symbol of $\$ 40^{\circ 00}$ (FORTY) appears in the "prize" area under that Money (MONEY) symbol, on a single ticket, shall be entitled to a prize of $\$ 40$.
(q) Holders of tickets with a Mummy (WINALL) symbol in the play area and a prize symbol of $\$ 5^{.00}$ (FIV DOL) appears in five of the "prize" areas and a prize symbol of $\$ 3^{.00}$ (THR DOL) appears in five of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 40$.
(r) Holders of tickets with a Mummy (WINALL) symbol in the play area and a prize symbol of $\$ 4^{.00}$ (FOR DOL) appears in all ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 40$.
(s) Holders of tickets with a Money (MONEY) symbol in the play area and a prize symbol of $\$ 25^{.00}$ (TWY FIV) appears in the "prize" area under that Money (MONEY) symbol, on a single ticket, shall be entitled to a prize of $\$ 25$.
(t) Holders of tickets with a Mummy (WINALL) symbol in the play area and a prize symbol of $\$ 3^{\circ 00}$ (THR DOL) appears in five of the "prize" areas and a prize symbol of $\$ 22^{.00}$ (TWO DOL) appears in five of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 25$.
(u) Holders of tickets with a Money (MONEY) symbol in the play area and a prize symbol of $\$ 20^{.00}$ (TWENTY) appears in the "prize" area under that Money (MONEY) symbol, on a single ticket, shall be entitled to a prize of $\$ 20$.
(v) Holders of tickets with a Mummy (WINALL) symbol in the play area and a prize symbol of $\$ 2^{\circ 0}$ (TWO DOL) appears in all ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 20$.
(w) Holders of tickets with a Money (MONEY) symbol in the play area and a prize symbol of $\$ 15^{-00}$ (FIFTN) appears in the "prize" area under that Money (MONEY) symbol, on a single ticket, shall be entitled to a prize of \$15.
(x) Holders of tickets with a Money (MONEY) symbol in the play area and a prize symbol of $\$ 10^{.00}$ (TEN DOL) appears in the "prize" area under that Money (MONEY) symbol, on a single ticket, shall be entitled to a prize of $\$ 10$.
(y) Holders of tickets with a Money (MONEY) symbol in the play area and a prize symbol of $\$ 5^{.00}$ (FIV DOL) appears in the "prize" area under that Money (MONEY) symbol, on a single ticket, shall be entitled to a prize of $\$ 5$.
(z) Holders of tickets with a Money (MONEY) symbol in the play area and a prize symbol of $\$ 4^{.00}$ (FOR DOL)
appears in the "prize" area under that Money (MONEY) symbol, on a single ticket, shall be entitled to a prize of \$4.
(aa) Holders of tickets with a Money (MONEY) symbol in the play area and a prize symbol of $\$ 3.00$ (THR DOL) appears in the "prize" area under that Money (MONEY) symbol, on a single ticket, shall be entitled to a prize of \$3.
(bb) Holders of tickets with a Money (MONEY) symbol in the play area and a prize symbol of $\$ 2^{.00}$ (TWO DOL) appears in the "prize" area under that Money (MONEY) symbol, on a single ticket, shall be entitled to a prize of \$2.
9. Number and Description of Prizes and Approximate Odds: The following table sets forth the approximate number of winners, amounts of prizes, and approximate odds of winning:

| Reveal A "MONEY" (MONEY) |  |  |  |
| :---: | :---: | :---: | :---: |
| Symbol, Win Prize Shown |  |  | Approximate No. |
| Under That Symbol. |  | Approximate | Of Winners Per |
| Win With: | Win: | Odds Are 1 In: | 5,400,000 Tickets |
| \$2 | \$2 | 8.11 | 666,000 |
| \$3 | \$3 | 50 | 108,000 |
| \$2×2 | \$4 | 75 | 72,000 |
| \$4 | \$4 | 150 | 36,000 |
| \$3 + \$2 | \$5 | 150 | 36,000 |
| \$5 | \$5 | 53.57 | 100,800 |
| \$2×5 | \$10 | 375 | 14,400 |
| \$5 $\times 2$ | \$10 | 375 | 14,400 |
| $(\$ 4 \times 2)+\$ 2$ | \$10 | 300 | 18,000 |
| \$10 | \$10 | 750 | 7,200 |
| \$3 $\times 5$ | \$15 | 1,500 | 3,600 |
| \$5 $\times 3$ | \$15 | 750 | 7,200 |
| \$10 + \$5 | \$15 | 1,500 | 3,600 |
| \$15 | \$15 | 1,500 | 3,600 |
| MUMMY w/ (\$2 $\times 10$ ) | \$20 | 250 | 21,600 |
| \$2 $\times 10$ | \$20 | 1,500 | 3,600 |
| \$5 $\times 4$ | \$20 | 1,500 | 3,600 |
| \$10 $\times 2$ | \$20 | 1,500 | 3,600 |
| \$20 | \$20 | 1,500 | 3,600 |
| MUMMY w/ $((\$ 3 \times 5)+(\$ 2 \times 5))$ | \$25 | 500 | 10,800 |
| \$ $5 \times 5$ | \$25 | 1,500 | 3,600 |
| \$25 | \$25 | 1,500 | 3,600 |
| MUMMY w/ (\$4 $\times 10$ ) | \$40 | 1,200 | 4,500 |
| MUMMY w/ ((\$5 $\times 5)+(\$ 3 \times 5))$ | \$40 | 1,200 | 4,500 |
| \$4×10 | \$40 | 6,000 | 900 |
| \$5 $\times 8$ | \$40 | 6,000 | 900 |
| \$10 $\times 4$ | \$40 | 6,000 | 900 |
| \$20 $\times 2$ | \$40 | 6,000 | 900 |
| \$40 | \$40 | 6,000 | 900 |
| MUMMY w/ (\$5 $\times 10$ ) | \$50 | 1,200 | 4,500 |
| MUMMY w/ ((\$10 $\times 3)+(\$ 5 \times 2)+(\$ 2 \times 5))$ | \$50 | 2,400 | 2,250 |
| \$5 $\times 10$ | \$50 | 6,000 | 900 |
| \$10 $\times 5$ | \$50 | 6,000 | 900 |
| \$25 $\times 2$ | \$50 | 6,000 | 900 |
| \$50 | \$50 | 12,000 | 450 |
| MUMMY w/ (\$10 $\times 10$ ) | \$100 | 2,400 | 2,250 |
| MUMMY w/ ((\$15 $\times 5)+(\$ 5 \times 5))$ | \$100 | 2,400 | 2,250 |
| MUMMY w/ $(\$ 25 \times 2)+(\$ 10 \times 2)+(\$ 5 \times 6))$ | \$100 | 2,400 | 2,250 |
| \$20 $\times 5$ | \$100 | 12,000 | 450 |
| \$25 $\times 4$ | \$100 | 12,000 | 450 |
| \$50 $\times 2$ | \$100 | 12,000 | 450 |
| \$100 | \$100 | 12,000 | 450 |
| MUMMY w/ (\$20 $\times 10$ ) | \$200 | 24,000 | 225 |
| MUMMY w/ ((\$25 $\times 5)+(\$ 15 \times 5))$ | \$200 | 24,000 | 225 |
| \$100 $\times 2$ | \$200 | 24,000 | 225 |

Reveal A "MONEY" (MONEY)

| Symbol, Win Prize Shown |  |
| :--- | ---: |
| Under That Symbol. |  |
| Win With: | Win: |
| $\$ 50 \times 4$ | $\$ 200$ |
| $\$ 200$ | $\$ 200$ |
| MUMMY w/ $(\$ 50 \times 10)$ | $\$ 500$ |
| $\$ 50 \times 10$ | $\$ 500$ |
| $\$ 100 \times 5$ | $\$ 500$ |
| $\$ 500$ | $\$ 500$ |
| MUMMY w/ $(\$ 100 \times 10)$ | $\$ 1,000$ |
| $\$ 1,000$ | $\$ 1,000$ |
| $\$ 10,000$ | $\$ 10,000$ |

Reveal a "MUMMY" (WINALL) symbol, win all 10 prizes shown.

Prizes, including top prizes, are subject to availability at the time of purchase.
10. Second-Chance Drawing: Pennsylvania Lottery's Monster Cash Second-Chance Drawing (hereafter, the "Drawing").
(a) Qualifying Tickets: Non-winning PA-1302 FangTastic Fortune (\$5) and PA-1303 Mummy Money (\$2) instant lottery game tickets ("Qualifying Tickets") are eligible for entry in the Drawing.
(b) Participation and Entry:
(1) Entrants must be members of the Pennsylvania Lottery VIP Players Club to participate in the Drawing. To join the VIP Players Club, visit http:// www.palottery.state.pa.us/vipplayersclub/login.aspx. Becoming a VIP Players Club member is free.
(2) To enter the Drawing, entrants must submit the identifying information from at least one Qualifying Ticket via the Drawing's promotional website, available at http://www.palottery.com, or the Pennsylvania Lottery's official mobile application during the entry period. The identifying information from a Qualifying Ticket may be submitted only once in the Drawing. No other method of submission will be accepted, and entries submitted using any other method, including entries mailed or handdelivered to the Pennsylvania Lottery, are not valid and will be disqualified.
(3) Each entry must be complete and the information supplied by the entrant must be accurate. Incomplete entries cannot be accepted.
(4) Only one claimant per entry allowed.
(5) Entrants must be 18 years of age or older.
(6) Players may submit the identifying information from an unlimited number of Qualifying Tickets in the Drawing.
(7) Once an entry has been submitted it cannot be withdrawn or changed.
(c) Drawing Description.
(1) The Lottery will conduct one Monster Cash SecondChance Drawing. All time references are Eastern Prevailing Time.
(i) All entries received after 11:59:59 p.m. September 10, 2017, through 11:59:59 p.m. November 2, 2017, will be entered into the Drawing to be held between November 3, 2017 and November 13, 2017.
(ii) The entry period for the Drawing will be posted to the Pennsylvania Lottery's publicly accessible website.
(2) The number of entries an entrant will receive for the Drawing is determined by the purchase price of the Qualifying Ticket entered. The respective purchase prices and corresponding number of entries for Qualifying Tickets are as follows: PA-1303 Mummy Money (\$2) $=2$ entries; and PA-1302 Fang-Tastic Fortune (\$5) $=5$ entries.
(3) Players may review prizes won and their entries for the Drawing via the Drawing's promotional website.
(d) Prizes Available to be Won, Determination of Winners, and Odds of Winning.
(1) The prize entitlements described below are subject to all restrictions and limitations described in section 10(e), or mentioned anywhere else in these rules.
(2) The Lottery will conduct one Drawing from among all the entries received during the entry period as described in section 10(c).
(3) The first entry selected from the total number of entries awarded in the Drawing will be a winning entry, and the entrant who submitted the winning entry shall be entitled to a prize of $\$ 100,000$.
(4) The second through the eleventh entries selected in the Drawing will be winning entries and the entrants who submitted the winning entries shall be entitled to a prize of $\$ 5,000$.
(5) The number of winning entries to be selected for the Drawing will be posted to the Pennsylvania Lottery's publicly accessible website.
(6) The odds of winning in the Drawing depend upon the number of entries received for the Drawing.
(7) A computer-generated randomizer will be used to select the Drawing winners.
(8) All prizes will be paid as one-time, lump-sum cash payments, less appropriate state and federal income tax withholding.

