pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PAS326102**
Facility Type	**Storm Water**	APS ID	**989217**
Major / Minor	**Minor**	Authorization ID	**1266376**

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

Applicant and Facility Information

Applicant Name	**Glacial Sand & Gravel Company**	Facility Name	**Glacial Sand & Gravel Cowansville Shop**
Applicant Address	P.O. Box 1022	Facility Address	905 East Brady Road
	Kittanning, PA 16201-5022		Cowansville, PA 16218
Applicant Contact	Richard Snyder	Facility Contact	
Applicant Phone	(724) 548-8101	Facility Phone	
Client ID	4394	Site ID	533189
SIC Code	7699	Municipality	East Franklin Township
SIC Description	Miscellaneous Repair Shops and Related Services	County	Armstrong
Date Application Received	February 25, 2019	EPA Waived?	Yes
Date Application Accepted	March 28, 2019	If No, Reason	

Purpose of Application: Renewal of a NPDES Permit for existing discharges of stormwater associated with industrial activity.

Summary of Review

This facility is primarily involved in the repair and maintenance of the company's earth-moving equipment (fleet equipment vehicles, fleet hauling vehicles, excavators, small bulldozers, and backhoes, etc.). Activities at the facility consist of vehicle maintenance, painting, welding, and equipment storage.

The discharges from this facility do not qualify for a PAG-03 General Stormwater Permit because they discharge to a high quality-designated watershed.

Discharges from the Cowansville Shop flow across approximately 1,000 feet of vegetated field and an additional 1,000 feet of forested land prior to entering Long Run. Due to the lengthy distance travelled by the stormwater runoff, the site's topography, and the lack of any discernible drainage swales, most of the runoff likely infiltrates into the ground prior to reaching the stream. Monitoring requirements are proposed to ensure the proper management of potential pollutants.

There are currently no open violations listed in EFACTS for this permittee (12/10/2019).

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		Adam J. Pesek, E.I.T. / Environmental Engineering Specialist	
X		Justin C. Dickey, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0
Latitude	40º 53' 36.60"	Longitude	-79º 35' 19.20"
Outfall No.	001	Design Flow (MGD)	0
Latitude	40º 53' 33"	Longitude	-79º 35' 34"
Outfall No.	001	Design Flow (MGD)	0
Latitude	40º 53' 33"	Longitude	-79º 35' 21"
Quad Name	East Brady	Quad Code	1109

Wastewater Description: Stormwater associated with industrial activities

Receiving Waters	Long Run	Stream Code	42696
NHD Com ID	123971289	RMI	3.86
Drainage Area	1.03	Yield (cfs/mi^2)	0.05
Q_{7-10} Flow (cfs)	0.05	Q_{7-10} Basis	Bulletin 6 & 12; USGS Streamstats
Elevation (ft)	1260	Slope (ft/ft)	0.05
Watershed No.	18-F	Chapter 93 Class.	HQ-TSF
Existing Use		Existing Use Qualifier	
Exceptions to Use	NONE	Exceptions to Criteria	NONE

Assessment Status: Attaining Use(s)
Cause(s) of Impairment:
Source(s) of Impairment:
TMDL Status: Name:

Nearest Downstream Public Water Supply Intake: Harrison Township Water Authority

PWS Waters	Allegheny River	Flow at Intake (cfs)	2,400
PWS RMI	24.2	Distance from Outfall (mi)	31

Changes Since Last Permit Issuance: None

Other Comments:

Compliance History

DMR Data for Outfall 001 (from November 1, 2018 to October 31, 2019)

Parameter	OCT-19	SEP-19	AUG-19	JUL-19	JUN-19	MAY-19	APR-19	MAR-19	FEB-19	JAN-19	DEC-18	NOV-18
Flow (MGD) Daily Maximum											0.017	
pH (S.U.) Daily Maximum											7.50	
CBOD5 (mg/L) Daily Maximum											2.62	
COD (mg/L) Daily Maximum											62	
TSS (mg/L) Daily Maximum											< 5	
Oil and Grease (mg/L) Daily Maximum											< 5.0	
Total Iron (mg/L) Daily Maximum											0.04	

DMR Data for Outfall 002 (from November 1, 2018 to October 31, 2019)

Parameter	OCT-19	SEP-19	AUG-19	JUL-19	JUN-19	MAY-19	APR-19	MAR-19	FEB-19	JAN-19	DEC-18	NOV-18
Flow (MGD) Daily Maximum											0.0007	
pH (S.U.) Daily Maximum											7.41	
CBOD5 (mg/L) Daily Maximum											1.99	
COD (mg/L) Daily Maximum											< 50	
TSS (mg/L) Daily Maximum											< 5	
Oil and Grease (mg/L) Daily Maximum											< 5.0	
Total Iron (mg/L) Daily Maximum											0.56	

Development of Effluent Limitations

Outfall No.	001	**Design Flow (MGD)**	0
Latitude	40º 53' 36.60"	**Longitude**	-79º 35' 19.20"
Outfall No.	002	**Design Flow (MGD)**	0
Latitude	40º 53' 33.00"	**Longitude**	-79º 35' 34.00"
Outfall No.	003	**Design Flow (MGD)**	0
Latitude	40º 53' 33.00"	**Longitude**	-79º 35' 21.00"

Wastewater Description: Stormwater associated with industrial activities

Technology-Based Limitations

Comments: None

Water Quality-Based Limitations

Comments: None

Best Professional Judgment (BPJ) Limitations

Comments: Comments: In accordance with the Department's SOP entitled "Establishing Effluent Limitations for Individual Industrial Permits," monitoring requirements contained in the PAG-03 General Permit, Appendix J, including benchmark values, will be incorporated into this permit. These parameters are total suspended solids and oil & grease.

Monitoring for flow, pH, $CBOD_5$, COD, and total iron will be retained in the renewed permit at the existing monitoring frequency. These parameters were initially placed in the permit due to them being typical pollutants present at equipment maintenance facilities.

Anti-Backsliding

Not applicable; all monitoring parameters are being retained from the previous permit.

Anti-Degradation

Comments: The discharge of stormwater from this site existed prior to the stream's designation as an HQ water. In addition, the discharges from this site; while discernable near the industrial operations, quickly revert to sheet flow upon reaching the adjacent fields. These discharges likely infiltrate naturally into the soil and do not reach Long Run approximately four tenths of a mile away. Based upon these site-specific characteristics, GSG has met the requirement to evaluate non-discharge alternatives. Therefore, anti-degradation effluent limits are not applicable to the stormwater discharges from this facility. Previously implemented BMPs are adequate to protect the receiving stream.

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 001, 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		
Flow (MGD)	XXX	Report Daily Max	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
CBOD5	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001 (prior to mixing with any other waters).

Other Comments:

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 002, 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		
Flow (MGD)	XXX	Report Daily Max	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
CBOD5	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab

Compliance Sampling Location: Outfall 002 (prior to mixing with any other waters)

Other Comments:

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 003, 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		
Flow (MGD)	XXX	Report Daily Max	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
CBOD5	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/year	Grab

Compliance Sampling Location: Outfall 003 (prior to mixing with any other waters.

Other Comments: