

McMANIS ASSOCIATES INC.

MANAGEMENT AND RESEARCH CONSULTANTS

United States Environmental Protection Agency

**PERMIT COMPLIANCE SYSTEM
DATA QUALITY REVIEW**

Final Report

**Pennsylvania Loading Data Analyses
September 1, 1993**

**McManis Associates, Inc.
Washington, D.C.**

**Under subcontract with The Cadmus Group
Newington, Virginia**

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PENNSYLVANIA LOADING DATA ANALYSES

This report represents a compilation of the extensive analyses conducted on Water Enforcement National Data Base (WENDB) data residing in the EPA's Permit Compliance System (PCS). These analyses were conducted for all 402 major facilities in the State of Pennsylvania. This report has been developed in two volumes:

VOLUME I - Introduction, Loading Data Quality Summary

This volume of the report assesses the use of DMR pollutant loading data as a key environmental indicator for measuring and evaluating water program achievements. Also presented in this volume are guidelines that have been developed for assessing the critical data fields which affect the accuracy of loading calculations. These guidelines were applied to identify potential coding errors existing in PCS, and should serve as guidelines for entering data into PCS in the future. An overview of the Pennsylvania loading data quality analyses is also contained in this volume.

VOLUME II - Individual Facility Loading Data Quality Analyses

The second volume of the report includes the detailed results of the analyses conducted on the 402 major facilities in the State of Pennsylvania. The analyses utilized both manual and computerized processes to determine whether active effluent pipes with established monitoring requirements are reporting the necessary data in PCS to accurately calculate pollutant loadings. The processes involved in the analyses are described in detail in this section. Any potential problems ascertained through these processes have been identified and described for each facility.

VOLUME I

INTRODUCTION

1.0 INTRODUCTION

The Permit Compliance System (PCS) is one of the most intricate and informative data base systems currently in use by EPA and State environmental protection agencies. PCS is a computerized management information system, which was initially designed for tracking permit compliance and enforcement status for the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act. Virtually all of the data reviewed in this report is part of the Water Enforcement National Data Base (WENDB).

The continuing development of PCS, and the increased emphasis on environmental impacts, has promoted use of the system in capacities for which it was not originally designed. The ability to use PCS for multiple purposes has placed it at the forefront of EPA information systems. For instance, one of the key environmental indicators being used by EPA, States and other analysts considering water program achievements is the actual pollutant loadings being discharged into the nation's surface waters. To support that type of assessment, EPA Regional program staff have developed PCS retrieval programs that collect and summarize DMR discharge data and use that data to calculate actual stream loadings of pollutants by stream reaches, basins, States, or entire Regions.

Currently, 32 States and all 10 EPA Regions enter limits and measurement data into PCS. There are a large number of State and Federal organizations entering data into PCS, and there are often several different ways to correctly enter limits and measurement information into the system. One of the five PCS user manuals is the PCS Data Element Dictionary. That manual provides the specific requirements for data entry for every field in PCS. Because of the new opportunities for use of PCS to effectively calculate pollutant loads into the nation's streams, there must be greater standardization and adherence to data entry rules for entering limits and measurement into the database.

1.1 Why Calculate Loadings?

Using the data contained in PCS to calculate pollutant loadings allows the systematic collection of environmental information, which can then be used to assess the condition of the environment by determining the impact of facility discharges upon our nation's waterways.

The ability to calculate loadings provides State and Federal managers with a unique capability to measure the performance of the NPDES permit program. For example, it can be determined whether new permits are effectively achieving a decrease in pollutant loadings over time. This capability provides managers with a more concrete indicator of environmental improvement than simply examining the number of major permits issued. This level of information provides an understandable and credible means of communicating environmental impacts to oversight organizations and the public. The ability to produce quantifiable environmental data could be critical in future program funding discussions.

Now that PCS has the ability to calculate loadings, it will be much easier to identify and address the most significant sources through permit or enforcement efforts. Additionally, the ability to calculate stream loadings can be combined with actual stream monitoring data to identify impacts of non-permitted discharges to the nation's waters, such as non-point sources. Load totalling can assist in directing program efforts toward the most significant environmental problems in a State or region.

1.2 Why Calculate Loadings Correctly?

EPA places a strong emphasis on measuring environmental results. Loading data is being increasingly sought by Congress and members of the public as well as from within the Agency itself for many uses, not the least of which are GIS analyses and water quality monitoring evaluations.

Although the data currently in PCS satisfies the original objectives of monitoring facility compliance, the objective of supporting stream loading reporting requires that the data be utilized in a different manner. Because of the new processes, pipe level data must be coded and entered with more accuracy than ever before, particularly with regard to monitoring locations. Previously, inaccurate monitoring location code (MLOC), report designator data (DRID), or number of units in the reporting period (NRPU) entered into PCS may have had little or no impact on the ability of the system to determine facility compliance with its permit. However, when that same data is used to calculate loadings, significant errors are introduced because of the coding problems. Any present or future data coding and input errors in PCS will ultimately impact the accuracy of the EPA loading analysis.

Unless critical pipe level data is correctly coded and entered into PCS, it is impossible to accurately determine the level of pollutants being discharged into our nation's waters. It is also impossible to track environmental indicators over time to measure program success.

2.0 DATA FIELDS WHICH AFFECT ACCURACY OF LOADINGS

Since the EPA loading analysis is only conducted for the data entered in PCS as effluent, it is now critical to differentiate between internal monitoring points and actual effluent pipes, so that only actual pollutant loads are calculated. The fields specified below are particularly important in identifying actual effluent pipes.

In order to assure the long-term consistency of the EPA loading analysis, it is critical that accurate data be entered in the PCS fields listed below. Therefore, the following guidelines are offered to assist users in correctly entering data in these fields.

2.1 Monitoring Location Field (MLOC)

The value contained in the monitoring location code field (MLOC) determines whether the EPA loading analysis considers a pipe as an effluent pipe, and therefore calculates the load for the parameters monitored at that pipe. The guidance provided by EPA in the PCS user documentation specifically directs that only effluent monitoring location codes (1, 2, A, B, P, and W) be assigned to actual effluent discharge pipes. All other internal or external monitoring locations should have a monitoring location code other than these six which indicate effluent to a receiving water body.

If an internal monitoring location is incorrectly assigned an effluent monitoring location code, the EPA loading analysis will consider it an actual effluent point and will calculate loadings for those pollutants measured at that point. In other words, the loading analysis will determine that something is being discharged into the water that actually is not! This will ultimately result in the loading calculations for that facility being overestimated. Conversely, loads will not be calculated for any effluent pipes incorrectly assigned non-effluent monitoring location codes. This would result in underestimating the pollutant loading for a facility.

2.2 Pipe Latitude and Longitude (PLAT/PLON)

Entering pipe latitude and longitude data (PLAT and PLON) allows PCS users to determine the actual point at which a facility pipe discharges into the nation's waterways. PCS pipe latitude and longitude data is being used in conjunction with other analytical tools (such as GIS) to determine what is being discharged and where. If data is absent or incorrectly entered, it is impossible to accurately assess the quality of the water at any given location. Additionally, since accurate latitude and longitude information should be entered for all actual effluent pipes, this data can serve as an additional check in the validation process for data contained in other fields critical to the PCS loading calculation process.

2.3 Pipe Descriptions (PIPE)

Although the pipe description field (PIPE) is not a nationally required, or WENDB, data element, entering a detailed description of the exact purpose of the pipe in this field will facilitate PCS users in identifying actual effluent pipes. Accurate pipe descriptions will also assist in ensuring that correct data is entered in the other fields used for the EPA loading analysis, such as the monitoring location and report designator codes and the number of units in the reporting period (NRPU). For example, if PIPE describes an effluent pipe discharging to Lake Superior and monitored on a monthly basis, it can be validated that the monitoring location code field contains an effluent value (1, 2, A, B, P, or W) and that the Number of Units in the Reporting Period field (NRPU) contains the monthly monitoring value of "001".

2.4 Number of Units in the Reporting Period (NRPU)

The NRPU field indicates the number of months in the reporting period. For example, if reporting for a pipe is required on a monthly basis, a value of "001" should be entered in the NRPU field, and twelve months of measurement data should be entered for this pipe. Similarly, if reporting for a pipe is conducted quarterly, a value of "003" should be entered in the NRPU field, and only four measurement data entries should be in PCS for this pipe each year. For every outfall at a facility, the PCS loading analysis multiplies each reported monthly average load for each parameter by the NRPU, and sums these resultant values for a total annual pollutant loading figure.

Therefore, if the value of the NRPU for a given pipe is "003", indicating quarterly reporting, only four measurements for that pipe should be given. The PCS loading analysis will multiply the calculated loading for parameters measured at this pipe by three to estimate the total load for the year. If twelve monthly measurements were entered for a parameter at this pipe, the sum of the twelve measurements would still be multiplied by three to calculate the annual load. This would result in the load for this pipe being largely overestimated.

This is generally a problem in States where preprinted DMRs are not used or where permittees preprint their own DMRs on their own computer system. They report monthly for example, even though the permit only requires quarterly monitoring.

3.0 OTHER "LOADINGS" SENSITIVE FIELDS AND ISSUES

In addition to data quality issues associated with WENDB data or loading analyses PCS managers, users and the McManis Project Team have identified several other data quality issues that can have an impact on water quality and Agency program initiatives. This section presents those issues in terms of their impact on PCS operations. The most critical to PCS capabilities to accurately reflect pollutant loadings is how to manage DMR data for facilities with intermittent flows. The second issue discussed is the use of "actual address" information from PCS to relate NPDES permitted facilities with permittees of other environmental legislation such as the Clean Air Act or RCRA.

3.1 Intermittent Flows

Intermittent flows such as bypasses, combined sewer overflows, or perhaps even an intermittent lagoon discharge also create special problems for the load totalling programs. Currently, in PCS, there is no method for distinguishing these types of flows. Permits require the permittee to report average and maximum discharge information. However, permittees with intermittent flows, even when those flows occurred for only 1 or 2 days typically report the actual averages and maximums for those days with actual discharges. That data is then entered into PCS in the monthly average and maximum fields. Thus, when the load calculating program is run for this facility, the amount of pollutant discharged will be greatly overestimated since the program assumed a full month's operation at the average discharge level.

With the implementation of the planned Sludge tracking enhancements, PCS will have the capability for identifying intermittent flows. A new field is being added to PCS called OUTT. The OUTT field can be used to designate intermittent flows such as CSO or stormwater for each pipe. This field is especially important since any OUTT field which is blank will be considered by the load totalling program to be an actual effluent pipe discharging throughout the entire monitoring period.

As a result of this new field, an immediate effort will be necessary to review all pipes for determination of the appropriate code to be placed in the new OUTT field. This determination will be required for both major and minor dischargers so that intermittent outfalls can be clearly identified.

EPA is presently evaluating the need for permit writing changes which will likely be necessary to incorporate in DMR requirements in order to improve the loading information for intermittent discharges. Rather than reporting just average flow and average concentration, actual total monthly load data might be reported under the permit with information indicating the actual duration of the discharge rather than the present monthly average and maximums.

3.2 Actual Address (LOCATION)

In the past, PCS has used facility mailing information rather than facility location information as a key set of fields to support the critical need to produce preprinted DMRs. However, EPA and States are now experiencing an equal need for accurate facility location information in order to facilitate data and program integration efforts.

To achieve facility cross indexing necessary to coordinate EPA and State programs, EPA has developed the Facility Index System (FINDS) which contains cross referenced facility information and data for facilities contained in the various EPA and State automated program management systems. In addition, the Dunn & Bradstreet number is also included as part of the cross reference for each facility, allowing users to identify parent relationships and company-wide facilities.

The FINDS system was developed to support not only facility cross referencing to determine information such as how this facility is regulated, but to also support GIS locational analysis. As such, FINDS should contain latitude and longitude information on the facility's location and that of all effluent pipes, allowing the use of GIS to identify regulated facilities and actual discharge points within any particular geographic area. Thus the availability of facility location information is key to the effective implementation of program integration and GIS initiatives.

One of the techniques used by the FINDS system managers to develop and maintain accurate facility cross referencing is actual address matching of records from the various program systems. Routines have been developed to compare addresses and assist in the efforts to match facility records from PCS with facility records of one or more of the other EPA or State regulatory management systems. Because in the past PCS only required "mailing addresses" to note where the preprinted DMR's were to be mailed, actual addresses were considered unimportant and hence many thousands of PCS records contain no actual address. This lack of data to support facility matching of PCS facilities by FINDS with other program systems means that presently FINDS is unable to match 90,000 NPDES permittees with facilities from any other EPA or State facility regulatory system.

4.0 PENNSYLVANIA LOADING DATA ANALYSES SUMMARY

This section summarizes the results of the extensive loading data analyses conducted by McManis Associates on WENDB data residing in the EPA's Permit Compliance System (PCS) for all 402 major facilities in the State of Pennsylvania. Volume II presents the detailed results of these analyses, which are presented for each facility with a unique permit number. The report details the results of manual and computerized checks used to determine whether each major facility in the State contains potential problem data in those fields identified as affecting the accuracy of loadings.

RESULTS

The loading data analyses revealed that Pennsylvania facilities have several specific problem areas which could potentially affect the accuracy of loading calculations.

- 184 facilities (46%) have incorrectly assigned monitoring location codes to pipes, which may result in an over-estimation or under-estimation in the PCS load totalling program.
- 63 facilities (15%) have discharge pipes which do not report any of the required measurement data for certain parameters, which may result in an under-estimation in the PCS load totalling program.
- Four facilities (1%) have discharge points which report more months of measurement data than required by the NRPU, which may result in an over-estimation in the PCS load totalling program.

The analyses conducted and the issues identified are described in more detail in Volume II. As the potential problems identified in that volume are validated or corrected, it may be necessary to conduct additional investigations to detect and correct problems in the database.

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VOLUME II

PENNSYLVANIA

LOADING DATA QUALITY ANALYSES

PENNSYLVANIA LOADING QUALITY ANALYSES

1.0 EXECUTIVE SUMMARY

This report represents a compilation of the extensive analyses conducted on WENDB data residing in the EPA's Permit Compliance System (PCS). These analyses were conducted by the McManis Associates project team for all 402 major facilities in the State of Pennsylvania. The results of these analyses are summarized for each facility with a unique permit number in two segments. The report presents the results of manual and computerized checks used to determine whether each major facility in the State contains correct data in those fields identified as affecting the accuracy of loadings.

2.0 LOADING DATA QUALITY ISSUES AND ANALYSES

The following analyses were conducted to determine the quality of data for the 402 major facilities in the State of Pennsylvania for those fields identified as affecting the accuracy of loadings. The summary of each facility identifies all potential problems in the following critical areas:

- Monitoring Location Code (MLOC)
- Measurement Data Availability

2.1 MONITORING LOCATION CODE (MLOC)

Using an automated PCS retrieval that displays all pipe monitoring information, the McManis project team determined if a correct monitoring location code was coded for each parameter for all pipes in PCS. The guidance provided by EPA in the PCS user documentation specifically directs that only effluent monitoring location codes (1 or 2) be assigned to actual effluent discharge pipes. The McManis team identified any effluent discharge points that have incorrectly assigned non-effluent monitoring location codes to any parameter. The team also identified internal or non-effluent monitoring locations that have incorrectly assigned effluent monitoring location codes to any parameter.

2.2 Measurement Data Availability

Based on the application of the McManis developed Quality Assurance Procedures, the team conducted an automated analysis to validate whether the correct monitoring data was reported for each outfall, based upon the value entered in the Number of Units in the Reporting Period field (NRPU). For example, if the value of the NRPU for a given pipe is "003", (indicating quarterly reporting), only four measurements for that pipe should appear. Similarly, if twelve monthly measurements were entered for a parameter at a pipe, the NRPU should contain "001". Any discrepancies have been documented in Volume II.

The following process was used in this analysis:

- Manually ensured that monitoring location codes were correctly assigned to each parameter at each active pipe by examining facility provided maps and/or pipe descriptions.
- If not, classified that pipe for that parameter as having a questionably assigned monitoring location code. This pipe would not result in credible loading information without further examination.
- For each individual parameter for each effluent discharge point, determined the fields in which the monthly quantity and concentration averages data are stored.
- If that pipe appears to have a valid monitoring location code, checked that each parameter contained the correct number of monthly quantity average measurement data required by NRPU.

- If the correct number of measurement data was not reported, checked that each parameter contained the required monthly concentration average and Flow measurement data.
- If a pipe reported more than the required months of quantity or concentration and Flow measurement data, it was identified as having a potential problem which would result in over-estimation in the PCS load totalling program. This problem could be due to the incorrect use of the Report Designator.
- If a pipe reported less than the required months of quantity or concentration and Flow measurement data, it may still not be a problem for one or more of the following reasons:
 - Pipes are monitored on a seasonal basis.
 - Data is not produced for various reasons; i.e. missing or damaged sample
 - Pipe monitoring is optional or not required by the permit.
- Pipes that reported only a portion of the measurement data required after the above analysis are then identified as pipes for which "projected" loadings for the specific parameters can be calculated by the PCS load totalling program.
- Pipes which did not report any of the required measurements, thereby precluding any calculation or projection of loadings for that specific parameter, were identified as potential problems.

SUMMARY OF LOADING DATA QUALITY RESULTS

The results of the loading data quality analyses revealed that Pennsylvania facilities have several specific problem areas which could potentially affect the accuracy of loading calculations.