## (e) Drawing Restrictions.

(1) To be eligible to participate in the Drawing, entrants must have complied with the requirements of these rules.
(2) The Lottery is not responsible for late, lost or misdirected entries not entered into the Drawing. The Lottery is not responsible for entries that are not entered into the Drawing because of incompatible internet browsers, mobile lottery application failure or other technical issues. If an entry is selected as a winner and rejected or otherwise disqualified during or following the Drawing, the Lottery will select another entry to replace the
rejected or otherwise disqualified entry in accordance with these rules and Lottery procedure.
(3) If any discrepancy exists between these rules and any material describing the Drawing, these rules shall govern.
(4) Employees of the Pennsylvania Lottery, MARC Advertising, Scientific Games International Inc., MDI Entertainment, LLC, and their subcontractors, or a spouse, child, brother, sister or parent residing as a member of the same household in the principle place of residence of any such person are not eligible to participate in the Drawing. Offer void where prohibited or restricted.
(5) The Pennsylvania Lottery reserves the right, in its sole discretion, to cancel or suspend the Drawing and change these rules if the Drawing cannot be conducted as planned due to errors in these rules or advertising, unauthorized intervention, tampering, fraud, technical errors, viruses, worms, bugs, or any other cause beyond the control of the Pennsylvania Lottery that, in the Pennsylvania Lottery's sole judgment, could corrupt or impair the administration, security, fairness, integrity, or proper conduct of the Drawing.
(6) All entries shall be subject to verification by the Pennsylvania Lottery.
(7) The Pennsylvania Lottery reserves the right, in its sole discretion, to disqualify an entrant found to be tampering with the operation of the Drawing or to be acting in violation of these rules or applicable law.
(8) The Drawing is governed by the laws of the Commonwealth of Pennsylvania. Applicable laws and regulations apply.
(9) Prizes must be claimed within one year of the drawing date of the drawing in which the prize was won. If no claim is made within one year of the drawing date of the drawing in which the prize was won, the right of an entrant to claim the prize won, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided by statute.
(10) Final determination of winners will be made by the Secretary, whose judgment will be final and binding.
(11) A prize awarded in the Drawing to a person who dies before receiving the prize shall be paid according to 61 Pa . Code § 811.16 (relating to prizes payable after death of a prize winner).
(12) A winner is responsible for all taxes arising from or in connection with any prize won.
(13) A player may only win the prize for which the player is first selected in the Drawing. Subsequent entries, from the same individual, selected in the Drawing will be disqualified and a replacement entry will be selected.
(14) Prizes are not transferrable.
(15) Other restrictions may apply.
11. Retailer Incentive Awards: The Lottery may conduct a separate Retailer Incentive Program for retailers who sell Mummy Money instant lottery game tickets.
12. Retailer Bonus: The Lottery may offer a retailer bonus in connection with the sale of Pennsylvania instant lottery game tickets. If a retailer bonus is offered, a Lottery retailer shall be eligible for a bonus as described in this section. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least $\$ 100,000$ and not exceeding $\$ 500,000$
shall be paid a bonus of $\$ 500$. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least $\$ 500,001$ and not exceeding $\$ 1,000,000$ shall be paid a bonus of $\$ 5,000$. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least $\$ 1,000,001$ and not exceeding $\$ 10,000,000$ shall be paid a bonus of $\$ 10,000$. A Lottery retailer is entitled only to the largest bonus for which he qualifies on a winning ticket. A bonus will be initiated for payment after the instant ticket is claimed and validated. A bonus will not be awarded to a Lottery retailer that sells a nonwinning Pennsylvania Lottery instant ticket used to enter a Pennsylvania Lottery second-chance drawing or promotion that is subsequently selected to win a prize.
13. Unclaimed Prize Money: For a period of 1 year from the announced close of Mummy Money, prize money from winning Mummy Money instant lottery game tickets will be retained by the Secretary for payment to the persons entitled thereto. If no claim is made within 1 year of the announced close of the Mummy Money instant lottery game, the right of a ticket holder to claim the prize represented by the ticket, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided for by statute.
14. Governing Law: In purchasing a ticket, the customer agrees to comply with and abide by the State Lottery Law (72 P.S. §§ 3761-101-3761-314), 61 Pa. Code Part V (relating to State Lotteries) and the provisions contained in this notice.
15. Termination of the Game: The Secretary may announce a termination date, after which no further tickets from this game may be sold. The announcement will be disseminated through media used to advertise or promote Mummy Money or through normal communications methods.
C. DANIEL HASSELL,

Secretary
[Pa.B. Doc. No. 17-1487. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Pennsylvania WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\text {TM }}$ Instant Lottery Game 1300

Under the State Lottery Law (72 P.S. §§ 3761-101-3761-314) and 61 Pa . Code § 819.203 (relating to notice of instant game rules), the Secretary of Revenue hereby provides public notice of the rules for the following instant lottery game:

1. Name: The name of the game is Pennsylvania WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\mathrm{TM}}$ (hereinafter referred to as "WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\text {TM" }}$ ). The game number is PA1300.
2. Price: The price of a WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\text {TM }}$ instant lottery game ticket is $\$ 10$.
3. Play Symbols: Each WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\text {TM }}$ instant lottery game ticket will contain one play area featuring a "WINNING NUMBERS" area and a "YOUR NUMBERS" area. The play symbols and their captions printed in violet ink and
located in the "WINNING NUMBERS" area are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN), 20 (TWENT), 21 (TWYONE), 22 (TWYTWO), 23 (TWYTHR), 24 (TWYFOR), 25 (TWYFIV), 26 (TWYSIX), 27 (TWYSVN), 28 (TWYEGT), 29 (TWYNIN), 30 (THIRTY), 31 (THYONE), 32 (THYTWO), 33 (THYTHR), 34 (THYFOR), 35 (THYFIV), 36 (THYSIX), 37 (THYSVN), 38 (THYEGT), 39 (THYNIN) and 40 (FORTY). The play symbols and their captions printed in black ink and located in the "WINNING NUMBERS" area are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN), 20 (TWENT), 21 (TWYONE), 22 (TWYTWO), 23 (TWYTHR), 24 (TWYFOR), 25 (TWYFIV), 26 (TWYSIX), 27 (TWYSVN), 28 (TWYEGT), 29 (TWYNIN), 30 (THIRTY), 31 (THYONE), 32 (THYTWO), 33 (THYTHR), 34 (THYFOR), 35 (THYFIV), 36 (THYSIX), 37 (THYSVN), 38 (THYEGT), 39 (THYNIN) and 40 (FORTY). The play symbols and their captions printed in violet ink and located in the "YOUR NUMBERS" area are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN), 20 (TWENT), 21 (TWYONE), 22 (TWYTWO), 23 (TWYTHR), 24 (TWYFOR), 25 (TWYFIV), 26 (TWYSIX), 27 (TWYSVN), 28 (TWYEGT), 29 (TWYNIN), 30 (THIRTY), 31 (THYONE), 32 (THYTWO), 33 (THYTHR), 34 (THYFOR), 35 (THYFIV), 36 (THYSIX), 37 (THYSVN), 38 (THYEGT), 39 (THYNIN) and 40 (FORTY). The play symbols and their captions printed in black ink and located in the "YOUR NUMBERS" area are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 10 (TEN), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN), 20 (TWENT), 21 (TWYONE), 22 (TWYTWO), 23 (TWYTHR), 24 (TWYFOR), 25 (TWYFIV), 26 (TWYSIX), 27 (TWYSVN), 28 (TWYEGT), 29 (TWYNIN), 30 (THIRTY), 31 (THYONE), 32 (THYTWO), 33 (THYTHR), 34 (THYFOR), 35 (THYFIV), 36 (THYSIX), 37 (THYSVN), 38 (THYEGT), 39 (THYNIN), 40 (FORTY), an EVERLASTING GOBSTOPPER ${ }^{\text {TM }}$ (WINALL) symbol and a TICKET (WN300K) symbol.
4. Prize Symbols: The prize symbols and their captions located in the "YOUR NUMBERS" area are: $\$ 10^{.00}$ (TEN DOL), $\$ 15^{.00}$ (FIFTNDOL), $\$ 20^{.00}$ (TWENTY), $\$ 25^{.00}$ (TWY FIV), $\$ 30^{.00}$ (THRTY), $\$ 40^{.00}$ (FRTY), $\$ 50^{.00}$ (FIFTY), \$100 (ONE HUN), \$150 (ONEHUNFTY), \$200 (TWO HUN), $\$ 400$ (FOR HUN), $\$ 500$ (FIV HUN), $\$ 1,000$ (ONE THO), $\$ 10,000$ (TEN THO) and $\$ 300,000$ (THRHUNTHO).
5. Prizes: The prizes that can be won in this game are: $\$ 10, \$ 15, \$ 20, \$ 25, \$ 30, \$ 40, \$ 50, \$ 100, \$ 150, \$ 200, \$ 400$, $\$ 500, \$ 1,000, \$ 10,000$ and $\$ 300,000$. A player can win up to 15 times on a ticket.
6. Second-Chance Drawing: The Pennsylvania Lottery will conduct a Second-Chance Drawing for WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\text {TM }}$ for which non-winning WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\mathrm{TM}}$ instant lottery game tickets may be eligible as provided in section 10.
7. Approximate Number of Tickets Printed For the Game: Approximately 8,400,000 tickets will be printed
for the WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\mathrm{TM}}$ instant lottery game.
8. Determination of Prize Winners:
(a) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols, with the symbol and the caption printed in black ink, is a TICKET (WN300K) symbol and a prize symbol of $\$ 300,000$ (THRHUNTHO) appears in the "prize" area under that TICKET (WN300K) symbol, on a single ticket, shall be entitled to a prize of $\$ 300,000$.
(b) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols, with the symbol and the caption printed in black ink, matches any of the "WINNING NUMBERS" play symbols, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 10,000$ (TEN THO) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 10,000$.
(c) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an EVERLASTING GOBSTOPPER ${ }^{\text {TM }}$ (WINALL) symbol, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 1,000$ (ONE THO) appears in five of the "prize" areas and a prize symbol of $\$ 500$ (FIV HUN) appears in ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 10,000$.
(d) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols, with the symbol and the caption printed in black ink, matches any of the "WINNING NUMBERS" play symbols, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 1,000$ (ONE THO) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 1,000$.
(e) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an EVERLASTING GOBSTOPPER ${ }^{\text {TM }}$ (WINALL) symbol, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 150$ (ONEHUNFTY) appears in five of the "prize" areas and a prize symbol of $\$ 25^{.00}$ (TWY FIV) appears in ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 1,000$.
(f) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an EVERLASTING GOBSTOPPER $^{\text {TM }}$ (WINALL) symbol, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 100$ (ONE HUN) appears in five of the "prize" areas and a prize symbol of $\$ 50^{.00}$ (FIFTY) appears in ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 1,000$.
(g) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols, with the symbol and the caption printed in black ink, matches any of the "WINNING NUMBERS" play symbols, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 500$ (FIV HUN) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 500$.
(h) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols, with either the "YOUR NUMBERS" or the "WINNING NUMBERS" play symbol and caption printed in violet ink, and a prize symbol of $\$ 100$ (ONE HUN) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 500$.
(i) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an EVERLASTING GOBSTOPPER ${ }^{\text {TM }}$ (WINALL) symbol, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 100$ (ONE HUN) appears in three of the "prize" areas, a prize symbol of $\$ 50^{\circ 00}$ (FIFTY) appears in two of the "prize" areas and a prize symbol of $\$ 10^{.00}$ (TEN DOL) appears in ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 500$.
(j) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an EVERLASTING GOBSTOPPER ${ }^{\text {TM }}$ (WINALL) symbol, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 50^{.00}$ (FIFTY) appears in five of the "prize" areas and a prize symbol of $\$ 25^{.00}$ (TWY FIV) appears in ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 500$.
(k) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an EVERLASTING GOBSTOPPER ${ }^{\text {TM }}$ (WINALL) symbol, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 40^{.00}$ (FRTY) appears in ten of the "prize" areas and a prize symbol of $\$ 20^{\circ 00}$ (TWENTY) appears in five of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 500$.
(l) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols, with the symbol and the caption printed in black ink, matches any of the "WINNING NUMBERS" play symbols, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 400$ (FOR HUN) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 400$.
(m) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an EVERLASTING GOBSTOPPER ${ }^{\text {TM }}$ (WINALL) symbol, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 50^{.00}$ (FIFTY) appears in five of the "prize" areas, a prize symbol of $\$ 20^{\circ 00}$ (TWENTY) appears in five of the "prize" areas and a prize symbol of $\$ 10^{.00}$ (TEN DOL) appears in five of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 400$.
(n) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an EVERLASTING GOBSTOPPER ${ }^{T M}$ (WINALL) symbol, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 50^{.00}$ (FIFTY) appears in five of the "prize" areas and a prize symbol of $\$ 15^{.00}$ (FIFTNDOL) appears in ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 400$.
(o) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an EVERLASTING GOBSTOPPER ${ }^{T M}$ (WINALL) symbol, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 40^{.00}$ (FRTY) appears in five of the "prize" areas and a prize symbol of $\$ 20^{\circ 0}$ (TWENTY) appears in ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 400$.
(p) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols, with either the "YOUR NUMBERS" or the "WINNING NUMBERS" play symbol and caption printed in violet ink, and a prize symbol of $\$ 50^{.00}$ (FIFTY) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 250$.
(q) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols, with the symbol and the caption printed in black ink, matches any of the "WINNING NUMBERS" play symbols, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 200$ (TWO HUN) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 200$.
(r) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols, with either the "YOUR NUMBERS" or the "WINNING NUMBERS" play symbol and caption printed in violet ink, and a prize symbol of $\$ 40^{.00}$ (FRTY) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 200$.
(s) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an EVERLASTING GOBSTOPPER ${ }^{\text {TM }}$ (WINALL) symbol, with the play symbol and the caption printed in black ink, and a prize symbol of $\$ 20^{.00}$ (TWENTY) appears in five of the "prize" areas and a prize symbol of $\$ 10^{\circ 00}$ (TEN DOL) appears in ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 200$.
(t) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an EVERLASTING GOBSTOPPER ${ }^{\text {TM }}$ (WINALL) symbol, with the play symbol and the caption printed in black ink, and a prize symbol of $\$ 15^{.00}$ (FIFTNDOL) appears in ten of the "prize" areas, and a prize symbol of $\$ 10^{.00}$ (TEN DOL) appears in five of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 200$.
(u) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols, with the symbol and the caption printed in black ink, matches any of the "WINNING NUMBERS" play symbols, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 150$ (ONEHUNFTY) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 150$.
(v) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols, with either the "YOUR NUMBERS" or the "WINNING NUMBERS" play symbol and caption printed in violet ink, and a prize symbol of $\$ 30^{.00}$ (THRTY) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 150$.
(w) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is an EVERLASTING GOBSTOPPER ${ }^{\text {TM }}$ (WINALL) symbol, with the play symbol and the caption printed in black ink, and a prize symbol of $\$ 10^{\circ 00}$ (TEN DOL) appears in all fifteen of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 150$.
(x) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols, with the symbol and the caption printed in black ink, matches any of the "WINNING NUMBERS" play symbols, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 100$ (ONE HUN) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 100$.
(y) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the
"WINNING NUMBERS" play symbols, with either the "YOUR NUMBERS" or the "WINNING NUMBERS" play symbol and caption printed in violet ink, and a prize symbol of $\$ 20^{\circ 00}$ (TWENTY) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 100$.
(z) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols, with the symbol and the caption printed in black ink, matches any of the "WINNING NUMBERS" play symbols, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 50^{\circ 00}$ (FIFTY) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 50$.
(aa) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols, with either the "YOUR NUMBERS" or the "WINNING NUMBERS" play symbol and caption printed in violet ink, and a prize symbol of $\$ 10^{.00}$ (TEN DOL) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 50$.
(bb) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols, with the symbol and the caption printed in black ink, matches any of the "WINNING NUMBERS" play symbols, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 40^{\circ 00}$ (FRTY) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 40$.
(cc) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols, with the symbol and the caption printed in black ink, matches any of the "WINNING NUMBERS" play symbols, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 30^{\circ 00}$ (THRTY) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 30$.

[^14](dd) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols, with the symbol and the caption printed in black ink, matches any of the "WINNING NUMBERS" play symbols, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 25^{.00}$ (TWY FIV) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 25$.
(ee) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols, with the symbol and the caption printed in black ink, matches any of the "WINNING NUMBERS" play symbols, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 20^{.00}$ (TWENTY) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 20$.
(ff) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols, with the symbol and the caption printed in black ink, matches any of the "WINNING NUMBERS" play symbols, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 15^{\circ 00}$ (FIFTNDOL) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 15$.
(gg) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols, with the symbol and the caption printed in black ink, matches any of the "WINNING NUMBERS" play symbols, with the symbol and the caption printed in black ink, and a prize symbol of $\$ 10^{.00}$ (TEN DOL) appears in the "prize' area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 10$.
9. Number and Description of Prizes and Approximate Odds: The following table sets forth the approximate number of winners, amounts of prizes, and approximate odds of winning:

|  |  | Approximate No. <br> Of Winners Per |
| ---: | :---: | ---: |
| Win: | Odds Are 1 In: | $8,400,000$ Tickets: |
| $\$ 10$ | 6.67 | $1,260,000$ |
| $\$ 15$ | 30 | 280,000 |
| $\$ 20$ | 40 | 210,000 |
| $\$ 20$ | 60 | 140,000 |
| $\$ 25$ | 300 | 28,000 |
| $\$ 25$ | 300 | 28,000 |
| $\$ 30$ | 200 | 42,000 |
| $\$ 30$ | 200 | 42,000 |
| $\$ 30$ | 100 | 84,000 |
| $\$ 40$ | 600 | 14,000 |
| $\$ 40$ | 300 | 28,000 |
| $\$ 40$ | 600 | 14,000 |
| $\$ 40$ | 600 | 14,000 |
| $\$ 40$ | 600 | 14,000 |
| $\$ 50$ | 150 | 56,000 |
| $\$ 50$ | 200 | 42,000 |
| $\$ 50$ | 300 | 28,000 |
| $\$ 50$ | 600 | 14,000 |
| $\$ 100$ | 600 | 14,000 |
| $\$ 100$ | 300 | 28,000 |
| $\$ 100$ | 300 | 28,000 |


| When Any Of Your Numbers Match |  |  |  |
| :---: | :---: | :---: | :---: |
| Any Winning Number, Win Prize |  |  | Approximate No. |
| Shown Under The Matching Number. |  | Approximate | Of Winners Per |
| Win With: | Win: | Odds Are 1 In: | 8,400,000 Tickets: |
| \$100 | \$100 | 600 | 14,000 |
| EVERLASTING GOBSTOPPER ${ }^{\text {TM }} \mathrm{w} /(\$ 10 \times 15)$ | \$150 | 1,200 | 7,000 |
| \$15 $\times 10$ | \$150 | 2,400 | 3,500 |
| \$50 $\times 3$ | \$150 | 2,400 | 3,500 |
| (\$10 w/ VIOLET MATCH) $\times 3$ | \$150 | 6,000 | 1,400 |
| \$30 w/ VIOLET MATCH | \$150 | 1,200 | 7,000 |
| \$150 | \$150 | 6,000 | 1,400 |
| $\begin{aligned} & \text { EVERLASTING GOBSTOPPER }{ }^{\mathrm{TM}} \mathrm{w} /((\$ 15 \times 10) \\ & +(\$ 10 \times 5)) \end{aligned}$ | \$200 | 6,000 | 1,400 |
| EVERLASTING GOBSTOPPER ${ }^{\text {TM }} \mathrm{w} /((\$ 20 \times 5)+$ ( $\$ 10 \times 10$ )) | \$200 | 6,000 | 1,400 |
| \$20 $\times 10$ | \$200 | 12,000 | 700 |
| \$100 $\times 2$ | \$200 | 12,000 | 700 |
| (\$20 w/ VIOLET MATCH) $\times 2$ | \$200 | 12,000 | 700 |
| \$40 w/ VIOLET MATCH | \$200 | 12,000 | 700 |
| \$200 | \$200 | 12,000 | 700 |
| EVERLASTING GOBSTOPPER ${ }^{\text {TM }} \mathrm{w} /((\$ 40 \times 5)+$ ( $\$ 20 \times 10$ )) | \$400 | 12,000 | 700 |
| EVERLASTING GOBSTOPPER ${ }^{\mathrm{TM}} \mathrm{w} /((\$ 50 \times 5)+$ (\$15 × 10)) | \$400 | 12,000 | 700 |
| EVERLASTING GOBSTOPPER ${ }^{\text {TM }} \mathrm{w} /((\$ 50 \times 5)+$ $(\$ 20 \times 5)+(\$ 10 \times 5))$ | \$400 | 24,000 | 350 |
| \$40 $\times 10$ | \$400 | 24,000 | 350 |
| \$100 $\times 4$ | \$400 | 24,000 | 350 |
| $(\$ 20 \mathrm{w} / \mathrm{VIOLET}$ MATCH) $\times 4$ | \$400 | 24,000 | 350 |
| ( $\$ 40 \mathrm{w} / \mathrm{VIOLET}$ MATCH) $\times 2$ | \$400 | 24,000 | 350 |
| \$400 | \$400 | 24,000 | 350 |
| $\begin{aligned} & \text { EVERLASTING GOBSTOPPER }{ }^{\mathrm{TM}} \mathrm{w} /((\$ 40 \times 10) \\ & +(\$ 20 \times 5)) \end{aligned}$ | \$500 | 24,000 | 350 |
| EVERLASTING GOBSTOPPER ${ }^{\text {TM }} \mathrm{w} /((\$ 50 \times 5)+$ ( $\$ 25 \times 10$ )) | \$500 | 24,000 | 350 |
| EVERLASTING GOBSTOPPER $+(\$ 50 \times 2)+(\$ 10 \times 10))$ | \$500 | 30,000 | 280 |
| \$50 $\times 10$ | \$500 | 30,000 | 280 |
| $(\$ 20 \mathrm{w} / \mathrm{VIOLET}$ MATCH) $+(\$ 40 \times 10)$ | \$500 | 30,000 | 280 |
| \$100 w/ VIOLET MATCH | \$500 | 30,000 | 280 |
| \$500 | \$500 | 30,000 | 280 |
| $\begin{aligned} & \text { EVERLASTING GOBSTOPPER }{ }^{\text {TM }} \mathrm{w} /((\$ 100 \times 5) \\ & \quad+(\$ 50 \times 10)) \end{aligned}$ | \$1,000 | 40,000 | 210 |
| $\begin{aligned} & \text { EVERLASTING GOBSTOPPER }{ }^{\text {TM }} \mathrm{w} /((\$ 150 \times 5) \\ & +(\$ 25 \times 10)) \end{aligned}$ | \$1,000 | 120,000 | 70 |
| \$100 $\times 10$ | \$1,000 | 120,000 | 70 |
| \$200 $\times 5$ | \$1,000 | 120,000 | 70 |
| $(\$ 50 \mathrm{w} / \mathrm{VIOLET} \mathrm{MATCH}) \times 4$ | \$1,000 | 120,000 | 70 |
| \$1,000 | \$1,000 | 120,000 | 70 |
| EVERLASTING GOBSTOPPER ${ }^{\mathrm{TM}} \mathrm{w} /((\$ 1,000 \times$ $5)+(\$ 500 \times 10))$ | \$10,000 | 840,000 | 10 |
| \$1,000 $\times 10$ | \$10,000 | 840,000 | 10 |
| \$10,000 | \$10,000 | 840,000 | 10 |
| \$300,000 w/ TICKET | \$300,000 | 840,000 | 10 |

When one of the matching numbers is VIOLET, win 5 times the prize shown under the matching number.

Reveal a "TICKET" (WN300K) symbol, win \$300,000 instantly!

Prizes, including top prizes, are subject to availability at the time of purchase.
10. Second-Chance Drawing: Pennsylvania Lottery's Second-Chance Drawing for WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\text {TM }}$ hereafter, the "Drawing").
(a) Qualifying Tickets: Non-winning PA-1300 WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\text {TM }}$ (\$10) instant lottery game tickets ("Qualifying Tickets") are eligible for entry in the Drawing.
(b) Participation and Entry:
(1) Entrants must be members of the Pennsylvania Lottery VIP Players Club to participate in the Drawing. To join the VIP Players Club, visit http://www.palottery. state.pa.us/vipplayersclub/login.aspx. Becoming a VIP Players Club member is free.
(2) To enter the Drawing, entrants must submit the identifying information from at least one Qualifying Ticket via the Drawing's promotional website, available at http://www.palottery.com, or the Pennsylvania Lottery's official mobile application during the entry period. The identifying information from a Qualifying Ticket may be submitted only once in the Drawing. No other method of submission will be accepted, and entries submitted using any other method, including entries mailed or handdelivered to the Pennsylvania Lottery, are not valid and will be disqualified.
(3) Each entry must be complete and the information supplied by the entrant must be accurate. Incomplete entries cannot be accepted.
(4) Only one claimant per entry allowed.
(5) Entrants must be 18 years of age or older.
(6) Players may submit the identifying information from an unlimited number of Qualifying Tickets in the Drawing.
(7) Once an entry has been submitted it cannot be withdrawn or changed.
(c) Drawing Description.
(1) The Lottery will conduct one Second-Chance Drawing for WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\mathrm{TM}}$. All time references are Eastern Prevailing Time.
(2) All entries received after 11:59:59 p.m. September 10, 2017, through 11:59:59 p.m. December 14, 2017, will
be entered into the Drawing to be held between December 15, 2017 and December 26, 2017.
(3) The entry period for the Drawing will be posted to the Pennsylvania Lottery's publicly accessible website.
(4) By entering a Qualifying Ticket, each entrant will have the opportunity to view an animated reveal sequence. This animated reveal sequence may award a predetermined instant cash prize, or a predetermined prize that multiplies the number of entries the entrant receives for the ticket submitted (hereafter the "Entry Doubler Prize"). Each Qualifying Ticket will have a predetermined ticket file assigned at the time the ticket is printed that will determine the outcome of the animated reveal.
(5) The number of entries an entrant will receive for the Drawing is determined by the purchase price of the Qualifying Ticket entered and the Entry Doubler Prize, if applicable. The respective purchase price and corresponding number of entries for the Qualifying Ticket is as follows: PA-1300 WILLY WONKA \& THE CHOCOLATE $\operatorname{FACTORY}^{\mathrm{TM}}(\$ 10)=10$ entries.
(6) Players may review prizes won and their entries for the Drawing via the Drawing's promotional website.
(d) Prizes Available to be Won, Determination of Winners, and Odds of Winning.
(1) The prize entitlements described below are subject to all restrictions and limitations described in section 10(e), or mentioned anywhere else in these rules.
(2) When the predetermined ticket file for a Qualifying Ticket entered in the Drawing indicates that the animated reveal sequence shall not result in an instant cash prize or an Entry Doubler Prize, the animated sequence will show the player receiving the number of entries that were assigned to the Qualifying Ticket entered for the Drawing.
(3) When the predetermined ticket file for a Qualifying Ticket entered in the Drawing indicates that the animated reveal sequence shall result in an award of an instant cash prize, the animated sequence will show the player winning an instant cash prize and receiving the number of entries that were assigned to the Qualifying Ticket entered for the Drawing. The following tables set forth the approximate number of cash prize winners for each cash prize, and the approximate odds of winning a cash prize:

Approximate Number of Winners Based on 100\% of Eligible Qualifying Tickets:

| $\$ 25$ Prize | $\$ 50$ Prize | $\$ 100$ Prize |
| :---: | :---: | :---: |
| 9,903 | 16,976 | 7,427 |
|  | Approximate Odds of Winning An Instant Prize are 1 in: |  |
| $\$ 25$ Prize | $\$ 50$ Prize | $\$ 100$ Prize |
| 600 | 350 | 800 |

(4) When the predetermined ticket file for a Qualifying Ticket entered in the Drawing indicates that the animated reveal sequence shall result in an award of an Entry Doubler Prize, the animated sequence will show the player winning the Entry Doubler Prize and receiving two (2) times the number of entries that were assigned to the Qualifying Ticket entered for the Drawing. The following table sets forth the approximate number of Entry Doubler Prizes and the approximate odds of winning an Entry Doubler Prize:

> Approximate
> Number of Entry
> Doubler Winners $1,485,425$
(5) The Lottery will conduct one Drawing from among all the entries received during the entry period as described in section 10(c). The first entry selected in the Drawing will a winning entry and the entrant who submitted the winning entry shall be entitled to a prize of
$\$ 100,000$, less required income tax withholding. All prizes will be paid as a lump-sum cash payment.
(6) The number of winning entries to be selected for the Drawing will be posted to the Pennsylvania Lottery's publicly accessible website.
(7) The odds of winning in the Drawing depend upon the number of entries received for the Drawing.
(8) A computer-generated randomizer will be used to select the Drawing winners.
(e) Drawing Restrictions.
(1) To be eligible to participate in the Drawing, entrants must have complied with the requirements of these rules.
(2) The Lottery is not responsible for late, lost or misdirected entries not entered into the Drawing. The Lottery is not responsible for entries that are not entered into the Drawing because of incompatible internet browsers, mobile lottery application failure or other technical issues. If an entry is selected as a winner and rejected or otherwise disqualified during or following the Drawing, the Lottery will select another entry to replace the rejected or otherwise disqualified entry in accordance with these rules and Lottery procedure.
(3) If any discrepancy exists between these rules and any material describing the Drawing, these rules shall govern.
(4) Employees of the Pennsylvania Lottery, MARC Advertising, Scientific Games International Inc., MDI Entertainment, LLC, and their subcontractors, or a spouse, child, brother, sister or parent residing as a member of the same household in the principle place of residence of any such person are not eligible to participate in the Drawing. Offer void where prohibited or restricted.
(5) The Pennsylvania Lottery reserves the right, in its sole discretion, to cancel or suspend the Drawing and change these rules if the Drawing cannot be conducted as planned due to errors in these rules or advertising, unauthorized intervention, tampering, fraud, technical errors, viruses, worms, bugs, or any other cause beyond the control of the Pennsylvania Lottery that, in the Pennsylvania Lottery's sole judgment, could corrupt or impair the administration, security, fairness, integrity, or proper conduct of the Drawing.
(6) All entries shall be subject to verification by the Pennsylvania Lottery.
(7) The Pennsylvania Lottery reserves the right, in its sole discretion, to disqualify an entrant found to be tampering with the operation of the Drawing or to be acting in violation of these rules or applicable law.
(8) The Drawing is governed by the laws of the Commonwealth of Pennsylvania. Applicable laws and regulations apply.
(9) Prizes must be claimed within one year of the drawing date of the drawing in which the prize was won. If no claim is made within one year of the drawing date of the drawing in which the prize was won, the right of an entrant to claim the prize won, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided by statute.
(10) Final determination of winners will be made by the Secretary, whose judgment will be final and binding.
(11) A prize awarded in the Drawing to a person who dies before receiving the prize shall be paid according to 61 Pa . Code $\S 811.16$ (relating to prizes payable after death of a prize winner).
(12) A winner is responsible for all taxes arising from or in connection with any prize won.
(13) A player may only win the prize for which the player is first selected in the Drawing. Subsequent entries, from the same individual, selected in the Drawing will be disqualified and a replacement entry will be selected.
(14) Prizes are not transferrable.
(15) Other restrictions may apply.
11. Retailer Incentive Awards: The Lottery may conduct a separate Retailer Incentive Program for retailers who sell WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\mathrm{TM}}$ instant lottery game tickets.
12. Retailer Bonus: The Lottery may offer a retailer bonus in connection with the sale of Pennsylvania instant lottery game tickets. If a retailer bonus is offered, a Lottery retailer shall be eligible for a bonus as described in this section. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least $\$ 100,000$ and not exceeding $\$ 500,000$ shall be paid a bonus of $\$ 500$. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least $\$ 500,001$ and not exceeding $\$ 1,000,000$ shall be paid a bonus of $\$ 5,000$. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least $\$ 1,000,001$ and not exceeding $\$ 10,000,000$ shall be paid a bonus of $\$ 10,000$. A Lottery retailer is entitled only to the largest bonus for which he qualifies on a winning ticket. A bonus will be initiated for payment after the instant ticket is claimed and validated. A bonus will not be awarded to a Lottery retailer that sells a nonwinning Pennsylvania Lottery instant ticket used to enter a Pennsylvania Lottery second-chance drawing or promotion that is subsequently selected to win a prize.
13. Unclaimed Prize Money: For a period of 1 year from the announced close of WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\text {TM }}$, prize money from winning WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\mathrm{TM}}$ instant lottery game tickets will be retained by the Secretary for payment to the persons entitled thereto. If no claim is made within 1 year of the announced close of the WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\mathrm{TM}}$ instant lottery game, the right of a ticket holder to claim the prize represented by the ticket, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided for by statute.
14. Governing Law: In purchasing a ticket, the customer agrees to comply with and abide by the State Lottery Law (72 P.S. §§ 3761-101-3761-314), 61 Pa. Code Part V (relating to State Lotteries) and the provisions contained in this notice.
15. Termination of the Game: The Secretary may announce a termination date, after which no further tickets from this game may be sold. The announcement will be disseminated through media used to advertise or promote WILLY WONKA \& THE CHOCOLATE FACTORY ${ }^{\text {TM }}$ or through normal communications methods.

## C. DANIEL HASSELL,

Secretary
[Pa.B. Doc. No. 17-1488. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Pennsylvania Winning Vault Instant Lottery Game 1301

Under the State Lottery Law (72 P.S. §§ 3761-101-$3761-314)$ and 61 Pa . Code § 819.203 (relating to notice of instant game rules), the Secretary of Revenue hereby provides public notice of the rules for the following instant lottery game:

1. Name: The name of the game is Pennsylvania Winning Vault (hereinafter referred to as "Winning Vault"). The game number is PA-1301.
2. Price: The price of a Winning Vault instant lottery game ticket is $\$ 5$.
3. Play Symbols: Each Winning Vault instant lottery game ticket will contain one play area featuring a "WINNING NUMBERS" area and a "YOUR NUMBERS" area. The play symbols and their captions located in the "WINNING NUMBERS" area are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN), 20 (TWENT), 21 (TWYONE), 22 (TWYTWO), 23 (TWYTHR), 24 (TWYFOR), 25 (TWYFIV), 26 (TWYSIX), 27 (TWYSVN), 28 (TWYEGT), 29 (TWYNIN) and 30 (THIRTY). The play symbols and their captions located in the "YOUR NUMBERS" area are: 1 (ONE), 2 (TWO), 3 (THREE), 4 (FOUR), 5 (FIVE), 6 (SIX), 7 (SEVEN), 8 (EIGHT), 9 (NINE), 11 (ELEVN), 12 (TWLV), 13 (THRTN), 14 (FORTN), 15 (FIFTN), 16 (SIXTN), 17 (SVNTN), 18 (EGHTN), 19 (NINTN), 20 (TWENT), 21 (TWYONE), 22 (TWYTWO), 23 (TWYTHR), 24 (TWYFOR), 25 (TWYFIV), 26 (TWYSIX), 27 (TWYSVN), 28 (TWYEGT), 29 (TWYNIN), 30 (THIRTY), 10X (10TIMES) symbol and a Vault (WINALL) symbol.
4. Prize Symbols: The prize symbols and their captions located in the "YOUR NUMBERS" area are: $\$ 5^{.00}$ (FIV DOL), $\$ 10^{.00}$ (TEN DOL), $\$ 20^{.00}$ (TWENTY), $\$ 40^{.00}$ (FORTY), $\$ 50^{.00}$ (FIFTY), $\$ 100$ (ONE HUN), $\$ 200$ (TWO HUN), \$500 (FIV HUN), \$1,000 (ONE THO), \$5,000 (FIV THO) and \$100,000 (ONEHUNTHO).
5. Prizes: The prizes that can be won in this game are: $\$ 5, \$ 10, \$ 20, \$ 40, \$ 50, \$ 100, \$ 200, \$ 500, \$ 1,000, \$ 5,000$ and $\$ 100,000$. A player can win up to 12 times on a ticket.
6. Approximate Number of Tickets Printed For the Game: Approximately $9,600,000$ tickets will be printed for the Winning Vault instant lottery game.

## 7. Determination of Prize Winners:

(a) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 100,000$ (ONEHUNTHO) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 100,000$.
(b) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 5,000$ (FIV THO) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 5,000$.
(c) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a 10X (10TIMES) symbol, and a prize symbol of $\$ 500$ (FIV HUN) appears in the "prize" area under that 10X (10TIMES) symbol, on a single ticket, shall be entitled to a prize of $\$ 5,000$.
(d) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 1,000$ (ONE THO) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 1,000$.
(e) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a 10X (10TIMES) symbol, and a prize symbol of $\$ 100$ (ONE HUN) appears in the "prize" area under that 10X (10TIMES) symbol, on a single ticket, shall be entitled to a prize of $\$ 1,000$.
(f) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a Vault (WINALL) symbol, and a prize symbol of $\$ 100$ (ONE HUN) appears in five of the "prize" areas, a prize symbol of $\$ 50^{\circ 00}$ (FIFTY) appears in six of the "prize" areas and a prize symbol of $\$ 200$ (TWO HUN) appears in one of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 1,000$.
(g) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 500$ (FIV HUN) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 500$.
(h) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a 10X (10TIMES) symbol, and a prize symbol of $\$ 50^{\circ 00}$ (FIFTY) appears in the "prize" area under that 10X (10TIMES) symbol, on a single ticket, shall be entitled to a prize of $\$ 500$.
(i) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a Vault (WINALL) symbol, and a prize symbol of $\$ 50^{.00}$ (FIFTY) appears in two of the "prize" areas and a prize symbol of $\$ 40^{\circ 0}$ (FORTY) appears in ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 500$.
(j) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 200$ (TWO HUN) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 200$.
(k) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a 10X (10TIMES) symbol, and a prize symbol of $\$ 20^{\circ 00}$ (TWENTY) appears in the "prize" area under that 10X (10TIMES) symbol, on a single ticket, shall be entitled to a prize of $\$ 200$.
(l) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a Vault (WINALL) symbol, and a prize symbol of $\$ 50^{.00}$ (FIFTY) appears in two of the "prize" areas and a prize symbol of $\$ 10^{\circ 00}$ (TEN DOL) appears in ten of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 200$.
(m) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 100$ (ONE HUN) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 100$.
(n) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a 10X (10TIMES) symbol, and a prize symbol of $\$ 10^{.00}$ (TEN DOL) appears in the "prize" area under that 10X (10TIMES) symbol, on a single ticket, shall be entitled to a prize of $\$ 100$.
(o) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a Vault (WINALL) symbol, and a prize symbol of $\$ 20^{.00}$ (TWENTY) appears in two of the "prize" areas, a prize symbol of $\$ 10^{\circ 00}$ (TEN DOL) appears in two of the "prize" areas and a prize symbol of $\$ 5^{\circ 0}$ (FIV DOL) appears in eight of the "prize" areas, on a single ticket, shall be entitled to a prize of \$100.
(p) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a Vault (WINALL) symbol, and a prize symbol of $\$ 10^{.00}$ (TEN DOL) appears in eight of the "prize" areas and a prize symbol of $\$ 5^{.00}$ (FIV DOL) appears in four of the "prize" areas, on a single ticket, shall be entitled to a prize of $\$ 100$.
(q) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 50^{\circ 00}$ (FIFTY) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 50$.
(r) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols is a 10X (10TIMES) symbol, and a prize symbol of $\$ 5^{.00}$ (FIV DOL) appears in the "prize" area under that 10X (10TIMES) symbol, on a single ticket, shall be entitled to a prize of $\$ 50$.
(s) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the
"WINNING NUMBERS" play symbols and a prize symbol of $\$ 40^{\circ 0}$ (FORTY) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 40$.
(t) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 20^{.00}$ (TWENTY) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 20$.
(u) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 10^{\circ 00}$ (TEN DOL) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 10$.
(v) Holders of tickets upon which any one of the "YOUR NUMBERS" play symbols matches any of the "WINNING NUMBERS" play symbols and a prize symbol of $\$ 5^{.00}$ (FIV DOL) appears in the "prize" area under the matching "YOUR NUMBERS" play symbol, on a single ticket, shall be entitled to a prize of $\$ 5$.
8. Number and Description of Prizes and Approximate Odds: The following table sets forth the approximate number of winners, amounts of prizes, and approximate odds of winning:

