Pennsylvania Department of Environmental Protection

Northcentral Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0233412**
Facility Type	**Storm Water**	APS ID	**1090016**
Major / Minor	**Minor**	Authorization ID	**1442530**

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

Applicant and Facility Information

Applicant Name	**Centre Concrete Company**	Facility Name	**Centre Concrete State College Facility**
Applicant Address	P.O. Box 859	Facility Address	2280 East College Avenue
	State College, PA 16804-0859		State College, PA 16801-7205
Applicant Contact	Matthew Whitman	Facility Contact	Tasha Williams
Applicant Phone	814-355-4547 X214	Facility Phone	814-355-4547 X204
Client ID	4201	Site ID	545937
SIC Code	3273	Municipality	College Township
SIC Description	Ready Mix Concrete	County	Centre
Date Application Received	May 25, 2023	EPA Waived?	Yes
Date Application Accepted	June 09, 2023	If No, Reason	Not Applicable
Purpose of Application	Renewal of NPDES permit		

Summary of Review

INTRODUCTION

Centre Concrete Company (Centre) has submitted an application to renew their existing NPDES individual industrial stormwater permit for a facility in College Township, Centre County.

APPLICATION

Centre submitted the *NPDES Application for Individual Permit to Discharge Industrial Stormwater* (DEP #3800-PM-BCW0403b). Matthew Whitman, EHS Director, is the client contact. His additional contact information is (FAX) 814-355-4198 and (email) mwhitman@centreconcrete.com. The site contact is Tasha Williams, Environmental Specialist. Her contact information is (phone) 814-355-4547 X204, (FAX) 814-355-4198 and (email) twilliams@centreconrete.com.

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.

The case-file, permit application package and draft permit will be available for public review at Department's Northcentral Regional Office. The address for this office is 208 West Third Street, Suite 101, Williamsport, PA 17701. An appointment can be made to review these materials during the comment period by calling the file coordinator at 570-327-3636.

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Approve	Return	Deny	Signatures	Date
X			Jeffrey J. Gocek, EIT Project Manager	05/14/2025
X			Nicholas W. Hartranft, PE Environmental Engineer Manager	05/14/2025

COMPLIANCE HISTORY

The WMS Query *Open Violations by Client* revealed no unresolved violations for Centre.

The most recent Department inspection, a routine partial inspection, was performed November 11, 2024. Department staff toured the facility and observed the outfalls. No violations were noted during the inspection.

Recent discharge monitoring report (DMR) data is as follows.

Parameter	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24
pH (S.U.) IMIN				8.6						8.7		
pH (S.U.) IMAX				8.6						8.7		
COD (mg/L) Daily Maximum				58.6						90.6		
TSS (mg/L) Daily Maximum				42.8						516		
Oil and Grease (mg/L) Daily Maximum				< 4.81						< 5.00		
TKN (mg/L) Daily Maximum				14.69						3.120		
Total Aluminum (mg/L) Daily Maximum				0.801						7.63		
Total Iron (mg/L) Daily Maximum				0.876						8.73		

FACILITY DESCRIPTION

Centre manufactures ready-mix concrete at the College Township location. The site consists of approximately 9.21 acres of material storage, warehouse building, maintenance garage, batch plant and office space. The site elevation varies from 1,130 feet to 1,080 feet. Four buildings are on the site; the batch plant (farthest downgradient), the office/administration building, the mechanics shop and the storage building (farthest upgradient). The ready-mix concrete (RMC) trucks are parked at an upgradient impervious parking lot when not in use.

Aggregate raw materials are stored in bins according to the material size. This aggregate, consisting of stone and sand, is not covered and contacts precipitation. The site drainage allows the runoff to encounter multiple areas to infiltrate into the subsurface. A retention pond, originally used as an overflow from the rinse-out basin also captures the sheet flow runoff from the western portion of the site. This retention pond allows for the settling of solids that may have been captured in the runoff. A separate rinse-out basin is located on the western portion of the site. This basin consists of baffles which restrict the flow of water and allow for the settling of solids. This water is then stored in a concrete container and later used for the rinsing of the drums on the RMC trucks. Impervious surfaces drain to the northwest where it encounters a series of retention ponds prior to discharge through Outfall 001. These basins are located on the northern edge of the property. A second rinse-out basin is located on the eastern portion of the site. This basin stores water from the rinsing of trucks prior to them leaving the site.

