pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northcentral Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0112275**
Facility Type	**Industrial**	APS ID	**1040238**
Major / Minor	**Minor**	Authorization ID	**1356855**

NPDES PERMIT FACT SHEET INDIVIDUAL INDUSTRIAL WASTE (IW) AND IW STORMWATER

Applicant and Facility Information

Applicant Name	**Con-Lime, Inc.**	Facility Name	**Con-Lime Bellefonte Facility**
Applicant Address	375 Graymont Road	Facility Address	590 Lower Gyp Road
	Bellefonte, PA 16823-6869		Bellefonte, PA 16823
Applicant Contact	Lacey Haney	Facility Contact	Lacey Haney
Applicant Phone	(814) 357-4503	Facility Phone	(814) 357-4503
Client ID	8336	Site ID	247917
SIC Code	3274	Municipality	Benner Township
SIC Description	Manufacturing - Lime	County	Centre
Date Application Received	June 3, 2021	EPA Waived?	Yes
Date Application Accepted	June 16, 2021	If No, Reason	

Purpose of Application: Renewal of a NPDES Permit

Summary of Review

The Con-Lime Bellefonte facility is a limestone processing facility which includes an inactive underground limestone mine in Benner Township, Centre County. Con-Lime is a Graymont Company. A map indicating the discharge location is attached (Attachment A).

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Approve	Deny	Signatures	Date
X		Keith C. Allison Keith C. Allison / Project Manager	November 8, 2021
X		Nicholas W. Hartranft Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	November 9, 2021

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	4.1
Latitude	40º 53' 31"	Longitude	-77º 50' 4"
Quad Name	Bellefonte, PA	Quad Code	
Wastewater Description:	Stormwater and mine dewatering water		
Receiving Waters	Buffalo Run	Stream Code	22972
NHD Com ID	67179296	RMI	3.4
Drainage Area	23 mi^2	Yield (cfs/mi^2)	0.243
Q_{7-10} Flow (cfs)	5.66	Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	840	Slope (ft/ft)	Undetermined
Watershed No.	9-C	Chapter 93 Class.	HQ-CWF, MF
Existing Use	N/A	Existing Use Qualifier	N/A
Exceptions to Use	None	Exceptions to Criteria	None
Assessment Status	Attaining Use(s)		
Nearest Downstream Public Water Supply Intake	PA American Water Company @ Milton, PA		
PWS Waters	West Branch Susquehanna River	Distance from Outfall (mi)	Approx. 92

Comments: Outfall 001 has been broken into two internal monitoring points (IMPs) as noted below. Discharge from these sources is through a series of three settling basins. The final basin discharges infrequently.

- IMP 101 – Uncontaminated stormwater as well as stormwater runoff potentially contaminated by former limestone stockpiles (also referred to as Non-process Wastewater).

- IMP 201 – Limestone mine dewatering water. Pumping of the mine water ceased around 2003 but the permittee wishes to keep coverage for these discharges in the permit in case the mine dewatering ever resumes.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	102	Design Flow (MGD)	0.22
Latitude	40º 53' 31"	Longitude	-77º 50' 4"
Quad Name	Bellefonte, PA	Quad Code	
Wastewater Description:	Stormwater		
Receiving Waters	Buffalo Run	Stream Code	22972
NHD Com ID	67179296	RMI	3.8
Drainage Area	23 mi^2	Yield (cfs/mi^2)	0.243
Q_{7-10} Flow (cfs)	5.66	Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	860	Slope (ft/ft)	Undetermined
Watershed No.	9-C	Chapter 93 Class.	HQ-CWF, MF
Existing Use	N/A	Existing Use Qualifier	N/A
Exceptions to Use	None	Exceptions to Criteria	None
Nearest Downstream Public Water Supply Intake	PA American Water Company		
PWS Waters	West Branch Susquehanna River	Distance from Outfall (mi)	Approx. 92

Comments: Outfall 102 receives flow from a mixture of uncontaminated and potentially contaminated stormwater like 101. Discharge is through a settling basin that discharges infrequently. Outfall 002 also previously received flow of non-contaminated cooling water flow limestone kilns which the permittee did not expect to ever resume and therefore, these NCCW discharges were removed in the previous permit.

- IMP 102 – Uncontaminated stormwater as well as stormwater runoff potentially contaminated by former limestone stockpiles (also referred to as Non-process Wastewater).

Discharges of Stormwater Runoff
As a SIC code 3274 facility, stormwater discharges from the facility are subject to the requirements of 40 CFR 122.26(b)(14). Both of the outfalls receive a combination of both stormwater which is not expected to be affected by limestone storage piles and stormwater which potentially is, as noted above. As a SIC Code 3274 facility, it would be subject to Appendix N of the PAG-03 permit for discharges of Stormwater from Industrial Activities. Appendix N requires twice per year sampling of stormwater outfalls for pH, TSS, Total Aluminum, and Total Iron. This monitoring is included in the existing permit and will continue for suboutfalls 101 and 102. Appendix N includes Benchmark values for pH and TSS which will be included in Part C of this permit.

Compliance History	
Summary of DMRs:	A review of the DMRs for the past found that discharge from outfall 101 has been intermittent and no effluent violations have been seen. Discharge has not occurred at 102 or 201 over the past permit term.
Summary of Inspections:	The facility was most recently inspected by the Department on March 12, 2020. This inspection noted no violations at the facility.

Other Comments: A WMS query found no open violations for Con-Lime, Inc. or Graymont, Inc. in eFACTS.

Existing Effluent Limitations and Monitoring Requirements – Outfalls 101 and 102

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	Report	XXX	XXX	Report	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Existing Effluent Limitations and Monitoring Requirements – Outfall 201

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	Daily when Discharging	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Weekly when Discharging	Grab
Total Suspended Solids	Report	Report	XXX	30.0	45.0	60	Monthly When Discharging	Grab
Aluminum, Total	Report	Report	XXX	Report	Report	XXX	Monthly When Discharging	Grab
Iron, Total	Report	Report	XXX	Report	Report	XXX	Monthly When Discharging	Grab

Development of Effluent Limitations

Outfall No. 101 **Design Flow (MGD)** 4.1
Wastewater Description: Process wastewater (potentially contaminated stormwater runoff)

Best Professional Judgment (BPJ) Limitations

Suboutfall 101 receives runoff from limestone storage areas which could impact the quality of surface runoff. The existing which includes monitoring for parameters that the Department believes to potentially impact the runoff from these areas will remain. These parameters include pH, Total Suspended Solids, Total Iron and Total Aluminum as noted in the Discharges of Stormwater Runoff section above.

Development of Effluent Limitations

Outfall No. 102 **Design Flow (MGD)** 0.22
Wastewater Description: Process wastewater (potentially contaminated stormwater runoff)

Best Professional Judgment (BPJ) Limitations

Suboutfall 102 receives runoff from limestone storage areas which could impact the quality of surface runoff. The existing which includes monitoring for parameters that the Department believes to potentially impact the runoff from these areas will remain. These parameters include pH, Total Suspended Solids, Total Iron and Total Aluminum as noted in the Discharges of Stormwater Runoff section above.

Development of Effluent Limitations

Outfall No. 201 **Design Flow (MGD)** 0
Latitude 40º 53' 32.0" **Longitude** -77º 50' 3.60"
Wastewater Description: Limestone mine dewatering

As mentioned above, this discharge has not occurred in years and is being included in case the permittee should ever resume the mine dewatering.

Technology-Based Limitations

The discharge has existing BPJ limitations for Outfall 001 as listed below which will continue in the permit under Suboutfall 201.

Parameter	Limit (mg/l)	SBC
Total Suspended Solids	30	Average Monthly
	45	Average Weekly
pH	6.0 – 9.0 S.U.	Min – Max
Total Iron	Monitoring	---
Total Aluminum	Monitoring	---

Antidegradation
Because no new or increased discharges are proposed the antidegradation requirements of 25 PA Code 93.4c and the Department's Antidegradation Implementation Guidance (391-0300-002) are not applicable at this time.

Water Quality-Based Limitations

No additional "Reasonable Potential Analysis" was performed to determine additional parameters as candidates for limitations due to the lack of available data.

However, the following condition will remain in Part C of the permit requiring the permittee to notify the Department when the mine water discharge will resume and perform the required application sampling within 6 months of resuming operations.

1. The permittee shall notify the Department in writing at least 60 days prior to recommencing operations of mine dewatering at the facility and the notice shall include any proposed changes in operation from those currently permitted.

2. Refer to Part A.III.C.1. and A.III.C.2. of this NPDES Permit regarding planned changes to the facility or waste stream if the permittee intends any changes in operations from those currently permitted. Such changes may require approval by the Department through a NPDES Permit amendment prior to implementation.

3. Within six months after restarting mine dewatering operations at the facility, the permittee must submit complete NPDES Permit application information for the mine dewatering water including, but not limited to, complete discharge information and all required application monitoring. All effluent monitoring should meet the Department's Target Quantitation Limits (QLs) in order to give the Department adequate information to conduct a reasonable potential analysis. The Department will evaluate the application to determine whether additional monitoring or effluent limitations or other permit conditions should be included in the NPDES Permit.

4. Changes to any treatment process may also require approval through a Water Quality Management Permit pursuant to the Clean Streams Law and 25 Pa Code §91 prior to implementation.

Chesapeake Bay/Nutrient Requirements

The Con-Lime Bellefonte Facility is an insignificant IW facility for Chesapeake Bay discharge permitting pursuant to the Phase III Watershed Implementation Plan (WIP). As a limestone mining discharge this is not expected to contribute to the nutrient load of the watershed. Nutrient loadings should be well under the thresholds of 75 lbs/day and 25 lbs/day for Total Nitrogen and Total Phosphorus, respectively, in the WIP. Therefore, because the discharge is not expected to cause a net addition of nutrients to the watershed no cap loads or regular nutrient monitoring are necessary.

Anti-Backsliding

Consistent with the anti-backsliding provisions of the Clean Water Act and 40 CFR 122.44(l), no proposed limits have been made less stringent.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 101, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	Report	XXX	XXX	Report	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 101

Other Comments: None

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 102, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	Report	XXX	XXX	Report	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Aluminum	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 102

Other Comments: None

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 201, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	Daily when Discharging	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Weekly when Discharging	Grab
Total Suspended Solids	Report	Report	XXX	30.0	45.0	60	Monthly When Discharging	Grab
Aluminum, Total	Report	Report	XXX	Report	Report	XXX	Monthly When Discharging	Grab
Iron, Total	Report	Report	XXX	Report	Report	XXX	Monthly When Discharging	Grab

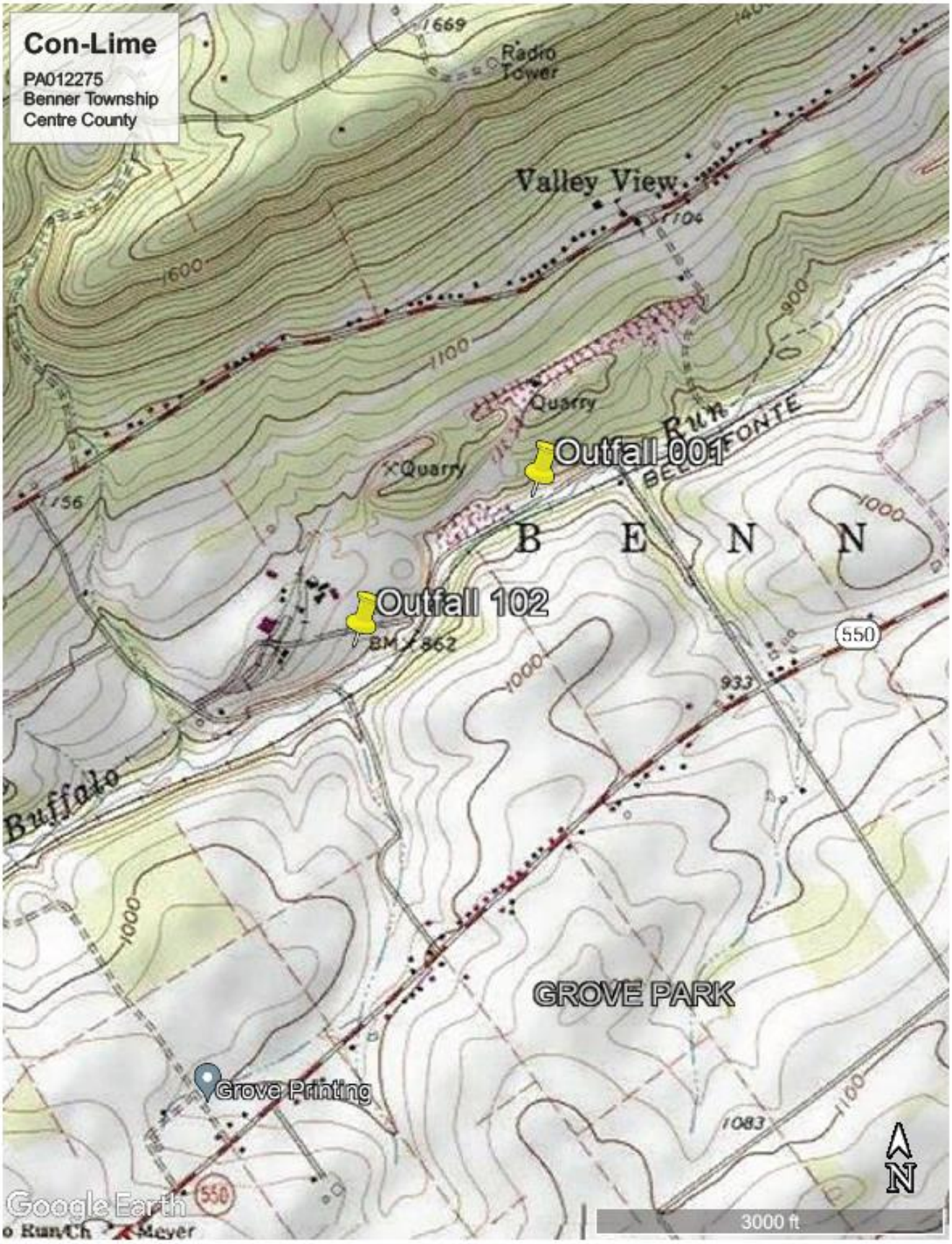
Compliance Sampling Location: Outfall 201

Other Comments: None.