| When Any Of Your Numbers |  |
| :--- | ---: |
| Match Any Winning Number, Win |  |
| Prize Shown Under The Matching Number. |  |
| Win With: | Win: |
| $\$ 5$ | $\$ 5$ |
| $\$ 5 \times 2$ | $\$ 10$ |
| $\$ 10$ | $\$ 10$ |
| $\$ 5 \times 4$ | $\$ 20$ |
| $\$ 10 \times 2$ | $\$ 20$ |
| $\$ 20$ | $\$ 20$ |
| $\$ 5 \times 8$ | $\$ 40$ |
| $\$ 10 \times 4$ | $\$ 40$ |
| $\$ 20 \times 2$ | $\$ 40$ |
| $\$ 40$ | $\$ 40$ |
| $\$ 5 \times 10$ | $\$ 50$ |
| $\$ 10 \times 5$ | $\$ 50$ |
| $\$ 5 \mathrm{w} / 10 \mathrm{X} \mathrm{SYMBOL}$ | $\$ 50$ |
| $\$ 50$ | $\$ 50$ |
| VAULT w/ ((\$10 $\times 8)+(\$ 5 \times 4))$ | $\$ 100$ |
| VAULT w/ $((\$ 20 \times 2)+(\$ 10 \times 2)+(\$ 5 \times 8))$ | $\$ 100$ |
| $\$ 50 \times 2$ | $\$ 100$ |
| $(\$ 5 \mathrm{w} / 10 \mathrm{X}$ SYMBOL $) \times 2$ | $\$ 100$ |
| $\$ 10 \mathrm{w} / 10 \mathrm{X}$ SYMBOL | $\$ 100$ |
| $\$ 100$ | $\$ 100$ |
| VAULT w/ $((\$ 50 \times 2)+(\$ 10 \times 10))$ | $\$ 200$ |
| $\$ 20 \times 10$ | $\$ 200$ |
| $\$ 50 \times 4$ | $\$ 200$ |
| $\$ 40 \times 5$ | $\$ 200$ |
| $\$ 100 \times 2$ | $\$ 200$ |
| $\$ 5 \mathrm{w} / 10 \mathrm{X}$ SYMBOL $) \times 4$ |  |
| $\$ 20 \mathrm{w} / 10 \mathrm{X}$ SYMBOL | $\$ 200$ |
| $\$ 200$ | $\$ 200$ |
| VAULT w/ $((\$ 50 \times 2)+(\$ 40 \times 10))$ | $\$ 500$ |
| $\$ 50 \times 10$ | $\$ 500$ |
| $\$ 100 \times 5$ | $\$ 500$ |
| $(\$ 5 \mathrm{w} / 10 \mathrm{X}$ SYMBOL $) \times 10$ | $\$ 500$ |

When Any Of Your Numbers
Match Any Winning Number, Win

Prize Shown Under The Matching Number.
Win With:
Approximate
$\$ 50$ w/ 10X SYMBOL
$\$ 500$
VAULT w/ $((\$ 100 \times 5)+(\$ 50 \times 6)+\$ 200)$
$\$ 500 \times 2$
\$100 w/ 10X SYMBOL
\$1,000
\$500 w/ 10X SYMBOL
\$5,000
\$100,000

Win:
Win:
$\$ 500$
$\$ 500$
$\$ 1,000$
$\$ 1,000$
$\$ 1,000$
$\$ 1,000$
$\$ 5,000$
$\$ 5,000$
$\$ 100,000$

Odds Are 1 In:

Approximate No. Of Winners Per 9,600,000 Tickets:

Reveal a "10X" (10TIMES) symbol, win 10 times the prize shown under that symbol.
Reveal a "VAULT" (WINALL) symbol, win all 12 prizes shown!

Prizes, including top prizes, are subject to availability at the time of purchase.
9. Retailer Incentive Awards: The Lottery may conduct a separate Retailer Incentive Program for retailers who sell Winning Vault instant lottery game tickets.
10. Retailer Bonus: The Lottery may offer a retailer bonus in connection with the sale of Pennsylvania instant lottery game tickets. If a retailer bonus is offered, a Lottery retailer shall be eligible for a bonus as described in this section. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least $\$ 100,000$ and not exceeding $\$ 500,000$ shall be paid a bonus of $\$ 500$. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least $\$ 500,001$ and not exceeding $\$ 1,000,000$ shall be paid a bonus of $\$ 5,000$. Lottery retailers who sell a winning ticket that entitles the ticket holder to a prize, either payable in a single installment or having a guaranteed minimum payout, of at least $\$ 1,000,001$ and not exceeding $\$ 10,000,000$ shall be paid a bonus of $\$ 10,000$. A Lottery retailer is entitled only to the largest bonus for which he qualifies on a winning ticket. A bonus will be initiated for payment after the instant ticket is claimed and validated. A bonus will not be awarded to a Lottery retailer that sells a nonwinning Pennsylvania Lottery instant ticket used to enter a Pennsylvania Lottery second-chance drawing or promotion that is subsequently selected to win a prize.
11. Unclaimed Prize Money: For a period of 1 year from the announced close of Winning Vault, prize money from Winning Vault instant lottery game tickets will be retained by the Secretary for payment to the persons entitled thereto. If no claim is made within 1 year of the announced close of the Winning Vault instant lottery game, the right of a ticket holder to claim the prize represented by the ticket, if any, will expire and the prize money will be paid into the State Lottery Fund and used for purposes provided for by statute.
12. Governing Law: In purchasing a ticket, the customer agrees to comply with and abide by the State Lottery Law (72 P.S. §§ 3761-101-3761-314), 61 Pa. Code Part V (relating to State Lotteries) and the provisions contained in this notice.
13. Termination of the Game: The Secretary may announce a termination date, after which no further tickets
from this game may be sold. The announcement will be disseminated through media used to advertise or promote Winning Vault or through normal communications methods.
C. DANIEL HASSELL,

Secretary
[Pa.B. Doc. No. 17-1489. Filed for public inspection September 8, 2017, 9:00 a.m.]

## DEPARTMENT OF TRANSPORTATION

## State Transportation Commission Meeting

The State Transportation Commission will hold a meeting on Thursday, September 14, 2017, from 10 a.m. to 12 p.m. in Cranberry I and II, Pittsburgh Marriott North, 100 Cranberry Woods Drive, Cranberry Township, PA 16066. For more information, contact Ellen E. Sweeney, PhD, (717) 787-2913, ellsweeney@pa.gov.

LESLIE S. RICHARDS, Secretary
[Pa.B. Doc. No. 17-1490. Filed for public inspection September 8, 2017, 9:00 a.m.]

## ENVIRONMENTAL QUALITY BOARD

## Meeting Cancellation

The September 19, 2017, meeting of the Environmental Quality Board (Board) is cancelled. The next regular meeting of the Board is scheduled for Tuesday, October 17, 2017, at 9 a.m. in Room 105, Rachel Carson State Office Building, 400 Market Street, Harrisburg, PA.

The agenda and meeting materials for the October 17, 2017, meeting will be available on the Department of Environmental Protection's (Department) web site at www.dep.pa.gov (select "Public Participation," then "Environmental Quality Board (EQB)"). Questions concerning the Board's next scheduled meeting may be directed to Laura Edinger at (717) 783-8727 or ledinger@pa.gov.

Persons in need of accommodations as provided for in the Americans with Disabilities Act of 1990 should contact Laura Edinger at (717) 783-8727 or through the Pennsylvania AT\&T Relay Service at (800) 654-5984 (TDD) to discuss how the Department may accommodate their needs.

## PATRICK McDONNELL, <br> Chairperson

[Pa.B. Doc. No. 17-1491. Filed for public inspection September 8, 2017, 9:00 a.m.]

# INDEPENDENT REGULATORY REVIEW COMMISSION 

## Action Taken by the Commission

The Independent Regulatory Review Commission met publicly at 10 a.m., Thursday, August 24, 2017, and announced the following:
Regulations Deemed Approved Pursuant to Section 5(g) of the Regulatory Review Act-Effective August 23, 2017:
Bureau of Professional and Occupational Affairs \# 16A-5514: Schedule of Civil Penalties-Accountants (amends 49 Pa . Code § 43b.10a)

## Action Taken-Regulations Approved:

Pennsylvania Liquor Control Board \# 54-97: Intermunicipal Transfer of Retail Licenses (amends 40 Pa. Code §§ 7.61 and 7.62)
Environmental Quality Board \# 7-528: Water Quality Standards; Class A Stream Redesignations (amends 25 Pa. Code Chapter 93)

Environmental Quality Board \# 7-498: Radiological Health and Radon Certification Fees; Pennsylvania Radon Mitigation System Tag and Fee (amends 25 Pa . Code Chapters 218 and 240)
State Board of Accountancy \# 16A-5513: Act 73 and Act 15 Amendments (amends 49 Pa. Code)
State Registration Board for Professional Engineers, Land Surveyors and Geologists \# 16A-4713: Renewal Fee (amends 49 Pa . Code § 37.17)

Bureau of Professional and Occupational Affairs \# 16A-4413: Schedule of Civil Penalties-Podiatrists (adds Section 43 b .27 to 49 Pa . Code Chapter 43b)

## Approval Order

Public Meeting Held
August 24, 2017
Commissioners Voting: George D. Bedwick, Chairperson; John F. Mizner, Esq., Vice Chairperson; W. Russell Faber; Murray Ufberg, Esq.; Dennis A. Watson, Esq.

> Pennsylvania Liquor Control Board Intermunicipal Transfer of Retail Licenses Regulation No. 54-97 (\# 3175)

On June 29, 2017, the Independent Regulatory Review Commission (Commission) received this regulation from the Pennsylvania Liquor Control Board (Board). This rulemaking amends 40 Pa . Code $\S \S 7.61$ and 7.62 . Notice
of proposed rulemaking was omitted for this regulation; it will become effective upon publication in the Pennsylvania Bulletin.

This rulemaking amends the Board's existing regulations concerning intermunicipal transfers of retail liquor and eating place retail dispenser licenses to be consistent with Act 155 of 2006.

We have determined this regulation is consistent with the statutory authority of the Board (47 P.S. § 2-207(i)) and the intention of the General Assembly. Having considered all of the other criteria of the Regulatory Review Act, we find promulgation of this regulation is in the public interest.
By Order of the Commission:
This regulation is approved.

## Approval Order

Public Meeting Held
August 24, 2017
Commissioners Voting: George D. Bedwick, Chairperson; John F. Mizner, Esq., Vice Chairperson; W. Russell Faber; Murray Ufberg, Esq.; Dennis A. Watson, Esq. Environmental Quality Board
Water Quality Standards; Class A Stream Redesignations Regulation No. 7-528 (\# 3140)
On February 23, 2016, the Independent Regulatory Review Commission (Commission) received this proposed regulation from the Environmental Quality Board (EQB). This rulemaking amends 25 Pa . Code Chapter 93. The proposed regulation was published in the March 5, 2016 Pennsylvania Bulletin with a public comment period ending April 18, 2016. The final-form regulation was submitted to the Commission on July 19, 2017.
This regulation amends the water quality designations of 50 streams and stream segments. The amendments affect portions of the Delaware River Basin (Delaware River, Lehigh River and Schuylkill River), Ohio River Basin (Allegheny River and Kiskiminetas River) and Susquehanna River Basin (Juniata River, Susquehanna River, Tioga River and West Branch Susquehanna River).

We have determined this regulation is consistent with the statutory authority of the EQB (35 P.S. §§ 691.5 and 691.402) and the intention of the General Assembly. Having considered all of the other criteria of the Regulatory Review Act, we find promulgation of this regulation is in the public interest.

## By Order of the Commission:

This regulation is approved.

## Approval Order

Public Meeting Held August 24, 2017
Commissioners Voting: George D. Bedwick, Chairperson; John F. Mizner, Esq., Vice Chairperson; W. Russell Faber; Murray Ufberg, Esq.; Dennis A. Watson, Esq.