One 350-gallon above-ground storage tank (AST) is located inside the on-site mechanics' garage. This double-walled tank is used to store waste oil and is inspected on a daily/weekly basis. One 10,000-gallon underground storage tank (UST) is located onsite and is used to store diesel for the truck fleet.

No process wastewater is discharged from this facility.

See Attachment 01 for a map of the facility. See Attachment 02 for a site schematic.

PREVIOUS NPDES PERMIT

This approval was covered in the past by NPDES permit #PAS144813. The permit number has been changed to follow the normal numbering convention for individual permits. PAS144813 was last issued November 09, 2018.

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EXISTING MONITORING

The following monitoring requirements were established at the last issuance on November 09, 2018.

Discharge Parameter	Mass (lb/day)		Concentration (mg/L) unless noted*				Monitoring	
	Monthly Average	Daily Maximum	Minimum	Average Monthly	Daily Maximum	IMAX	Minimum Frequency	Sample Type
pH (SU)	XXX	XXX	Report Inst Min	XXX	XXX	Report	1/6 Months	Grab
Chemical Oxygen Demand	XXX	XXX	XXX	XXX	Report	XXX	1/6 Months	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/6 Months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 Months	Grab
Total Kjeldahl Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 Months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 Months	Grab

OUTFALL

The site has one outfall, located at the north end of the site. It is located at latitude 40°49'21.39" and longitude -77°48'38.91". This outfall drains approximately 394,131 square feet, 33% of which is impervious surface. The drainage area contains the concrete plant, buildings and vehicle parking.

RECEIVING STREAM

Stream Characteristics

As indicated above, any precipitation not conveyed to the eastern or western sedimentation basins is discharged to an Unnamed Tributary to Spring Creek. This stream is identified by Department stream code 23053 and is located in (Chapter 93) drainage list L and state water plan watershed 9C (Bald Eagle Creek). According to 25 PA § 93.9L, this stream protected for Cold Water Fishes (CWF) and Migratory Fishes (MF). CWF and MF are the streams' *Designated Uses*, which are defined in 25 PA § 93.1 as "those uses specified in §§ 93.9A – 93.9Z for each waterbody whether or not that use is being attained". Designated uses are regulations promulgated by the Environmental Quality Board (EQB) through the rulemaking process. This stream currently has no *Existing Use*, which is defined in 25 PA § 93.1 as "those uses actually attained in the waterbody on or after November 28, 1975 whether or not they are included in the water quality standards".

Just downstream is Spring Creek, Central Pennsylvania's premier trout fishery. According to 25 PA § 93.9L, this stream protected for High Quality Cold Water Fishes (HQ-CWF) and Migratory Fishes (MF). Spring Creek is identified by Department stream code 22966.

Impairment/TMDL

According to data from the Department's *Integrated Water Quality Report*, the unnamed tributaries, as well as Spring Creek, are attaining their designated uses with respect to both Aquatic Life and Fish Consumption.

There are no Total Maximum Daily Loads (TMDLs) associated with these receiving streams.

ANTI-DEGREDATION

40 CFR §§ 131.12 and 131.32 require PA to adopt an anti-degradation policy and include this policy as a required element of the surface water quality standards program. According to the Department's "Water Quality Anti-Degradation Implementation Guidance" (#391-0300-002), it is the Department's policy to protect the existing uses of all surface waters and the existing quality of High Quality (HQ) and Exceptional Value (EV) waters. The basic concept of anti-degradation is to promote the maintenance and protection of existing water quality for High Quality (HQ) and Exceptional Value (EV) waters, and protection of existing uses for all surface waters because it recognizes that existing water quality and uses have inherent value worthy of protection and preservation. As a required element of PA's water quality standards, the Anti-Degradation (Antideg) program introduces levels of protection for deserving waterbodies above the basic standards. The exception occurs, in the case of HQ waters, when the Department finds (after satisfaction of intergovernmental coordination and public participation requirements) that allowing a lower water quality is necessary to accommodate important economic or social development in the area in which the waters are located.

Since this discharge is existing and not expanding, no analysis is required. The previous analysis performed at an earlier application review is still in effect. For the purposes of Antideg, the Department considers the existing BMPs to be acceptable and constitute ABACT in the protection of Spring Creek and the associated tributaries.