- 184 facilities (46%) have incorrectly assigned monitoring location codes to pipes, which may result in an over-estimation or under-estimation in the PCS load totalling program.
- 63 facilities (15%) have discharge pipes which do not report any of the required measurement data for certain parameters, which may result in an under-estimation in the PCS load totalling program.
- Four facilities (1%) have discharge points which report more months of measurement data than required by the NRPU, which may result in an over-estimation in the PCS load totalling program.

The following series of tables provide the specific parameters for each facility with the problems described above. Parameters needed to calculate effluent loadings are identified by their five-digit code. The outfall number immediately precedes these parameters. In addition, each table lists the effluent toxicity parameters (i.e., parameters that begin with the letter "T"). While these parameters cannot be used to calculate loadings, they have been included in order to assist Regions and States in ensuring the completeness and accuracy of their PCS data. Many PCS data field acronyms have been used in this section and further information on these acronyms may be referenced in the Data Element Dictionary.

FACILITY NUMBER: PA0001201
FACILITY NAME: POWEREX, INC

■ Zero months of measurement data reported

101A 00951, 01042, 01051, 01067

101B 01034

FACILITY NUMBER: PA0001236

FACILITY NAME: WESTINGHOUSE ELEC CORP-BEAVER

- Zero months of measurement data reported

002D 01032

FACILITY NUMBER: PA0001295

FACILITY NAME: ASHLAND PETROLEUM CO

- Zero months of measurement data reported

006A 00556, 00680

FACILITY NUMBER: PA0001562

FACILITY NAME: WHEELING-PGH STEEL CORP-ALLEN

- Zero months of measurement data reported

011A 01045

FACILITY NUMBER: PA0001619

FACILITY NAME: DUQUESNE LIGHT PHILLIPS POWER

■ **Zero months of measurement data reported**

002A 01022

201A 50050, 81398, 81399

301A 00530, 50050

401A 00530, 50050

601A 00530, 50050

701A 00530, 50050

801A 00530, 50050

FACILITY NUMBER: PA0001791

FACILITY NAME: GTE SYLVANIA INC WARREN

■ **Zero months of measurement data reported**

001B 01027

003A 00556

FACILITY NUMBER: PA0001988

FACILITY NAME: KOPPERS CO PETROLIA PA

■ Zero months of measurement data reported

014A 00680, 32730, 50050

016A 00680, 32730, 50050

018A 00680, 32730, 50050

025A 00680, 32730, 50050

117A 00530, 01045, 01105, 50050

FACILITY NUMBER: PA0002054
FACILITY NAME: PENELEC SEWARD

■ Questionably assigned monitoring location

004A 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0002062
FACILITY NAME: PENELEC KEYSTONE

- Questionably assigned monitoring location

303A 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0002062
FACILITY NAME: PENELEC KEYSTONE

■ Zero months of measurement data reported

003A 81399

703A 00530

903A 50050

FACILITY NUMBER: PA0002071
FACILITY NAME: BABCOCK AND WILCO

- Questionably assigned monitoring location

201A 00400

FACILITY NUMBER: PA0002135
FACILITY NAME: PENRECO-PENNZOIL CO

- Zero months of measurement data reported

001B 34694

FACILITY NUMBER: PA0002143

FACILITY NAME: PENNTECH PAPERS INC

- Zero months of measurement data reported

001A 50050

002A 50050

FACILITY NUMBER: PA0002208
FACILITY NAME: ZINC CORP OF AMERICA

- Questionably assigned monitoring location

002A 00300, 80082

FACILITY NUMBER: PA0002208

FACILITY NAME: ZINC CORP OF AMERICA

- Zero months of measurement data reported

005A 00530, 01002, 01027, 01032, 01051, 01147

FACILITY NUMBER: PA0002305

FACILITY NAME: ROBERTSHAW CO-NEW STANTON DIV

- Zero months of measurement data reported

201B 00556

FACILITY NUMBER: PA0002429
FACILITY NAME: SHARON STEEL-FARELL

■ Zero months of measurement data reported

004B 01002, 01097

005B 01002, 01027, 01042, 01059, 01067, 01147

103A 00556, 50050

104A 00530, 01045, 50050

404A 01045

FACILITY NUMBER: PA0002437

FACILITY NAME: SHENANGO INC-NEVILLE COKE&IRON

- Zero months of measurement data reported

001B 01042, 01045, 01051, 32730

FACILITY NUMBER: PA0002674
FACILITY NAME: WITCO CHEM CORP

■ Zero months of measurement data reported

002A 01077

004A 01077

FACILITY NUMBER: PA0002861

FACILITY NAME: AMG RESOURCES - VULCAN

- Zero months of measurement data reported

101A 00530, 00610, 00720, 00951, 01051, 01067, 01097, 01102, 50050

FACILITY NUMBER: PA0002895

FACILITY NAME: WEST PENN POWER - MITCHELL

- Zero months of measurement data reported

201A 00530, 00556, 50050

FACILITY NUMBER: PA0002917

FACILITY NAME: WEST PENN POWER - ARMSTRONG

■ **Questionably assigned monitoring location**

003A 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0002917

FACILITY NAME: WEST PENN POWER - ARMSTRONG

- Zero months of measurement data reported

102A 01042, 01045, 50050

FACILITY NUMBER: PA0002976
FACILITY NAME: ZIPPO MANUFACTURING COMPANY

■ **Zero months of measurement data reported**

001B 01012

003B 34423

FACILITY NUMBER: PA0002992

FACILITY NAME: BETHLEHEM STEEL CORP-JOHNSTOWN

- Zero months of measurement data reported

011B 01027, 01067, 01147

122B 01027, 01067, 32106, 34418, 34475, 71900

FACILITY NUMBER: PA0003603

FACILITY NAME: ARMCO STANILESS & ALLOY PRODUC

- Zero months of measurement data reported

003A 00556

008B 00011

FACILITY NUMBER: PA0003620

FACILITY NAME: PITTSBURGH FLATROLL CO.

- Zero months of measurement data reported

001A 01032, 01045, 01067

FACILITY NUMBER: PA0004073

FACILITY NAME: USS IRVIN PLANT

- Questionably assigned monitoring location

101A 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0004073

FACILITY NAME: USS IRVIN PLANT

■ Zero months of measurement data reported

401B 00720, 01027, 01034, 01042, 01051, 01077, 01092

501B 00720, 01027, 01034, 01042, 01051, 01067, 01077, 01092

FACILITY NUMBER: PA0004472

FACILITY NAME: USS,DIV. OF USX CORPORATION

- Zero months of measurement data reported

038B 00722, 32730

083B 00722, 01027, 01032, 01077, 32730

FACILITY NUMBER: PA0004979

FACILITY NAME: NEVILLE CHEMICAL COMPANY

- Questionably assigned monitoring location

003A 00400, 34601, 39700, 81551, 81570, 81708

FACILITY NUMBER: PA0005011
FACILITY NAME: PENELEC CONEMAUGH

■ Questionably assigned monitoring location

006A 00310, 00400, 00530, 74055, 80082

009A 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0005037
FACILITY NAME: PENELEC HOMER CITY

■ Questionably assigned monitoring location

007A 00300, 00400, 00530, 74055, 80082

008A 00300, 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0005061

FACILITY NAME: PENN POWER-NEW CASTLE

- Zero months of measurement data reported

003B 00530, 00556

FACILITY NUMBER: PA0006327

FACILITY NAME: ALLEGHENY LUDLUM STEEL CORP

■ **Zero months of measurement data reported**

001A 00011

002A 00011

004A 00011, 00400

005A 00011

006A 00011

006B 00530

007A 00011, 00556

009A 00011

011A 00011

012A 00011

013A 00011

014A 00011

FACILITY NUMBER: PA0007552

FACILITY NAME: EMPIRE KOSHER POULTRY/MIFFLINT

■ Questionably assigned monitoring location

001A 00300, 00400, 00530, 00556, 00610, 50060, 74055, 80082

FACILITY NUMBER: PA0008419
FACILITY NAME: MERCK & COMPANY

■ Zero months of measurement data reported

101A 00530, 00556

101B 00720, 01032, 01034, 01042, 01045, 01055, 01092, 01105, 39516

FACILITY NUMBER: PA0008443

FACILITY NAME: PP&L CO (MONTOUR)

■ Questionably assigned monitoring location

051A 00400, 00530, 50060, 74055, 80082

FACILITY NUMBER: PA0008443
FACILITY NAME: PP&L CO (MONTOUR)

- Zero months of measurement data reported

152B 01034, 01092

FACILITY NUMBER: PA0008451

FACILITY NAME: PP&L CO (SHAMOKIN DAM)

- More months of measurement data reported than required by NRPU or questionably assigned report designator

030C 00017

FACILITY NUMBER: PA0008508
FACILITY NAME: BURLE INDUSTRIES

■ Zero months of measurement data reported

001A 00556, 00665, 00722, 01042, 01077, 34694

201B 00011, 01034, 01042, 01092, 34506, 39180

FACILITY NUMBER: PA0008664
FACILITY NAME: UGI HUNLOCK

- Questionably assigned monitoring location

004A 00400, 50060, 74055, 80082

FACILITY NUMBER: PA0008664
FACILITY NAME: UGI HUNLOCK

■ Zero months of measurement data reported

003A 00530, 00556, 01045, 01055

005A 00530, 00556, 01045, 01055

FACILITY NUMBER: PA0008923

FACILITY NAME: CORNING ASAHI VIDEO PRODUCTS C

- Zero months of measurement data reported

001B 78141

FACILITY NUMBER: PA0009202
FACILITY NAME: CERRO METAL PRODUCTS

■ Zero months of measurement data reported

001A 74055

001B 39516

001C 34220, 39120

002A 00530, 00556

FACILITY NUMBER: PA0009733
FACILITY NAME: PHILA ELEC CO

■ Zero months of measurement data reported

003A 00530, 00556

301A 00530, 00556

401A 00530, 00556

FACILITY NUMBER: PA0010022
FACILITY NAME: PENN ELEC COMPANY

- Questionably assigned monitoring location

002A 50060

FACILITY NUMBER: PA0010502
FACILITY NAME: LETTERKENNY ARMY DEPOT/IW

- Zero months of measurement data reported

002A 00530

FACILITY NUMBER: PA0010782

FACILITY NAME: METROPOLITAN EDISON CO.

- Zero months of measurement data reported

006B 01034, 01092

FACILITY NUMBER: PA0011096

FACILITY NAME: SUN REFINING & MARKETING, INC

■ Zero months of measurement data reported

101A 00310, 00340, 00530, 00556, 01032, 01034, 32730, 50050

401A 00530, 50050

FACILITY NUMBER: PA0011134

FACILITY NAME: AT & T TECHNOLOGIES INC.

- Zero months of measurement data reported

101B 78141

201A 00720

FACILITY NUMBER: PA0011177

FACILITY NAME: BETHLEHEM STEEL CORP BETHLEHEM

■ **Zero months of measurement data reported**

016A 00556, 00610, 00720, 32730

108A 00530, 00556, 01042, 01051, 01092

208A 00530, 00556, 01042, 01051, 01092

209A 00530, 00556, 01042, 01051, 01092

215A 00530, 00556, 00610, 00720, 00722, 32730

714A 00530, 00556, 01042, 01051, 01092

FACILITY NUMBER: PA0011533
FACILITY NAME: CHEVRON USA, INC.

■ Zero months of measurement data reported

003A 00310, 00340, 00530, 00556, 00610, 00722, 00745, 01032, 01034, 34694, 50050

FACILITY NUMBER: PA0011622
FACILITY NAME: PHILA ELEC DELAWARE

■ Zero months of measurement data reported

001A 00011

004A 00011

005A 00011

009A 00011, 00530, 00556

FACILITY NUMBER: PA0012629

FACILITY NAME: ATLANTIC REFINING & MARKETING

- More months of measurement data reported than required by NRPU or questionably assigned report designator

002B 00556, 01092

FACILITY NUMBER: PA0012629

FACILITY NAME: ATLANTIC REFINING & MARKETING

■ Zero months of measurement data reported

001A 00556, 50050

004A 00556, 50050

FACILITY NUMBER: PA0012726

FACILITY NAME: CRESSONA ALUMINUM COMPANY

- Zero months of measurement data reported

003A 50050

FACILITY NUMBER: PA0012742

FACILITY NAME: ICI EXPLOSIVES USA, INC.

■ Zero months of measurement data reported

SW4A 50050

SW5A 50050

SW6A 50050

SW7A 50050

FACILITY NUMBER: PA0012751
FACILITY NAME: ZINC CORP OF AMERICA - PALMERT

■ Zero months of measurement data reported

001A 00017, 32102, 32106, 34030, 71900

003A 00530, 00556, 01027, 01042, 01051, 01077, 01092, 32102, 32106, 34030, 50050, 71900

004A 00017, 01042, 01051, 01077, 01092, 34030, 71900

005A 00017, 01042, 01051, 01077, 01092, 32106, 34030, 71900

006A 00530, 00556, 01027, 01051, 01092, 71900

007A 01027, 01051, 71900

008A 50050

010A 01027, 01042, 01051, 01077, 01092, 32102, 34030, 71900

012A 00530, 00556, 01027, 01042, 01051, 01077, 01092, 32106, 34030, 50050, 71900

013A 00530, 00556, 01027, 01051, 01092

014A 00530, 00556, 01027, 01042, 01051, 01092, 50050, 71900

015A 01042, 01051, 01077, 01092, 71900

016A 71900

017A 00530, 00556, 01027, 01051, 01092, 50050

018A 00530, 00556, 01027, 01051, 01092, 50050

019A 01092

020A 00530, 00556, 01027, 01042, 50050

021A 00530, 00556, 01027, 50050

022A 01042, 01051, 01092, 71900

023A 01042

COMA 01077

COMB 01027, 71900

FACILITY NUMBER: PA0012769

FACILITY NAME: ROHM & HAAS-DELAWARE VAL. INC.

- Zero months of measurement data reported

007A 50050

FACILITY NUMBER: PA0012777
FACILITY NAME: ROHM & HAAS-PHILADELPHIA

- Zero months of measurement data reported

SUMB 00680, 34531, 34541, 70300

FACILITY NUMBER: PA0012823
FACILITY NAME: PP&L MARTINS CREEK

■ Questionably assigned monitoring location

010A 00300, 00400, 74055

FACILITY NUMBER: PA0013129

FACILITY NAME: CARPENTER TECHNOLOGY

■ Zero months of measurement data reported

004A 00011, 50050

005A 00011

012A 00011, 01062

FACILITY NUMBER: PA0013714
FACILITY NAME: PHILA ELEC EDDYSTONE

■ Zero months of measurement data reported

003A 00530, 00556

010A 00530, 00556

FACILITY NUMBER: PA0013820
FACILITY NAME: ALLEGHENY LUDLUM STEEL

■ Questionably assigned monitoring location

103A 00530, 00556

104A 00530, 01034, 01067

FACILITY NUMBER: PA0020125

FACILITY NAME: MONACA BOROUGH MUNICIPAL AUTHO

- Questionably assigned monitoring location

001A 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0020257
FACILITY NAME: GROVE CITY BORO

- Questionably assigned monitoring location

001A 00300, 00400, 74055

FACILITY NUMBER: PA0020273

FACILITY NAME: MILTON MUNICIPAL AUTHORITY

■ Questionably assigned monitoring location

001A 00400, 01027, 01034, 01042, 01051, 01067, 01077, 01092, 50060, 71900, 74055,
80082

FACILITY NUMBER: PA0020290
FACILITY NAME: QUAKERTOWN STP

■ Questionably assigned monitoring location

001A 00300, 00400, 74055

001B 01027, 01051, 01092, 01105, 32730

FACILITY NUMBER: PA0020401
FACILITY NAME: JOHNSONBURG BORO

■ Questionably assigned monitoring location

006A 00400, 74055, 80082

FACILITY NUMBER: PA0020460

FACILITY NAME: PENN RIDGE WASTE WATER TREATME

■ Questionably assigned monitoring location

001A 00300, 00400, 74055, 80082

001B 00722, 01027, 01032, 01067, 01077, 01092, 32730, 34210, 34657, 71900

FACILITY NUMBER: PA0020486
FACILITY NAME: BELLEFONTE BORO

■ Questionably assigned monitoring location

001A 00300, 00400, 00610, 00666, 01042, 01051, 01077, 01092, 50060, 74055, 80082

FACILITY NUMBER: PA0020532

FACILITY NAME: UPPER MONTGOMERY JOINT SEWER A

- More months of measurement data reported than required by NRPU or questionably assigned report designator

001B 00310, 00530, 00665

FACILITY NUMBER: PA0020532

FACILITY NAME: UPPER MONTGOMERY JOINT SEWER A

- Questionably assigned monitoring location

001B 00300, 00400, 74055

FACILITY NUMBER: PA0020621

FACILITY NAME: WAYNESBORO BOROUGH AUTHORITY

■ Questionably assigned monitoring location

001A 00300, 00400, 01092, 50060, 74055

001B 01042

001C 39100, 39110

FACILITY NUMBER: PA0020664

FACILITY NAME: MIDDLETOWN WASTEWATER TREATMEN

■ **Questionably assigned monitoring location**

001A 00300, 00400, 00530, 00665, 50060, 74055, 80082

FACILITY NUMBER: PA0020826

FACILITY NAME: DOVER TOWNSHIP SEWER AUTHORITY

■ Questionably assigned monitoring location

001A 00300, 00400, 00530, 00610, 00665, 50060, 74055, 80082

FACILITY NUMBER: PA0020885

FACILITY NAME: MECHANICSBURG BOROUGH MUNICIPA

■ Questionably assigned monitoring location

001A 00300, 00400, 00610, 50060, 74055, 80082

FACILITY NUMBER: PA0021067

FACILITY NAME: MOUNT JOY SEWAGE TREATMENT PLA

- Questionably assigned monitoring location

001A 80082

FACILITY NUMBER: PA0021504

FACILITY NAME: WESTERN BUTLER COUNTY AUTH

■ Questionably assigned monitoring location

001A 00300, 00400, 00665, 80082

FACILITY NUMBER: PA0021580

FACILITY NAME: CATASAUQUA BOROUGH AUTHORITY

■ **Questionably assigned monitoring location**

001A 00300, 80082

001B 01042, 01051, 01077, 01092

FACILITY NUMBER: PA0021598

FACILITY NAME: CONNEAUT LAKE JOINT MUNICIPAL

- Questionably assigned monitoring location

001A 00400, 74055

FACILITY NUMBER: PA0021687

FACILITY NAME: WELLSBORO MUN AUTH

■ Questionably assigned monitoring location

001A 00300, 00400, 01027, 01034, 01042, 01051, 01092, 32106, 50060, 74055, 80082

FACILITY NUMBER: PA0021709
FACILITY NAME: BIRDSBORO BORO

- Questionably assigned monitoring location

001A 00300, 00400, 74055

FACILITY NUMBER: PA0021792
FACILITY NAME: EDINBORO BORO

■ **Questionably assigned monitoring location**

001A 00300, 00400, 74055

FACILITY NUMBER: PA0021814
FACILITY NAME: MANSFIELD BOROUGH STP

■ Questionably assigned monitoring location

001A 00400, 50060, 74055

FACILITY NUMBER: PA0021857
FACILITY NAME: SOUDERTON BORO

■ Questionably assigned monitoring location

001A 00300, 00310, 00400, 00530, 00610, 00665, 74055, 80082

001B 01077, 01092

FACILITY NUMBER: PA0021890

FACILITY NAME: NEW HOLLAND BORO AUTH

- Questionably assigned monitoring location

001A 00300, 00400, 01092, 50060, 74055

FACILITY NUMBER: PA0022047

FACILITY NAME: CROMPTON & KNOWLES CORPORATION

■ Zero months of measurement data reported

001B 32102, 32103, 32106, 34010, 34030, 34200, 34205, 34230, 34242, 34247, 34311, 34320, 34336, 34341, 34376, 34381, 34396, 34418, 34423, 34447, 34461, 34469, 34475, 34496, 34501, 34506, 34511, 34526, 34536, 34541, 34546, 34551, 34561, 34566, 34571, 34586, 34591, 34601, 34606, 34611, 34616, 34626, 34646, 34657, 34694, 34696, 37371, 39100, 39110, 39175, 39180, 39700, 39702

001C 34215, 34220, 34301

FACILITY NUMBER: PA0022209

FACILITY NAME: BEDFORD BOROUGH MUNICIPAL AUTH

■ Questionably assigned monitoring location

001A 00300, 00400, 00610, 50060, 74055

FACILITY NUMBER: PA0022241
FACILITY NAME: CALIFORNIA BORO

- Questionably assigned monitoring location

007A 00400, 74055

FACILITY NUMBER: PA0022292
FACILITY NAME: EBENSBURG BORO

■ Questionably assigned monitoring location

001A 00300, 00400, 00530, 00610, 00665, 74055, 80082

FACILITY NUMBER: PA0022535

FACILITY NAME: MILLERSBURG AREA AUTH. STP

- Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055, 80082

FACILITY NUMBER: PA0023043
FACILITY NAME: NORTH EAST BORO

■ Questionably assigned monitoring location

001A 00300, 00400, 01012, 01027, 01042, 01051, 01092, 01105, 74055, 80082

FACILITY NUMBER: PA0023108

FACILITY NAME: ELIZABETHTOWN BORO STP

- Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055, 80082

FACILITY NUMBER: PA0023124
FACILITY NAME: ALBION BORO

- Questionably assigned monitoring location

001A 00400, 00530, 00610, 00665, 74055, 80082

FACILITY NUMBER: PA0023213
FACILITY NAME: RIDGWAY BORO

■ Questionably assigned monitoring location

001A 00400, 74055, 80082

FACILITY NUMBER: PA0023256

FACILITY NAME: UPPER GWYNEDD TOWNSHIP AUTHORI

■ Questionably assigned monitoring location

001B 00722, 01027, 01042, 01059, 01092, 32101, 32106, 34030

001C 00300, 00400, 00530, 00610, 74055, 80082

001D 01012, 01032

FACILITY NUMBER: PA0023493
FACILITY NAME: HOLLIDAYSBURG BORO

■ Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055

FACILITY NUMBER: PA0023531
FACILITY NAME: DANVILLE MUN AUTH

■ Questionably assigned monitoring location

001A 00400, 00530, 50060, 74055, 80082

001B 01032, 01042, 01077

FACILITY NUMBER: PA0023701

FACILITY NAME: MIDLAND BOROUGH MUNICIPAL AUTH

- Questionably assigned monitoring location

001A 00400, 74055, 80082

FACILITY NUMBER: PA0023744

FACILITY NAME: NORTHEASTERN YORK COUNTY SEW.

- Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055

FACILITY NUMBER: PA0024058

FACILITY NAME: KENNETT SQUARE BORO

■ Questionably assigned monitoring location

001A 00300, 00400, 74055, 80082

001B 01027, 01042, 01051, 01077, 01092, 01105, 32106, 39340, 71900

001C 39350, 39570

FACILITY NUMBER: PA0024121
FACILITY NAME: MEDIA BORO

■ Questionably assigned monitoring location

001A 00300, 00400, 74055, 80082

FACILITY NUMBER: PA0024287
FACILITY NAME: PALMYRA BORO STP

■ Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055

FACILITY NUMBER: PA0024406

FACILITY NAME: MOUNT CARMEL BORO AUTH

■ Questionably assigned monitoring location

001A 00400, 50060, 74055, 80082

FACILITY NUMBER: PA0024694

FACILITY NAME: BEAVER BOROUGH MUNICIPAL AUTHO

- Questionably assigned monitoring location

001A 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0024902
FACILITY NAME: UPPER ALLEN TOWNSHIP

■ Questionably assigned monitoring location

001A 00300, 00400, 00530, 00665, 50060, 74055, 80082

FACILITY NUMBER: PA0025356
FACILITY NAME: MERCER BORO

■ Questionably assigned monitoring location

001A 00400, 00610, 74055, 80082

FACILITY NUMBER: PA0025674

FACILITY NAME: FRANKLIN TOWNSHIP SEWAGE TREAT

- Questionably assigned monitoring location

001A 00300, 00400, 74055

FACILITY NUMBER: PA0025917

FACILITY NAME: CHALFONT NEW BRITAIN JOINT SEW

■ Questionably assigned monitoring location

001A 00300, 00400, 00630, 00665, 74055

FACILITY NUMBER: PA0025933

FACILITY NAME: LOCK HAVEN CITY

■ Questionably assigned monitoring location

001A 00400, 00610, 01032, 01034, 50060, 71900, 74055, 80082

001B 34551, 34556

FACILITY NUMBER: PA0025941

FACILITY NAME: CANNONSBURG -HOUSTON STP

■ Questionably assigned monitoring location

001A 00300, 00400, 74055

FACILITY NUMBER: PA0025950
FACILITY NAME: MONONGAHELA STP

■ Questionably assigned monitoring location

001A 00400, 74055

FACILITY NUMBER: PA0025976

FACILITY NAME: UPPER MORELAND-HATBORO SEWAGE

■ Questionably assigned monitoring location

001A 00300, 00400, 00530, 00610, 74055, 80082

001B 01077, 32730, 34657

FACILITY NUMBER: PA0025992

FACILITY NAME: MCCANDLESS TWP SAN AUTH-LONGVU

■ Questionably assigned monitoring location

001A 00300, 00400, 00530, 00610, 74055, 80082

FACILITY NUMBER: PA0026018

FACILITY NAME: WEST CHESTER BOROUGH-TAYLOR RU

- Questionably assigned monitoring location

001A 00300, 00400, 00665, 01042, 74055

FACILITY NUMBER: PA0026034
FACILITY NAME: JOHNSTOWN CITY

- Questionably assigned monitoring location
020A 00310, 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0026069

FACILITY NAME: LATROBE MUNICIPAL AUTHORITY-ST

■ Questionably assigned monitoring location

001A 00300, 00400, 00610, 74055, 80082

FACILITY NUMBER: PA0026085

FACILITY NAME: UPPER MERION TWP. AUTH-MATSUNK

■ Questionably assigned monitoring location

002A 00300, 00400, 00530, 00610, 74055, 80082

002B 01077

FACILITY NUMBER: PA0026107

FACILITY NAME: WYOMING VALLEY SANITARY AUTHOR

- Questionably assigned monitoring location

001A 00400, 50060, 74055

FACILITY NUMBER: PA0026123

FACILITY NAME: COLUMBIA WASTEWATER TREATMENT

■ Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055, 80082

FACILITY NUMBER: PA0026140

FACILITY NAME: ROCHESTER AREA JOINT SEWER AUT

- Questionably assigned monitoring location

001A 00400, 74055

FACILITY NUMBER: PA0026158

FACILITY NAME: MON VALLEY SEWAGE AUTHORITY

- Questionably assigned monitoring location

001A 00400, 74055

FACILITY NUMBER: PA0026166

FACILITY NAME: WARMINSTER TWP. MUN. AUTH.

■ Questionably assigned monitoring location

001A 00300, 00400, 00610, 00630, 00665, 74055

002A 00300, 00400, 00530, 00610, 00630, 00665, 74055, 80082

FACILITY NUMBER: PA0026174
FACILITY NAME: FRANKLIN CITY STP

■ Questionably assigned monitoring location

001A 00400, 74055, 80082

FACILITY NUMBER: PA0026182

FACILITY NAME: LANSDALE SEWAGE TREATMENT PLAN

■ Questionably assigned monitoring location

001A 00300, 00400, 00630, 00665, 32730, 74055

002A 00400, 00530, 00610, 74055, 80082

FACILITY NUMBER: PA0026191
FACILITY NAME: HUNTINGTON BORO

■ Questionably assigned monitoring location

001A 00300, 00400, 00530, 01027, 50060, 74055

FACILITY NUMBER: PA0026204
FACILITY NAME: OIL CITY STP

- Questionably assigned monitoring location

001A 00400, 74055, 80082

FACILITY NUMBER: PA0026212

FACILITY NAME: WASHINGTON E. WASHINGTON

■ **Questionably assigned monitoring location**

001A 00011, 00300, 00400, 01067, 74055

001B 01027, 01032, 01077, 01092, 71900

FACILITY NUMBER: PA0026221

FACILITY NAME: DALLAS AREA MUNICIPAL AUTH.

■ Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055

FACILITY NUMBER: PA0026239

FACILITY NAME: UNIVERSITY AREA JT AUTH

■ Questionably assigned monitoring location

001A 00300, 00400, 50060, 50064, 74055

FACILITY NUMBER: PA0026255

FACILITY NAME: ALLEGHENY VALLEY JOINT SEWER A

- Questionably assigned monitoring location

001B 00400, 74055

FACILITY NUMBER: PA0026263

FACILITY NAME: YORK CITY WASTEWATER TMT PLANT

- Questionably assigned monitoring location

002A 00300, 00400, 74055

FACILITY NUMBER: PA0026280
FACILITY NAME: LEWISTOWN BORO

■ Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055

FACILITY NUMBER: PA0026301

FACILITY NAME: ERIE WASTEWATER TREATMENT PLAN

- Questionably assigned monitoring location

001A 00400, 74055

FACILITY NUMBER: PA0026328

FACILITY NAME: HOPEWELL TWP-RACoon CREEK STP

■ Questionably assigned monitoring location

011A 00300, 00400, 00530, 00610, 74055, 80082

FACILITY NUMBER: PA0026352

FACILITY NAME: CORAOPOLIS MUN. SANITARY AUTH.

- Questionably assigned monitoring location

001A 00400, 74055

FACILITY NUMBER: PA0026379

FACILITY NAME: BRADFORD SANITARY AUTH

■ Questionably assigned monitoring location

001A 00300, 00400, 00530, 00610, 74055, 80082

001B 00722, 01032, 01034, 01077, 32101, 32730, 34210, 34215, 34306, 34346, 34423,
34657, 34675

FACILITY NUMBER: PA0026387

FACILITY NAME: ST MARYS BORO MUN AUTH

■ Questionably assigned monitoring location

001A 00300, 00400, 74055, 80082

001B 00610, 01042, 01046, 01077, 01092

FACILITY NUMBER: PA0026395

FACILITY NAME: PENN HILLS TOWNSHIP-GASCOLA ST

- Questionably assigned monitoring location

001A 00300, 00400, 74055, 80082

FACILITY NUMBER: PA0026417

FACILITY NAME: PENN HILLS TOWNSHIP-PLUM CREEK

- Questionably assigned monitoring location

001B 00400, 74055, 80082

FACILITY NUMBER: PA0026433

FACILITY NAME: PENN HILLS TOWNSHIP-LONG ROAD

■ Questionably assigned monitoring location

001A 00300, 00400, 00530, 00610, 74055, 80082

FACILITY NUMBER: PA0026441

FACILITY NAME: LEMOYNE BOROUGH MUNICIPAL AUTH

- Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055, 80082

FACILITY NUMBER: PA0026450
FACILITY NAME: BRISTOL TOWNSHIP

- Questionably assigned monitoring location

001A 00400, 74055

FACILITY NUMBER: PA0026468

FACILITY NAME: LOWER BUCKS COUNTY JOINT MUNIC

- Questionably assigned monitoring location

001A 00300, 00400, 74055

FACILITY NUMBER: PA0026476

FACILITY NAME: COALDALE-LANSFORD-SUMMIT HILL

- Questionably assigned monitoring location

001A 00300, 00400, 00530, 50060, 74055

FACILITY NUMBER: PA0026484

FACILITY NAME: DERRY TOWNSHIP MUN. AUTH.

■ Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055, 80082

FACILITY NUMBER: PA0026506

FACILITY NAME: W MIFFLIN BORO-THOMPSON RUN ST

■ Questionably assigned monitoring location

001A 00300, 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0026531

FACILITY NAME: DOWNINGTOWN AREA REGIONAL AUT

■ Questionably assigned monitoring location

001A 00665

001B 00300, 00400, 00630, 01032, 32106, 74055, 78456

001C 34631, 39120, 39350, 39410

FACILITY NUMBER: PA0026549

FACILITY NAME: READING CITY - FRITZ ISLAND WW

■ Questionably assigned monitoring location

001A 00080, 00300, 00400, 74055, 80082

001B 00722, 01012, 01027, 01042, 01045, 01077, 01092, 01105, 32106, 32730, 34418,
34657, 39120, 71900

FACILITY NUMBER: PA0026557

FACILITY NAME: SUNBURY CITY MUN AUTH

■ Questionably assigned monitoring location

001A 80082

001B 01042, 01092, 34694

FACILITY NUMBER: PA0026581

FACILITY NAME: WESTMORELAND-FAYETTE MUN SEWAG

- Questionably assigned monitoring location

001A 00300, 00400, 74055

FACILITY NUMBER: PA0026603

FACILITY NAME: AMBLER WASTE WATER TREATMENT P

- Zero months of measurement data reported

001B 01067, 01092

FACILITY NUMBER: PA0026638

FACILITY NAME: WYOMISSING VALLEY JOINT MUN AU

■ Questionably assigned monitoring location

001A 00300, 00400, 74055

001B 01077

FACILITY NUMBER: PA0026646

FACILITY NAME: ANTIETEM VALLEY MUNICIPAL AUTH

■ Questionably assigned monitoring location

001A 00300, 00400, 74055

FACILITY NUMBER: PA0026654

FACILITY NAME: NEW CUMBERLAND BORO AUTH-STP

- Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055, 80082

FACILITY NUMBER: PA0026662

FACILITY NAME: PHILA WATER DEPT - SE STP

■ Questionably assigned monitoring location

001A 00400, 00610, 00625, 00722, 01007, 01012, 01027, 01046, 01051, 01067, 01077,
01092, 01102, 01105, 01152, 32101, 32106, 32730, 34306, 34423, 34461, 34475,
34694, 39508, 71850, 71900, 74055, 81010, 82210

FACILITY NUMBER: PA0026701

FACILITY NAME: MORRISVILLE BORO MUN AUTH - ST

- Questionably assigned monitoring location

001A 00300, 00400, 74055

FACILITY NUMBER: PA0026735
FACILITY NAME: SWATARA TWP AUTH

■ Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055

FACILITY NUMBER: PA0026743

FACILITY NAME: LANCASTER STP-SOUTH PLANT

■ Questionably assigned monitoring location

001A 00300, 00400, 00530, 00610, 00665, 50060, 74055, 80082

FACILITY NUMBER: PA0026751

FACILITY NAME: INDIANA BORO STP

- Questionably assigned monitoring location

001A 00300, 00400, 74055

FACILITY NUMBER: PA0026786

FACILITY NAME: POTTSTOWN BORO COUNCIL-WWTR.TR

- Questionably assigned monitoring location

001A 00400, 34694, 74055, 80082

FACILITY NUMBER: PA0026786

FACILITY NAME: POTTSTOWN BORO COUNCIL-WWTR.TR

- Zero months of measurement data reported

001B 01027, 01051, 01067, 01077, 01092, 32730

FACILITY NUMBER: PA0026794

FACILITY NAME: CONSHOHOCKEN SEW TREAT. PLT.

■ Questionably assigned monitoring location

001A 00310, 00400, 32730, 74055, 80082

FACILITY NUMBER: PA0026832
FACILITY NAME: ELLWOOD BORO STP

■ Questionably assigned monitoring location

001A 00400, 00722, 74055

001B 01027, 01062, 01067, 01092, 32106, 71900

FACILITY NUMBER: PA0026841

FACILITY NAME: OAKMONT BORO MUN AUTH-STP

- Questionably assigned monitoring location

001A 00300, 00310, 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0026859

FACILITY NAME: COATESVILLE CITY AUTHORITY

■ Questionably assigned monitoring location

001A 00300, 00400, 00530, 00951, 74055, 80082

001B 00665

FACILITY NUMBER: PA0026875

FACILITY NAME: HANOVER AREA REGIONAL WWTF

- Questionably assigned monitoring location

001A 00400, 50060, 74055

FACILITY NUMBER: PA0026883

FACILITY NAME: BEAVER FALLS STP,CITY OF

- Questionably assigned monitoring location

SUMA 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0026905
FACILITY NAME: CONNELLSVILLE MUN.AUTH-STP

- Questionably assigned monitoring location

001B 00310, 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0026921

FACILITY NAME: GREATER HAZELTON SEWAGE TREATM

- Questionably assigned monitoring location

001A 00400, 50060, 74055

FACILITY NUMBER: PA0026964

FACILITY NAME: MONTGOMERY COUNTY SEWER AUTHOR

■ **Questionably assigned monitoring location**

001A 00400, 00530, 00610, 01051, 01067, 32730, 74055, 80082

FACILITY NUMBER: PA0026972

FACILITY NAME: EXETER TOWNSHIP WWTR TRTMT PLT

- Zero months of measurement data reported

001B 01022, 01042, 01077, 01102, 32730

FACILITY NUMBER: PA0027006

FACILITY NAME: TAMAQUA BOROUGH AUTHORITY-STP

■ Questionably assigned monitoring location

001A 00310

001B 00300, 00400, 00530, 00610, 01027, 01042, 01051, 32730, 50060, 74055, 80082

FACILITY NUMBER: PA0027014

FACILITY NAME: ALTOONA CITY AUTHORITY-EASTERL

- Zero months of measurement data reported

001A 01027, 01032, 01042, 01067, 01092, 50060, 71900, 74055

FACILITY NUMBER: PA0027031

FACILITY NAME: WEST CHESTER BOROUGH-GOOSE CRE

■ Questionably assigned monitoring location

001A 00300, 00400, 01051, 01102, 01105, 74055

001B 01027, 01062, 01092, 32106, 32730

FACILITY NUMBER: PA0027049

FACILITY NAME: WILLIAMSPORT SAN AUTH(WEST)

■ Questionably assigned monitoring location

001A 00400, 01027, 01034, 01042, 01051, 01067, 01077, 01092, 32106, 50060, 71900,
74055

001B 32101, 32104, 34306, 34413, 34418

FACILITY NUMBER: PA0027057

FACILITY NAME: WILLIAMSPORT SAN AUTH(CENTRAL)

■ Questionably assigned monitoring location

001A 00400, 00722, 01027, 01034, 01042, 01051, 01067, 01077, 01092, 50060, 71900,
74055

001B 32101, 32104, 34306, 34413, 34418

FACILITY NUMBER: PA0027111

FACILITY NAME: NEW KENSINGTON CITY MUNICIPAL

- Questionably assigned monitoring location

001A 00400, 74055, 80082

FACILITY NUMBER: PA0027120

FACILITY NAME: WARREN CITY SANITARY AUTHORITY

- Questionably assigned monitoring location

001A 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0027138

FACILITY NAME: SHARON SEWER SYSTEM, CITY OF

- Questionably assigned monitoring location

001A 00400, 00610, 01051, 01092, 74055, 80082

FACILITY NUMBER: PA0027146

FACILITY NAME: AMBRIDGE BOROUGH MUNICIPAL AUT

- Questionably assigned monitoring location

001A 00400, 74055

FACILITY NUMBER: PA0027171

FACILITY NAME: BLOOMSBURG MUN AUTH

■ **Questionably assigned monitoring location**

001A 00400, 50064, 74055

FACILITY NUMBER: PA0027189

FACILITY NAME: LOWER ALLEN TOWNSHIP AUTHORITY

- Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055, 80082

FACILITY NUMBER: PA0027197

FACILITY NAME: HARRISBURG WATER AND SEWER AUT

■ Questionably assigned monitoring location

001A 00300, 00400, 00610, 50060, 74055, 80082

001C 01012, 01092, 32106

FACILITY NUMBER: PA0027227

FACILITY NAME: FARRELL SANITARY SEWERAGE SYST

- Questionably assigned monitoring location

001A 00400, 00610, 01027, 74055, 80082

FACILITY NUMBER: PA0027235
FACILITY NAME: EASTON CITY

- More months of measurement data reported than required by NRPU or questionably assigned report designator