Environmental Quality Board Radiological Health and Radon Certification Fees; Pennsylvania Radon Mitigation System Tag and Fee Regulation No. 7-498 (\# 3153)
On June 16, 2016, the Independent Regulatory Review Commission (Commission) received this proposed regulation from the Environmental Quality Board (EQB). This
rulemaking amends 25 Pa . Code Chapters 218 and 240. The proposed regulation was published in the July 2, 2016 Pennsylvania Bulletin with a public comment period ending August 30, 2016. The final-form regulation was submitted to the Commission on July 19, 2017.
This regulation increases existing fees associated with the radioactive materials licensing and radon certification activities regulated by the Department of Environmental Protection Radiation Protection Program, and adds a requirement for a new radon mitigation system fee.
We have determined this regulation is consistent with the statutory authority of EQB (35 P.S. §§ 7110.301, 7110.302 and 7110.401; 63 P.S. §§ 2008, 2012 and 2013) and the intention of the General Assembly. Having considered all of the other criteria of the Regulatory Review Act, we find promulgation of this regulation is in the public interest.
By Order of the Commission:
This regulation is approved.

## Approval Order

Public Meeting Held August 24, 2017
Commissioners Voting: George D. Bedwick, Chairperson; John F. Mizner, Esq., Vice Chairperson; W. Russell Faber; Murray Ufberg, Esq.; Dennis A. Watson, Esq.

> State Board of Accountancy
> Act 73 and Act 15 Amendments
> Regulation No. 16A-5513 (\# 3104)

On May 29, 2015, the Independent Regulatory Review Commission (Commission) received this proposed regulation from the State Board of Accountancy (Board). This rulemaking amends 49 Pa . Code. The proposed regulation was published in the June 13, 2015 Pennsylvania Bulletin with a public comment period ending July 13, 2015. The final-form regulation was submitted to the Commission on June 30, 2017.
This regulation implements amendments made to the CPA Law by Act 73 of 2008 and Act 15 of 2013.
We have determined this regulation is consistent with the statutory authority of the Board (63 P.S. § 9.3(a)(10)-(12)) and the intention of the General Assembly. Having considered all of the other criteria of the Regulatory Review Act, we find promulgation of this regulation is in the public interest.

## By Order of the Commission:

This regulation is approved.

## Approval Order

Public Meeting Held
August 24, 2017
Commissioners Voting: George D. Bedwick, Chairperson; John F. Mizner, Esq., Vice Chairperson; W. Russell Faber, dissenting; Murray Ufberg, Esq.; Dennis A. Watson, Esq.
State Registration Board for Professional Engineers, Land
Surveyors and Geologists
Renewal Fee
Regulation No. 16A-4713 (\# 3097)
On May 4, 2015, the Independent Regulatory Review Commission (Commission) received this proposed regula-
tion from the State Registration Board for Professional Engineers, Land Surveyors and Geologists (Board). This rulemaking amends 49 Pa . Code $\S 37.17$. The proposed regulation was published in the May 16, 2015 Pennsylvania Bulletin with a public comment period ending June 15,2015 . The final-form regulation was submitted to the Commission on June 14, 2017.

This rulemaking increases the biennial renewal fee from $\$ 50$ to $\$ 100$ for all licensed professional engineers, land surveyors and geologists.

We have determined this regulation is consistent with the statutory authority of the Board (63 P.S. § 156(a)) and the intention of the General Assembly. Having considered all of the other criteria of the Regulatory Review Act, we find promulgation of this regulation is in the public interest.

## By Order of the Commission:

This regulation is approved.

## Approval Order

Public Meeting Held August 24, 2017

Commissioners Voting: George D. Bedwick, Chairperson, dissenting; John F. Mizner, Esq., Vice Chairperson; W. Russell Faber; Murray Ufberg, Esq.; Dennis A. Watson, Esq.

## Bureau of Professional and Occupational Affairs <br> Schedule of Civil Penalties-Podiatrists Regulation No. 16A-4413 (\# 3100)

On May 20, 2015, the Independent Regulatory Review Commission (Commission) received this proposed regulation from the Bureau of Professional and Occupational Affairs (Bureau). This rulemaking adds Section 43b. 27 to 49 Pa . Code Chapter 43b. The proposed regulation was published in the June 6, 2015 Pennsylvania Bulletin with a public comment period ending July 6, 2015. The final-form regulation was submitted to the Commission on June 30, 2017.

This final-form rulemaking establishes a schedule of civil penalties for violations by podiatrists who practice with an expired license or fail to complete required continuing education.

We have determined this regulation is consistent with the statutory authority of the Bureau (63 P.S. § 2205(a)) and the intention of the General Assembly. Having considered all of the other criteria of the Regulatory Review Act, we find promulgation of this regulation is in the public interest.

## By Order of the Commission:

This regulation is approved.
GEORGE D. BEDWICK,
Chairperson
[Pa.B. Doc. No. 17-1492. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Notice of Filing of Final Rulemakings

The Independent Regulatory Review Commission (Commission) received the following regulations. They are scheduled to be considered on the date noted. The Commission's public meetings are held at 333 Market Street, 14th Floor, Harrisburg, PA at 10 a.m. To obtain a copy of the regulation, interested parties should first contact the promulgating agency. If a copy cannot be obtained from the promulgating agency, the Commission will provide a copy or it can be viewed on the Commission's web site at www.irrc.state.pa.us.

| Final Reg. No. | Agency/Title | Received | Public <br> Meeting |
| :---: | :---: | :---: | :---: |
| 125-189 | Pennsylvania Gaming Control Board Hybrid Gaming Tables and Electronic Wagering Terminals | 8/24/17 | 10/12/17 |
| Final-Omit <br> Reg. No. | Agency/Title | Received | Public <br> Meeting |
| 54-98 | Pennsylvania Liquor Control Board | 8/24/17 | 10/12/17 |

## INSURANCE DEPARTMENT

## Alleged Violation of Insurance Laws; Michael William Woodford and Options Insurance Agency; Doc. No. SC16-11-001

Notice is hereby given of the Amendment to Order to Show Cause issued on August 25, 2017, by the Deputy Insurance Commissioner in the previously-referenced matter. Violation of the following is alleged: sections $611-\mathrm{A}(6)$, (7) and (20), 672-A(b)(2) and 674-A(a) and (b) of The Insurance Department Act of 1921 (40 P.S. §§ 310.11(6), (7) and (20), 310.72(b)(2) and 310.74(a) and (b)).

Respondent shall file a written answer to the Amendment to Order to Show Cause within 30 days of the date of issue. If respondent files a timely answer, a formal administrative hearing shall be held in accordance with 2 Pa.C.S. §§ 501-508 (relating to Administrative Agency Law), 1 Pa . Code Part II (relating to General Rules of Administrative Practice and Procedure), 31 Pa . Code §§ 56.1-56.3 (relating to Special Rules of Administrative Practice and Procedure) and other relevant procedural provisions of law.

Answers, motions preliminary to those at hearing, protests, petitions to intervene or notices of intervention, if any, must be filed in writing with the Hearings Administrator, Insurance Department, Administrative Hearings Office, 901 North 7th Street, Harrisburg, PA 17102.

Persons with a disability who wish to attend the previously-referenced administrative hearing, and require an auxiliary aid, service or other accommodation to participate in the hearing, contact Donna Fleischauer, Agency ADA Coordinator, at (717) 705-4194.

JESSICA K. ALTMAN, Acting Insurance Commissioner
[Pa.B. Doc. No. 17-1494. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Application for Merger of United Concordia Life and Health Insurance Company with and into United Concordia Insurance Company

An application has been received requesting approval of the merger of United Concordia Life and Health Insurance Company, a stock life insurance company organized under the laws of the Commonwealth, with and into United Concordia Insurance Company, a stock life insurance company organized under the laws of the State of Arizona. The filing was made under Article XIV of The Insurance Company Law of 1921 (40 P.S. §§ 991.1401991.1413).

Persons wishing to comment on the grounds of public or private interest in this merger are invited to submit a written statement to the Insurance Department (Department) within 30 days from the date of publication of this notice in the Pennsylvania Bulletin. Each written statement must include the name, address and telephone number of the interested party; identification of the application to which the statement is addressed; and a concise statement with sufficient detail and relevant facts to inform the Department of the exact basis of the statement. Written statements should be directed to Lori Bercher, Company Licensing Division, Insurance Department, 1345 Strawberry Square, Harrisburg, PA 17120, fax (717) 787-8557, lbercher@pa.gov.

JESSICA K. ALTMAN,
Acting Insurance Commissioner
[Pa.B. Doc. No. 17-1495. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Application and Request for a Certificate of Authority to Provide a Continuing Care Retirement Community by Platinum Health at Richboro, LLC

Platinum Health at Richboro, LLC has applied for a Certificate of Authority to operate a Continuing Care Retirement Community at Richboro Rehabilitation and Nursing Center in Richboro, PA. The initial filing was
received on August 25, 2017, and was made under the Continuing-Care Provider Registration and Disclosure Act (40 P.S. §§ 3201—3225).

Persons wishing to comment on the grounds of public or private interest to the issuance of a Certificate of Authority are invited to submit a written statement to the Insurance Department (Department) within 30 days from the date of this issue of the Pennsylvania Bulletin. Each written statement must include name, address and telephone number of the interested party; identification of the application to which the statement is addressed; and a concise statement with sufficient details to inform the Department of the exact basis of the statement. Written statements should be directed to Karen M. Feather, Insurance Department, 1345 Strawberry Square, Harrisburg, PA 17120, fax (717) 787-8557, kfeather@pa.gov.

JESSICA K. ALTMAN,
Acting Insurance Commissioner
[Pa.B. Doc. No. 17-1496. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Application and Request for a Certificate of Authority to Provide a Continuing Care Retirement Community by Platinum Health at Riverside, LLC

Platinum Health at Riverside, LLC has applied for a Certificate of Authority to operate a Continuing Care Retirement Community at Riverside Rehabilitation and Nursing Center in Taylor, PA. The initial filing was received on August 25, 2017, and was made under the Continuing-Care Provider Registration and Disclosure Act (40 P.S. §§ 3201—3225).

Persons wishing to comment on the grounds of public or private interest to the issuance of a Certificate of Authority are invited to submit a written statement to the Insurance Department (Department) within 30 days from the date of this issue of the Pennsylvania Bulletin. Each written statement must include name, address and telephone number of the interested party; identification of the application to which the statement is addressed; and a concise statement with sufficient details to inform the Department of the exact basis of the statement. Written statements should be directed to Karen M. Feather, Insurance Department, 1345 Strawberry Square, Harrisburg, PA 17120, fax (717) 787-8557, kfeather@pa.gov.

JESSICA K. ALTMAN,
Acting Insurance Commissioner
[Pa.B. Doc. No. 17-1497. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Application and Request for a Certificate of Authority to Provide a Continuing Care Retirement Community by Platinum Health at Westgate, LLC

Platinum Health at Westgate, LLC has applied for a Certificate of Authority to operate a Continuing Care Retirement Community at Westgate Hills Rehabilitation and Nursing Center in Havertown, PA. The initial filing was received on August 25, 2017, and was made under the Continuing-Care Provider Registration and Disclosure Act (40 P.S. §§ 3201—3225).

Persons wishing to comment on the grounds of public or private interest to the issuance of a Certificate of Authority are invited to submit a written statement to the Insurance Department (Department) within 30 days from the date of this issue of the Pennsylvania Bulletin. Each written statement must include name, address and telephone number of the interested party; identification of the application to which the statement is addressed; and a concise statement with sufficient details to inform the Department of the exact basis of the statement. Written statements should be directed to Karen M. Feather, Insurance Department, 1345 Strawberry Square, Harrisburg, PA 17120, fax (717) 787-8557, kfeather@pa.gov.

JESSICA K. ALTMAN,
Acting Insurance Commissioner
[Pa.B. Doc. No. 17-1498. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Application and Request for a Certificate of Authority to Provide a Continuing Care Retirement Community by Walnut Health Care, LLC

Walnut Health Care, LLC has applied for a Certificate of Authority to operate a Continuing Care Retirement Community at Shippensburg Health Care Center in Shippensburg, PA. The initial filing was received on August 25, 2017, and was made under the ContinuingCare Provider Registration and Disclosure Act (40 P.S. §§ 3201—3225).

Persons wishing to comment on the grounds of public or private interest to the issuance of a Certificate of Authority are invited to submit a written statement to the Insurance Department (Department) within 30 days from the date of this issue of the Pennsylvania Bulletin. Each written statement must include name, address and telephone number of the interested party; identification of the application to which the statement is addressed; and a concise statement with sufficient details to inform the Department of the exact basis of the statement. Written statements should be directed to Karen M. Feather, Insurance Department, 1345 Strawberry Square, Harrisburg, PA 17120, fax (717) 787-8557, kfeather@pa.gov.

JESSICA K. ALTMAN,
Acting Insurance Commissioner
[Pa.B. Doc. No. 17-1499. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Geisinger Quality Options; Individual Grandfathered PPO Plan; Rate Filing

Geisinger Quality Options submitted a rate filing to increase the premium rates for its Grandfathered Individual PPO Plan. The filing proposes a rate increase of $8.6 \%$ and will affect approximately 799 members. The proposed rate increase will generate approximately $\$ 212,000$ of additional annual revenue. The requested effective date of the change is January 1, 2018.

Unless formal administrative action is taken prior to November 23, 2017, the subject filing may be deemed approved by operation of law.

A copy of the filing is available on the Insurance Department's (Department) web site at www.insurance.
pa.gov (hover the cursor over the "Consumers" tab, then select "Other Health Rate Filings").
A copy of the filing is also available for public inspection, by appointment, during normal working hours at the Department's regional office in Harrisburg.

Interested parties are invited to submit written or e-mail comments, suggestions or objections to Cherri Sanders-Jones, Insurance Department, Insurance Product Regulation, 1311 Strawberry Square, Harrisburg, PA 17120, csandersjo@pa.gov within 30 days after publication of this notice in the Pennsylvania Bulletin.

JESSICA K. ALTMAN,
Acting Insurance Commissioner
[Pa.B. Doc. No. 17-1500. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Geisinger Quality Options; Individual Transitional PPO Plan; Rate Filing

Geisinger Quality Options submitted a rate filing to increase the premium rates for its Transitional Individual PPO Plan. The filing proposes a rate increase of $14.5 \%$ and will affect approximately 2,079 members. The proposed rate increase will generate approximately $\$ 980,000$ of additional annual revenue. The requested effective date of the change is January 1, 2018.

Unless formal administrative action is taken prior to November 23, 2017, the subject filing may be deemed approved by operation of law.

A copy of the filing is available on the Insurance Department's (Department) web site at www.insurance. pa.gov (hover the cursor over the "Consumers" tab, then select "Other Health Rate Filings").

A copy of the filing is also available for public inspection, by appointment, during normal working hours at the Department's regional office in Harrisburg.
Interested parties are invited to submit written or e-mail comments, suggestions or objections to Cherri Sanders-Jones, Insurance Department, Insurance Product Regulation, 1311 Strawberry Square, Harrisburg, PA 17120, csandersjo@pa.gov within 30 days after publication of this notice in the Pennsylvania Bulletin.

JESSICA K. ALTMAN,
Acting Insurance Commissioner
[Pa.B. Doc. No. 17-1501. Filed for public inspection September 8, 2017, 9:00 a.m.]

## State Farm Mutual Automobile Insurance Company (SERFF \# STLH-131142349); Rate Increase Filing for Individual LTC Form 97045PA. 1

State Farm Mutual Automobile Insurance Company is requesting approval to increase the premium an aggregate $32.4 \%$ on 1,189 policyholders with form 97045PA.1.

Unless formal administrative action is taken prior to November 23, 2017, the subject filing may be deemed approved by operation of law.
A copy of the filing is available on the Insurance Department's (Department) web site at www.insurance.
pa.gov (hover the cursor over the "Consumers" tab, then select "Long Term Care Rate Filings").

Copies of the filing are also available for public inspection, by appointment, during normal working hours at the Department's Harrisburg office.

Interested parties are invited to submit written comments, suggestions or objections to James Laverty, Actuary, Insurance Department, Insurance Product Regulation, Room 1311, Strawberry Square, Harrisburg, PA 17120, jlaverty@pa.gov within 30 days after publication of this notice in the Pennsylvania Bulletin.

JESSICA K. ALTMAN,
Acting Insurance Commissioner
[Pa.B. Doc. No. 17-1502. Filed for public inspection September 8, 2017, 9:00 a.m.]

## PENNSYLVANIA PUBLIC UTILITY COMMISSION

## Service of Notice of Motor Carrier Applications

The following temporary authority and/or permanent authority applications for the right to render service as a common carrier or contract carrier in this Commonwealth have been filed with the Pennsylvania Public Utility Commission. Formal protests and petitions to intervene must be filed in accordance with 52 Pa . Code (relating to public utilities). A protest shall indicate whether it applies to the temporary authority application, the permanent authority application, or both. Filings must be made with the Secretary, Pennsylvania Public Utility Commission, P.O. Box 3265, Harrisburg, PA 17105-3265, with a copy served on the applicant by September 25, 2017. Documents filed in support of the applications are available for inspection and copying at the Office of the Secretary between 8 a.m. and 4:30 p.m., Monday through Friday, and at the business address of the respective applicant.
Applications of the following for approval to begin operating as common carriers for transportation of persons as described under each application.
A-2017-2614960. Zenride, LLC (122 Chestnut Street, \# 300B, Philadelphia, Philadelphia County, PA 19106) for the right to begin to transport, as a common carrier, by motor vehicle, persons in paratransit service, from points in the Counties of Bucks, Montgomery and Philadelphia, to points in Pennsylvania, and return.

A-2017-2615253. Hastings Area Ambulance Association, Inc. (P.O. Box 584, Hastings, Cambria County, PA 16646) persons in paratransit service, from points in Cambria and Blair Counties to points in Pennsylvania, and return.

A-2017-2617304. Asia Trans, LLC (2201 Tremont Street, B315, Philadelphia, Philadelphia County, PA 19115) for the right to begin to transport, as a common carrier, by motor vehicle, persons in paratransit service, from points in the Counties of Bucks, Chester, Delaware, Montgomery and Philadelphia, to points in Pennsylvania, and return.
A-2017-2620846. Lancaster Express, LLC (c/o James Eric, 905 Grantley Road, York, York County, PA 17403) upon call or demand, in Lancaster County, and the City of Reading, Berks County.

Application of the following for approval of the beginning of the exercise of the right and privilege of operating motor vehicles as common carriers for the transportation of persons by transfer of rights as described under the application.
A-2017-2602064. J.B. Taxi, LLC, t/a County Taxi Cab (P.O. Box 471, Beaver, Beaver County, PA 15009) in call or demand service, in a 5 -mile radius centered on the intersection of 10th Street and East Carson Street, Pittsburgh, Allegheny County; that no right power or privilege is granted to provide service from the Pittsburgh International Airport located in Findlay Township, Allegheny County, which is to be a transfer of all rights authorized under the certificate issued to A-6411247 at A-2014-2421548, to Cindy's Carriages, LLC. Attorney: David W, Donley, 3361 Stafford Street, Pittsburgh, PA 15204.

Application of the following for approval of the beginning of the exercise of the right and privilege of operating motor vehicles as common carriers for the transportation of household goods as described under the application.
A-2017-2618754. Liberty Services, LLC, t/a Helping Hands Philly \& Helping Hands Movers (6024 Ridge Avenue 116-330, Philadelphia, PA 19128) household goods in use, between points in Pennsylvania.
Application of the following for the approval of the right and privilege to discontinue/abandon operating as common carriers by motor vehicle and for cancellation of the certificate of public convenience as described under the application.
A-2017-2620720. LCCR, Inc. (424 Pebble Hill Road, Doylestown, Bucks County, PA 18901) discontinuance of service and cancellation of its certificate, to transport, as a common carrier, by motor vehicle, persons, in limousine service, between points in Pennsylvania, excluding service between points in Allegheny County and excluding service that is under the jurisdiction of the Philadelphia Parking Authority.

ROSEMARY CHIAVETTA,
Secretary
[Pa.B. Doc. No. 17-1503. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Service of Notice of Motor Carrier Formal Complaints

Formal complaints have been issued by the Pennsylvania Public Utility Commission. Answers must be filed in accordance with 52 Pa . Code (relating to public utilities). Answers are due September 25, 2017, and must be made with the Secretary, Pennsylvania Public Utility Commission, P.O. Box 3265, Harrisburg, PA 17105-3265, with a copy to the First Deputy Chief Prosecutor, Pennsylvania Public Utility Commission.

## Pennsylvania Public Utility Commission; Bureau of Investigation and Enforcement v. Renker Transport Services, LLC; Docket No. C-2017-2615591

## COMPLAINT

The Pennsylvania Public Utility Commission (Commission) is a duly constituted agency of the Commonwealth of Pennsylvania empowered to regulate public utilities
within the Commonwealth. The Commission has delegated its authority to initiate proceedings which are prosecutory in nature to the Bureau of Investigation and Enforcement and other bureaus with enforcement responsibilities. Pursuant to that delegated authority and Section 701 of the Public Utility Code, the Bureau of Investigation and Enforcement hereby represents as follows:

1. That all authority issued to Renker Transport Services, LLC, (respondent) is under suspension effective July 09, 2017 for failure to maintain evidence of insurance on file with this Commission.
2. That respondent maintains a principal place of business at 10565 Etter Road, Waterford, PA 16441.
3. That respondent was issued a Certificate of Public Convenience by this Commission on October 13, 2016, at A-8919097.
4. That respondent has failed to maintain evidence of Liability insurance and Cargo insurance on file with this Commission. The Bureau of Investigation and Enforcement's proposed civil penalty for this violation is $\$ 500$ and cancellation of the Certificate of Public Convenience.
5. That respondent, by failing to maintain evidence of insurance on file with this Commission, violated 66 Pa.C.S. § 512, 52 Pa . Code § 32.2(c), and 52 Pa . Code $\S 32.11(\mathrm{a})$, § 32.12(a) or § 32.13(a).

Wherefore, unless respondent pays the penalty of $\$ 500$ or files an answer in compliance with the attached notice and/or causes its insurer to file evidence of insurance with this Commission within twenty (20) days of the date of service of this Complaint, the Bureau of Investigation and Enforcement will request that the Commission issue an Order which (1) cancels the Certificate of Public Convenience held by respondent at A-8919097 for failure to maintain evidence of current insurance on file with the Commission, (2) fines Respondent the sum of five hundred dollars ( $\$ 500.00$ ) for the illegal activity described in this Complaint, (3) orders such other remedy as the Commission may deem to be appropriate, which may include the suspension of a vehicle registration and (4) imposes an additional fine on the respondent should cancellation occur.

Respectfully submitted,
David W. Loucks, Chief
Motor Carrier Enforcement
Bureau of Investigation and Enforcement
P.O. Box 3265

Harrisburg, PA 17105-3265

## VERIFICATION

I, David W. Loucks, Chief, Motor Carrier Enforcement, Bureau of Investigation and Enforcement, hereby state that the facts above set forth are true and correct to the best of my knowledge, information and belief and that I expect that the Bureau will be able to prove same at any hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. § 4904 relating to unsworn falsification to authorities.
Date: 7/25/2017

David W. Loucks, Chief<br>Motor Carrier Enforcement<br>Bureau of Investigation and Enforcement<br>NOTICE

A. You must file an Answer within 20 days of the date of service of this Complaint. The date of service is the
mailing date as indicated at the top of the Secretarial Letter. See 52 Pa . Code § 1.56(a). The Answer must raise all factual and legal arguments that you wish to claim in your defense, include the docket number of this Complaint, and be verified. You may file your Answer by mailing an original to:

## Rosemary Chiavetta, Secretary <br> Pennsylvania Public Utility Commission <br> P.O. Box 3265 <br> Harrisburg, PA 17105-3265

Or, you may eFile your Answer using the Commission's website at www.puc.pa.gov. The link to eFiling is located under the Filing \& Resources tab on the homepage. If your Answer is 250 pages or less, you are not required to file a paper copy. If your Answer exceeds 250 pages, you must file a paper copy with the Secretary's Bureau.
Additionally, a copy should either be mailed to:
Michael L. Swindler, Deputy Chief Prosecutor
Pennsylvania Public Utility Commission
Bureau of Investigation and Enforcement
P.O. Box 3265

Harrisburg, PA 17105-3265
Or, emailed to Mr. Swindler at: RA-PCCmplntResp@ pa.gov
B. If you fail to answer this Complaint within 20 days, the Bureau of Investigation and Enforcement will request that the Commission issue an Order imposing the penalty.
C. You may elect not to contest this Complaint by causing your insurer to file proper evidence of current insurance in accordance with the Commission's regulations and by paying the fine proposed in this Complaint by certified check or money order within twenty (20) days of the date of service of this Complaint. Accord certificates of insurance and faxed form Es and Hs are unacceptable as evidence of insurance.