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BASIS OF STORMWATER MONITORING

Centre reports the primary Standard Industrial Classification (SIC) code of 3273 (*Ready-Mixed Concrete*) on the application. This code is defined, at http://www.osha.gov, as "establishments primarily engaged in manufacturing portland cement concrete manufactured and delivered to a purchaser in a plastic and unhardened state. This industry includes production and sale of central-mixed concrete, shrink-mixed concrete and truck-mixed concrete". Residual concrete not used at job sites is brought back and used for creation of architectural barriers that are sold to the general public.

The proposed stormwater monitoring for this facility is based on *Appendix N* of the Department's *PAG-03 Authorization to Discharge Under the National Pollution Discharge Elimination System (NPDES) General Permit for Discharges of Stormwater Associated with Industrial Activity* (DEP #3850-PM-BCW0083d). Appendix N (*Glass, Clay, Cement, Concrete and Gypsum Products*) contains requirements which apply to stormwater discharges associated with industrial activity from Concrete, Gypsum and Plaster Products, as identified by SIC codes 3271 through 3275 (Industry Group 327).

Appendix N facilities have the following monitoring requirements.

Parameter	Monitoring Requirements		Benchmark Values
	Minimum Measurement Frequency	Sample Type	
Total Nitrogen (mg/L)	1/6 Months	Calculation	XXX
Total Phosphorus (mg/L)	1/6 Months	Grab	XXX
pH (SU)	1/6 Months	Grab	9.0
Total Suspended Solids (mg/L)	1/6 Months	Grab	100
Total Aluminum (mg/L)	1/6 Months	Grab	XXX
Total Iron (mg/L)	1/6 Months	Grab	XXX

Benchmark values have been included for the Department's use. These are not effluent limitations and exceedances will not constitute permit violations. If the sampling demonstrates exceedances of benchmark values for two consecutive monitoring periods, the permittee will be required to submit a corrective action plan within 90 days of the monitoring period triggering the plan.

The past permit included monitoring for Chemical Oxygen Demand (COD), Oil and Grease and Total Kjeldahl Nitrogen (TKN). In the last permit term, Oil and Grease values were non-detect, while the TKN values were nominal. Because COD values are occurring in detectable quantities, especially the high value submitted in the application materials, the monitoring requirement will remain.

Parameter	Monitoring Requirements		Benchmark Values
	Minimum Measurement Frequency	Sample Type	
Chemical Oxygen Demand (mg/L)	1/6 Months	Grab	120

PREPAREDNESS, PREVENTION AND CONTINGENCY PLAN

A Preparedness, Prevention and Contingency (PPC) Plan for this site was submitted with the *NPDES Application for Individual Permit to Discharge Industrial Stormwater*. This plan is dated May 2023.

Best Management Practices (BMPs) at the site fall into two categories; 1. Spill, Leak, Prevention and Response (SLPR) and 2. Stormwater Management. The SLPR BMPs include pre-release planning, material compatibility, inspection and monitoring program, preventative maintenance, housekeeping program, security, external factor planning, a routine employee training program, countermeasures, and emergency spill control network. The stormwater BMPs include (past) drainage and surface water studies, sedimentation basins (with baffles), stormwater and wash water reuse, settled solids are sold as fill, vegetated areas, and routine inspections of potential pollution areas and storage locations and containers.

STANDARD OPERATING PROCEDURES

The review of this application was in accordance with the Department's *Standard Operating Procedure (SOP) for Clean Water Program Establishing Effluent Limitations for Individual Industrial Permits* (SOP #BPNPSM-PMT-032) and the *SOP for Clean Water Program New and Reissuance Industrial Waste and Industrial Stormwater Individual NPDES Permit Applications* (SOP #BPNPSM-PMT-001).

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PROPOSED SUPPLEMENTAL DISCHARGE MONITORING REPORTS

Annual Inspection Form Lab Accreditation Form
Lab Accreditation Form
Non-Compliance Reporting Form

PROPOSED SPECIAL CONDITIONS

Stormwater Outfalls and Authorized Non-Stormwater Discharges
Best Management Practices
Stormwater Monitoring Requirements
Routine Inspections
Preparedness, Prevention and Contingency Plan
Other Requirements