Tools and References Used to Develop Permit	
☐	WQM for Windows Model (see Attachment)
☐	Toxics Management Spreadsheet (see Attachment)
☐	TRC Model Spreadsheet (see Attachment)
☐	Temperature Model Spreadsheet (see Attachment)
☐	Water Quality Toxics Management Strategy, 361-0100-003, 4/06.
☒	Technical Guidance for the Development and Specification of Effluent Limitations, 362-0400-001, 10/97.
☐	Policy for Permitting Surface Water Diversions, 362-2000-003, 3/98.
☒	Policy for Conducting Technical Reviews of Minor NPDES Renewal Applications, 362-2000-008, 11/96.
☐	Technology-Based Control Requirements for Water Treatment Plant Wastes, 362-2183-003, 10/97.
☐	Technical Guidance for Development of NPDES Permit Requirements Steam Electric Industry, 362-2183-004, 12/97.
☐	Pennsylvania CSO Policy, 385-2000-011, 9/08.
☒	Water Quality Antidegradation Implementation Guidance, 391-0300-002, 11/03.
☐	Implementation Guidance Evaluation & Process Thermal Discharge (316(a)) Federal Water Pollution Act, 391-2000-002, 4/97.
☐	Determining Water Quality-Based Effluent Limits, 391-2000-003, 12/97.
☒	Implementation Guidance Design Conditions, 391-2000-006, 9/97.
☐	Technical Reference Guide (TRG) WQM 7.0 for Windows, Wasteload Allocation Program for Dissolved Oxygen and Ammonia Nitrogen, Version 1.0, 391-2000-007, 6/2004.
☐	Interim Method for the Sampling and Analysis of Osmotic Pressure on Streams, Brines, and Industrial Discharges, 391-2000-008, 10/1997.
☐	Implementation Guidance for Section 95.6 Management of Point Source Phosphorus Discharges to Lakes, Ponds, and Impoundments, 391-2000-010, 3/99.
☒	Technical Reference Guide (TRG) PENTOXSD for Windows, PA Single Discharge Wasteload Allocation Program for Toxics, Version 2.0, 391-2000-011, 5/2004.
☐	Implementation Guidance for Section 93.7 Ammonia Criteria, 391-2000-013, 11/97.
☐	Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers, 391-2000-014, 4/2008.
☐	Implementation Guidance Total Residual Chlorine (TRC) Regulation, 391-2000-015, 11/1994.
☐	Implementation Guidance for Temperature Criteria, 391-2000-017, 4/09.
☐	Implementation Guidance for Section 95.9 Phosphorus Discharges to Free Flowing Streams, 391-2000-018, 10/97.
☐	Implementation Guidance for Application of Section 93.5(e) for Potable Water Supply Protection Total Dissolved Solids, Nitrite-Nitrate, Non-Priority Pollutant Phenolics and Fluorides, 391-2000-019, 10/97.
☐	Field Data Collection and Evaluation Protocol for Determining Stream and Point Source Discharge Design Hardness, 391-2000-021, 3/99.
☐	Implementation Guidance for the Determination and Use of Background/Ambient Water Quality in the Determination of Wasteload Allocations and NPDES Effluent Limitations for Toxic Substances, 391-2000-022, 3/1999.
☒	Design Stream Flows, 391-2000-023, 9/98.
☐	Field Data Collection and Evaluation Protocol for Deriving Daily and Hourly Discharge Coefficients of Variation (CV) and Other Discharge Characteristics, 391-2000-024, 10/98.
☐	Evaluations of Phosphorus Discharges to Lakes, Ponds and Impoundments, 391-3200-013, 6/97.
☒	Pennsylvania's Chesapeake Bay Tributary Strategy Implementation Plan for NPDES Permitting, 4/07.
☒	SOP: Establishing Effluent Limitations for Individual Industrial Permits, 9/10/13
☐	Other:

Attachment:

A. Discharge Location Map


Con-Lime
PA012275
Benner Township
Centre County
Radio Tower
Valley View
Quarry
Quarry
Outfall 001
Outfall 102
BM 1862
B E N N
550
933
Buffalo
GROVE PARK
Grove Printing
1083
Google Earth
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