The proof of insurance must be filed with the:

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Compliance Office, Bureau of Technical Utility Services
Pennsylvania Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17105-3265
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Payment of the fine must be made to the Commonwealth of Pennsylvania and should be forwarded to:

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Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17105-3265
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Your payment is an admission that you committed the alleged violation and an agreement to cease and desist from further violations. Upon receipt of the evidence of insurance from your insurer, and upon receipt of your payment, the Complaint proceeding shall be closed.
D. If you file an Answer which either admits or fails to deny the allegations of the Complaint, the Bureau of Investigation and Enforcement will request the Commission to issue an Order imposing the penalty set forth in this Complaint.
E. If you file an Answer which contests the Complaint, the matter will be assigned to an Administrative Law Judge for hearing and decision. The Judge is not bound by the penalty set forth in the Complaint, and may impose additional and/or alternative penalties as appropriate.
F. If you are a corporation, you must be represented by legal counsel. 52 Pa . Code § 1.21.

Alternative formats of this material are available for persons with disabilities by contacting the Commission's ADA Coordinator at 717-787-8714. Do not call this number if you have questions as to why you received this complaint. For those questions you may call 717-7833847.

ROSEMARY CHIAVETTA,
Secretary
[Pa.B. Doc. No. 17-1504. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Transfer Control

A-2017-2620891. GTT Americas, LLC and Transbeam, Inc. Joint application of GTT Americas, LLC and Transbeam, Inc. for approval to transfer control of Transbeam, Inc. to GTT Americas, LLC.

Formal protests and petitions to intervene must be filed in accordance with 52 Pa . Code (relating to public utilities) on or before September 25, 2017. Filings must be made with the Secretary of the Pennsylvania Public Utility Commission, P.O. Box 3265, Harrisburg, PA 171053265 , with a copy served on the applicant. The documents filed in support of the application are available for inspection and copying at the Office of the Secretary between 8 a.m. and $4: 30$ p.m., Monday through Friday, on the Pennsylvania Public Utility Commission's web site at www.puc.pa.gov and at the applicant's business address.
Applicants: GTT Americas, LLC; Transbeam, Inc.
Through and By Counsel: Anthony C. DeCusatis, Esquire, Catherine G. Vasudevan, Esquire, Morgan, Lewis \& Bockius, LLP, 1701 Market Street, Philadelphia, PA 19103-2921; Andrew D. Lipman, Esquire, Brett P. Ferenchak, Esquire, Morgan, Lewis \& Bockius, LLP, 1111 Pennsylvania Avenue, NW, Washington, DC 20004-2541; Andrew Isar, Esquire, Miller Isar, Inc., 4304 92nd Avenue, NW, Gig Harbor, WA 98335

ROSEMARY CHIAVETTA,
Secretary
[Pa.B. Doc. No. 17-1505. Filed for public inspection September 8, 2017, 9:00 a.m.]

## Transfer Indirect Control

A-2017-2621791. Plant Holdings, Inc., Airbus DS Communications, Inc. and Motorola Solutions, Inc. Joint application of Plant Holdings, Inc., Airbus DS Communications, Inc. and Motorola Solutions, Inc. for approval to transfer indirect control of Airbus DS Communications, Inc.

Formal protests and petitions to intervene must be filed in accordance with 52 Pa . Code (relating to public utilities) on or before September 25, 2017. Filings must be made with the Secretary of the Pennsylvania Public Utility Commission, P.O. Box 3265, Harrisburg, PA 171053265 , with a copy served on the applicant. The documents filed in support of the application are available for inspection and copying at the Office of the Secretary between 8 a.m. and 4:30 p.m., Monday through Friday, on
the Pennsylvania Public Utility Commission's web site at www.puc.pa.gov and at the applicant's business address.
Applicants: Plant Holdings, Inc.; Airbus DS Communications, Inc.; Motorola Solutions, Inc.
Through and By Counsel: Albert J. Catalano, Esquire, Wesley K. Wright, Esquire, Keller and Heckman, LLP, 1001 G Street, NW, Suite 500 West, Washington, DC 20001; Bennett L. Ross, Esquire, Wiley Rein, LLP, 1776 K Street, NW, Washington, DC 20006

ROSEMARY CHIAVETTA, Secretary
[Pa.B. Doc. No. 17-1506. Filed for public inspection September 8, 2017, 9:00 a.m.]

## PHILADELPHIA PARKING AUTHORITY

## Service of Notice of Motor Carrier Applications in the City of Philadelphia

The following permanent authority applications to render service as common carriers in the City of Philadelphia have been filed with the Philadelphia Parking Authority's (PPA) Taxicab and Limousine Division (TLD). Formal protests must be filed in accordance with 52 Pa . Code Part II (relating to Philadelphia Parking Authority) with the TLD's Office of the Clerk, 2415 South Swanson Street, Philadelphia, PA 19148, no later than September 25,2017 . The nonrefundable protest filing fee is $\$ 5,000$ payable to the PPA by certified check or money order. The applications are available for inspection at the TLD between 9 a.m. and 4 p.m., Monday through Friday (contact TLD Director Christine Kirlin, Esq. at (215)

683-9653 to make an appointment) or may be inspected at the business addresses of the respective applicants.

Doc No. A-17-08-02. Kutu, Inc. $(782$ Taylor Drive, Unit 1-b, Folcroft, PA 19032): An application for a medallion taxicab certificate of public convenience (CPC) to transport persons in taxicab service between points within the City of Philadelphia and from points in the City of Philadelphia to points in Pennsylvania, and return. Attorney for Applicant: Charles Milstein, Esq., 7102 Frankford Avenue, Philadelphia, PA 19135.

Doc No. A-17-08-03. Nur Corporation (339 Avon Road, Upper Darby, PA 19082): An application for a medallion taxicab CPC to transport persons in taxicab service between points within the City of Philadelphia and from points in the City of Philadelphia to points in Pennsylvania, and return.

Doc No. A-17-08-04. Luxury Limousine \& Car Service, LLC (193 Billows Drive, Mount Royal, NJ 08061): An application for a limousine CPC to transport persons and their baggage in luxury limousine service on an exclusive basis, arranged for in advance, between points within the City of Philadelphia and from points in the City of Philadelphia to points in Pennsylvania, and return. Attorney for Applicant: David P. Temple, Esq., 1600 Market Street, Suite 1320, Philadelphia, PA 19103.

Doc No. A-17-08-05. K.D.M. Gold, Inc. (570 Larchwood Avenue, Upper Darby, PA 19082): An application for a medallion taxicab CPC to transport persons in taxicab service between points within the City of Philadelphia and from points in the City of Philadelphia to points in Pennsylvania, and return.

CLARENA TOLSON,<br>Executive Director

[Pa.B. Doc. No. 17-1507. Filed for public inspection September 8, 2017, 9:00 a.m.]


[^0]:    Southeast
    Bucks, Chester, Delaware, Montgomery and Philadelphia Counties

    Department of Community and Economic Development 200 South Broad Street, 11th Floor
    Philadelphia, PA 19102
    (215) 560-5822

[^1]:    Southeast Region: Regional Solid Waste Manager, 2 East Main Street, Norristown, PA 19401.

[^2]:    Applications Received under the Dam Safety and Encroachments Act (32 P.S. §§ 693.1-693.27) and section 302 of the Flood Plain Management Act (32 P.S. § 679.302) and Requests for Certification under section 401 (a) of the FWPCA.

[^3]:    Northeast Region: Air Quality Program, 2 Public Square, Wilkes-Barre, PA 18711-0790.

    Contact: Norman Frederick, P.E., Environmental Engineer Manager-Telephone: 570-826-2409.

[^4]:    ${ }^{\text {c }}$ I=Dry Crossing Method includes Dam \& Pump, Flume, or Cofferdam, II=Trenchless Crossing Method—Horizontal Directional Drill, III=Trenchless Crossing Method - Conventional Bore, IV=Floodway Impacts Only; V=Bridge Equipment Crossing
    ${ }^{\text {e }}$ This feature will be crossed using a trenchless method. Impacts shown are for the contingency crossing method, which are larger than the primary trenchless method.

[^5]:    ${ }^{6}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application.
    ${ }^{\mathrm{c}}$ I=Dry Crossing Method (includes Dam \& Pump, Flume, or Cofferdam); II=Trenchless Crossing Method: Horizontal Directional Drill; III = Trenchless Crossing Method: Conventional Bore; IV = Floodway Impacts Only; V=Bridge Equipment Crossing
    ${ }^{\text {d PAFBC Designations: }}$ ST $=$ Stocked Trout; WT = Wild Trout; CA = Class A Trout

[^6]:    ${ }^{\mathrm{b}}$ Gas=gas Crossing Method: Conventional Bore; IV = Floodway Impacts Only; V=Bridge Equipment Crossing

[^7]:    ${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application
    ${ }^{\mathrm{b}}$ GAS=gas pipeline, TEMPRD=temporary roadway crossing, $A G=$ agricultural crossing
    ${ }^{\mathrm{c}} \mathrm{I}=$ Open Cut, II = Trenchless Crossing Method - Horizontal Directional Drill, III = Trenchless Crossing Method - Conventional Bore, IV=Temporary Matting

[^8]:    ${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application. ${ }^{\mathrm{b}}$ Gas=gas pipeline crossing or floodway impacts, TBC=temporary bridge crossing, TEMPRD $=$ temporary road crossing
    ${ }^{\mathrm{c}} \mathrm{I}=$ Dry Crossing Method includes Dam \& Pump, Flume, or Cofferdam, II=Trenchless Crossing Method—Horizontal Directional Drill, III=Trenchless Crossing Method-Conventional Bore, IV=Floodway Impacts Only; V=Bridge Equipment Crossing
    ${ }^{\text {d }}$ PAFBC Designations: ST = Stocked Trout; WT = Wild Trout; CA = Class A Trout
    e This feature will be crossed using a trenchless method. Impacts shown are for the contingency crossing method, which are larger than the primary
    trenchless method.

[^9]:    a Impact numbers correspond to the Impact Number presented in Attachment E-2 of Transco's applications.
    ${ }^{\mathrm{b}}$ GAS=gas pipeline, TEMPRD=temporary roadway crossing, AG=agricultural crossing
    ${ }^{\mathrm{c}} \mathrm{I}=$ Open Cut, II $=$ Trenchless Crossing Method—Horizontal Directional Drill, III $=$ Trenchless Crossing Method—Conventional Bore, IV = Temporary Matting
    ${ }^{\mathrm{d}}$ This feature will be crossed using a trenchless method. Impacts shown are for the contingency crossing method, which are larger than the primary trenchless method.

[^10]:    e This feature will be crossed using a trenchless method. Impacts shown are for the contingency crossing method, which are larger than the primary trenchless method.

[^11]:    ${ }^{\mathrm{b}}$ GAS=gas pipeline, TEMPRD=temporary roadway crossing, AG=agricultural crossing
    ${ }^{\mathrm{c}} \mathrm{I}=$ Open Cut, II $=$ Trenchless Crossing Method—Horizontal Directional Drill, III = Trenchless Crossing Method—Conventional Bore, IV = Temporary
    ${ }^{d}$ This feature will be crossed using a trenchless method. Impacts shown are for the contingency crossing method, which are larger than the primary trenchless method.
    e This feature will be crossed using a trenchless method. Impacts shown are for the contingency crossing method, which are larger than the primary
    trenchless method.

[^12]:    ${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application.
    Cofferd $)$; II=Trenchless Crossing Method Horizontal Directional Drill; III = Trenchless Crossing Method: Conventional Bore; IV = Floodway Impacts Only; V=Bridge Equipment Crossing
    ${ }^{\text {d PAFBC Designations: }}$ ST = Stocked Trout; WT = Wild Trout; CA = Class A Trout

[^13]:    ${ }^{\text {a }}$ Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application. ${ }^{\mathrm{b}}$ Gas=gas pipeline crossing or floodway impacts, TBC=temporary bridge crossing, TEMPRD = temporary road crossing
    ${ }^{\text {c }}$ I=Dry Crossing Method includes Dam \& Pump, Flume, or Cofferdam, II=Trenchless Crossing Method—Horizontal Directional Drill, III=Trenchless Crossing Method-Conventional Bore, IV=Floodway Impacts Only; V=Bridge Equipment Crossing
    ${ }^{\text {d PAFBC Designations: ST }=\text { Stocked Trout; WT = Wild Trout; CA = Class A Trout }}$

[^14]:    When Any Of Your Numbers Match
    Any Winning Number, Win Prize
    Shown Under The Matching Number.
    Win With:
    \$10
    \$15
    $\$ 10 \times 2$
    \$20
    $\$ 15+\$ 10$
    \$25
    $\$ 10 \times 3$
    $\$ 15 \times 2$
    $\$ 30$
    $\$ 10 \times 4$
    $\$ 20 \times 2$
    $(\$ 15 \times 2)+\$ 10$
    $\$ 25+\$ 15$
    \$40
    $\$ 10 \times 5$
    $\$ 25 \times 2$
    \$10 w/ VIOLET MATCH
    $\$ 50$
    $\$ 50 \times 2$
    ( $\$ 10 \mathrm{w} / \mathrm{VIOLET} \mathrm{MATCH}) \times 2$
    $\$ 20 \mathrm{w} / \mathrm{VIOLET} \mathrm{MATCH}$