001B 00530, 00610, 80082

FACILITY NUMBER: PA0027235
FACILITY NAME: EASTON CITY

■ Questionably assigned monitoring location

001B 00300, 00400, 01027, 01037, 01045, 01067, 32106, 32730, 34475, 74055

FACILITY NUMBER: PA0027316

FACILITY NAME: LEBANON CITY AUTH - SEW TREATM

■ Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055

FACILITY NUMBER: PA0027324

FACILITY NAME: SHAMOKIN-COAL TWP JT SAN AUTH

■ Questionably assigned monitoring location

001A 00400, 50060, 74055

FACILITY NUMBER: PA0027375
FACILITY NAME: DUBOIS CITY

■ Questionably assigned monitoring location

001A 00300, 00400, 00530, 00610, 50060, 74055, 80082

FACILITY NUMBER: PA0027383

FACILITY NAME: SOUTHWEST DELAWARE COUNTY MUNI

■ Questionably assigned monitoring location

001A 00300, 00400, 00610, 74055

001B 00722, 01027, 01032, 01033, 01042, 01067, 01077, 32730, 34210, 34215, 34346

FACILITY NUMBER: PA0027391

FACILITY NAME: UPPER ALLEGHENY STP

■ **Questionably assigned monitoring location**

001A 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0027405

FACILITY NAME: EPHRATA BOROUGH WASTEWATER TRE

■ Questionably assigned monitoring location

001A 00400, 50060, 74055, 80082

FACILITY NUMBER: PA0027456

FACILITY NAME: GREATER GREENSBURG SEWAGE AUTH

■ Questionably assigned monitoring location

001A 00300, 00400, 00610, 32730, 74055, 80082

FACILITY NUMBER: PA0027464

FACILITY NAME: PLEASANT HILLS AUTHORITY-WASTE

- Questionably assigned monitoring location

001A 00300, 00400, 74055

FACILITY NUMBER: PA0027481
FACILITY NAME: PENN POWER

■ Questionably assigned monitoring location

009A 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0027511

FACILITY NAME: NEW CASTLE SANITARY AUTH - WAT

■ Questionably assigned monitoring location

001A 00310, 00400, 00720, 01059, 01077, 01102, 74055, 80082

001B 00610

FACILITY NUMBER: PA0027553
FACILITY NAME: PINE CREEK MA-STP

■ Questionably assigned monitoring location

001A 00400, 01027, 01034, 01042, 01045, 01051, 01067, 01077, 01092, 32106, 34694,
39340, 50060, 71900, 74055, 80082

FACILITY NUMBER: PA0027570

FACILITY NAME: WESTERN WESTMORELAND STP

- Questionably assigned monitoring location

001A 00400, 74055

FACILITY NUMBER: PA0027618

FACILITY NAME: BETHEL PARK STP

- Questionably assigned monitoring location

001A 00300, 00400, 74055, 80082

FACILITY NUMBER: PA0027626

FACILITY NAME: KISKI VALLEY WATER POLLUTION C

■ Questionably assigned monitoring location

001A 00400, 00530, 01027, 01092, 32106, 74055, 80082

001B 01503, 03503, 03505

FACILITY NUMBER: PA0027669

FACILITY NAME: MCCANDLESS TWP SAN AUTH-PINE C

- Questionably assigned monitoring location

001A 00300, 00400, 00530, 00610, 74055, 80082

FACILITY NUMBER: PA0027715
FACILITY NAME: MILL SERVICE INC

- Zero months of measurement data reported

001B 01077

FACILITY NUMBER: PA0028380

FACILITY NAME: TINICUM TOWNSHIP WASTEWATER TR

- Questionably assigned monitoring location

001A 00400, 74055

FACILITY NUMBER: PA0028487

FACILITY NAME: HERMITAGE CITY MUNICIPAL AUTHO

■ Questionably assigned monitoring location

001A 00400, 00530, 00610, 01042, 01077, 74055, 80082

FACILITY NUMBER: PA0028568

FACILITY NAME: BANGOR WASTEWATER TREATMENT P

■ Questionably assigned monitoring location

001A 00300, 00400, 00610, 74055

FACILITY NUMBER: PA0028584

FACILITY NAME: WEST GOSHEN SEWAGE TREATMENT P

■ Questionably assigned monitoring location

001A 74055

002A 74055

FACILITY NUMBER: PA0028681
FACILITY NAME: KELLY TWP MUN AUTH

■ Questionably assigned monitoring location

001A 00400, 00720, 01027, 01034, 01042, 01051, 01067, 01077, 01092, 50060, 71900,
74055, 80082

FACILITY NUMBER: PA0030643

FACILITY NAME: SHIPPENSBURG BOROUGH AUTHORITY

■ Questionably assigned monitoring location

001A 00300, 00400, 00722, 50060, 74055, 80082

FACILITY NUMBER: PA0031127

FACILITY NAME: NORTHAMPTON MUN. WASTEWATER TR

- Questionably assigned monitoring location

001A 00300, 00400, 74055

FACILITY NUMBER: PA0031135

FACILITY NAME: KUTZTOWN MUN AUTH MUN SEW TREA

- Questionably assigned monitoring location

001A 00300, 00400, 74055

FACILITY NUMBER: PA0032611

FACILITY NAME: PORTAGE SEWAGE TREATMENT PLANT

- Questionably assigned monitoring location

001A 00400, 74055, 80082

FACILITY NUMBER: PA0033367

FACILITY NAME: GUNNISON BROTHERS TANNERY

- Zero months of measurement data reported

001B 01032, 01042, 01051, 01067, 01092, 32106, 34301, 34423, 34621, 34694, 71900

FACILITY NUMBER: PA0033430

FACILITY NAME: ROAMINGWOOD SEWER AND WATER AS

- Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055, 80082

FACILITY NUMBER: PA0034576
FACILITY NAME: TOWANDA MUN AUTH

■ **Questionably assigned monitoring location**

001B 00400, 50060, 74055

FACILITY NUMBER: PA0036293

FACILITY NAME: ROBINSON TWP M/A CAMPBELLS RUN

- Questionably assigned monitoring location

001A 00400, 74055

FACILITY NUMBER: PA0036650

FACILITY NAME: TITUSVILLE SEWAGE TREATMENT PL

- Questionably assigned monitoring location

001A 00400, 00610, 74055

FACILITY NUMBER: PA0037044

FACILITY NAME: FORD CITY WASTEWATER TREATMENT

■ Questionably assigned monitoring location

001A 00400, 74055

FACILITY NUMBER: PA0037966

FACILITY NAME: MOSHANNON VALLEY JT SAN AUTH

- Questionably assigned monitoring location

001A 00400, 50060, 74055

FACILITY NUMBER: PA0039004

FACILITY NAME: UPPER GWYNEDD-TOWAMENCIN MUN

■ Questionably assigned monitoring location

BOXA 00300, 00400, 00530, 00610, 00665, 74055, 80082

BOXB 00722, 01027, 01032, 01042, 01051, 01067, 01077, 01092, 71900

FACILITY NUMBER: PA0041742

FACILITY NAME: NAZARETH BOROUGH MUNICIPAL AUT

- Questionably assigned monitoring location

001A 00300, 00310, 00400, 74055, 80082

FACILITY NUMBER: PA0042234
FACILITY NAME: KITTANNING BORO

■ Questionably assigned monitoring location

001A 00400, 74055, 80082

FACILITY NUMBER: PA0042269

FACILITY NAME: LANCASTER AREA SEWER AUTHORITY

- Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055

FACILITY NUMBER: PA0043052

FACILITY NAME: SPRING TOWNSHIP SEWAGE TREATME

- Questionably assigned monitoring location

001B 00300, 00310, 00400, 00530, 00610, 74055, 80082

FACILITY NUMBER: PA0043257

FACILITY NAME: NEW FREEDOM WWTP

■ Questionably assigned monitoring location

001A 00300, 00400, 01042, 01045, 01051, 01055, 01067, 01092, 01105, 50060, 74055

FACILITY NUMBER: PA0043273

FACILITY NAME: HOLLIDAYSBURG REGIONAL WWTP

■ Questionably assigned monitoring location

001A 00300, 00400, 50060, 74055

FACILITY NUMBER: PA0043729

FACILITY NAME: HAMPTON TWP.-ALLISON PARK STP

■ Questionably assigned monitoring location

001A 00300, 00400, 00530, 00610, 74055, 80082

FACILITY NUMBER: PA0043885

FACILITY NAME: GREATER POTTSVILLE SEWER AUTH

- Questionably assigned monitoring location

001A 00300, 00400, 00530, 50060, 74055, 80082

FACILITY NUMBER: PA0043974

FACILITY NAME: VALLEY FORGE SEWER AUTHORITY

- Questionably assigned monitoring location

001A 00300, 00400, 39516, 74055

FACILITY NUMBER: PA0044342
FACILITY NAME: INTERNATIONAL JENSEN

- Zero months of measurement data reported

001B 01027, 01042, 01051, 01067, 78141

FACILITY NUMBER: PA0044661

FACILITY NAME: LEWISBURG AREA JT SA/COLLEGE P

■ Questionably assigned monitoring location

001A 00400, 01027, 01042, 01051, 01077, 01092, 50060, 71900, 74055, 80082

FACILITY NUMBER: PA0044679

FACILITY NAME: PIGEON CREEK SANITARY AUTHORITY

- Questionably assigned monitoring location

001A 00400, 00530, 00610, 74055, 80082

FACILITY NUMBER: PA0045985

FACILITY NAME: MOUNTAINTOP AREA WSTWTR TMT FA

■ **Questionably assigned monitoring location**

001A 00300, 00400, 50060, 74055

001B 00951, 01051, 32102, 32106, 34475

FACILITY NUMBER: PA0045985

FACILITY NAME: MOUNTAINTOP AREA WSTWTR TMT FA

- Zero months of measurement data reported

001A 01092

FACILITY NUMBER: PA0047325

FACILITY NAME: SUSQUEHANNA STEAM ELECTRIC STA

- Questionably assigned monitoring location

079A 00400, 00530, 50064, 74055, 80082

FACILITY NUMBER: PA0047325

FACILITY NAME: SUSQUEHANNA STEAM ELECTRIC STA

■ **Zero months of measurement data reported**

070A 00530, 00556

271A 00530, 00556, 50050

471A 00530, 00556, 50050

FACILITY NUMBER: PA0050903

FACILITY NAME: STANLEY G. FLAGG & COMPANY INC

- Questionably assigned monitoring location

005A 00011, 00400

FACILITY NUMBER: PA0050903

FACILITY NAME: STANLEY G. FLAGG & COMPANY INC

- Zero months of measurement data reported

004B 01042, 01051, 01067, 01092

FACILITY NUMBER: PA0051934
FACILITY NAME: LIMERICK TWP MUN AUTH

■ Questionably assigned monitoring location

001B 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0052167

FACILITY NAME: WIND GAP MUNICIPAL AUTHORITY

- Questionably assigned monitoring location

001A 00300, 00400, 00530, 00610, 01042, 01092, 32730, 74055, 80082

FACILITY NUMBER: PA0053147

FACILITY NAME: UPPER SAUCON TWP. MUN AUTH

■ Questionably assigned monitoring location

001A 00300, 00400, 00530, 00610, 74055, 80082

FACILITY NUMBER: PA0070386

FACILITY NAME: SHENANDOAH MUNICIPAL SEWAGE AU

■ Questionably assigned monitoring location

001A 00400, 50060, 74055

FACILITY NUMBER: PA0070505
FACILITY NAME: IMCERA GROUP, INC.

- Zero months of measurement data reported

101A 71880

FACILITY NUMBER: PA0091782

FACILITY NAME: W HILLS AREA WATER POLLUTION

- Questionably assigned monitoring location

001A 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0094510

FACILITY NAME: USS STEEL EDGAR THOMPSON

- **Zero months of measurement data reported**

008B 01027

009B 01027

FACILITY NUMBER: PA0095087

FACILITY NAME: CHIPPEWA TOWNSHIP SANITARY

- Questionably assigned monitoring location

001A 00400, 00530, 74055, 80082

FACILITY NUMBER: PA0110582

FACILITY NAME: SELINGSGROVE MUN AUTH

- Questionably assigned monitoring location

001A 00400, 50064, 74055

FACILITY NUMBER: PA0110591
FACILITY NAME: SCM CORP

- Zero months of measurement data reported

001C 01012