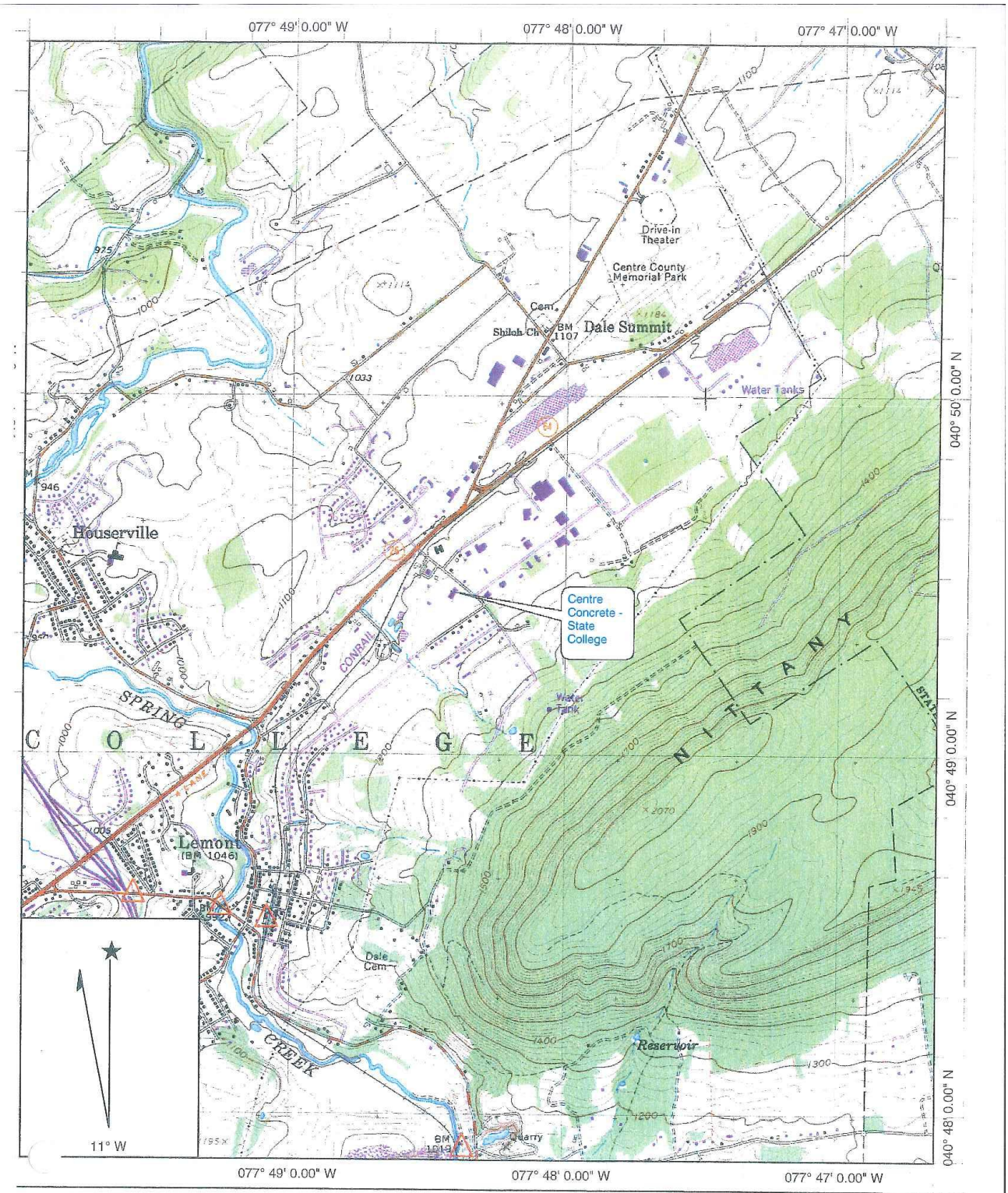
PROPOSED STORMWATER MONITORING REQUIREMENTS

Outfall 001 - Effective Period: Permit Effective Date through Permit Expiration Date

Discharge Parameter	Mass Limits (lb/day)		Concentrations (mg/L, unless noted)				Monitoring Requirements	
	Monthly Average	Daily Maximum	Minimum	Monthly Average	Daily Maximum	IMAX	Minimum Measurement Frequency	Required Sample Types
pH (SU)	XXX	XXX	Report Inst Min	XXX	XXX	Report	1/6 Months	Grab
Chemical Oxygen Demand	XXX	XXX	XXX	XXX	Report	XXX	1/6 Months	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/6 Months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 Months	Calculation
Total Phosphorus	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

END of Fact Sheet.

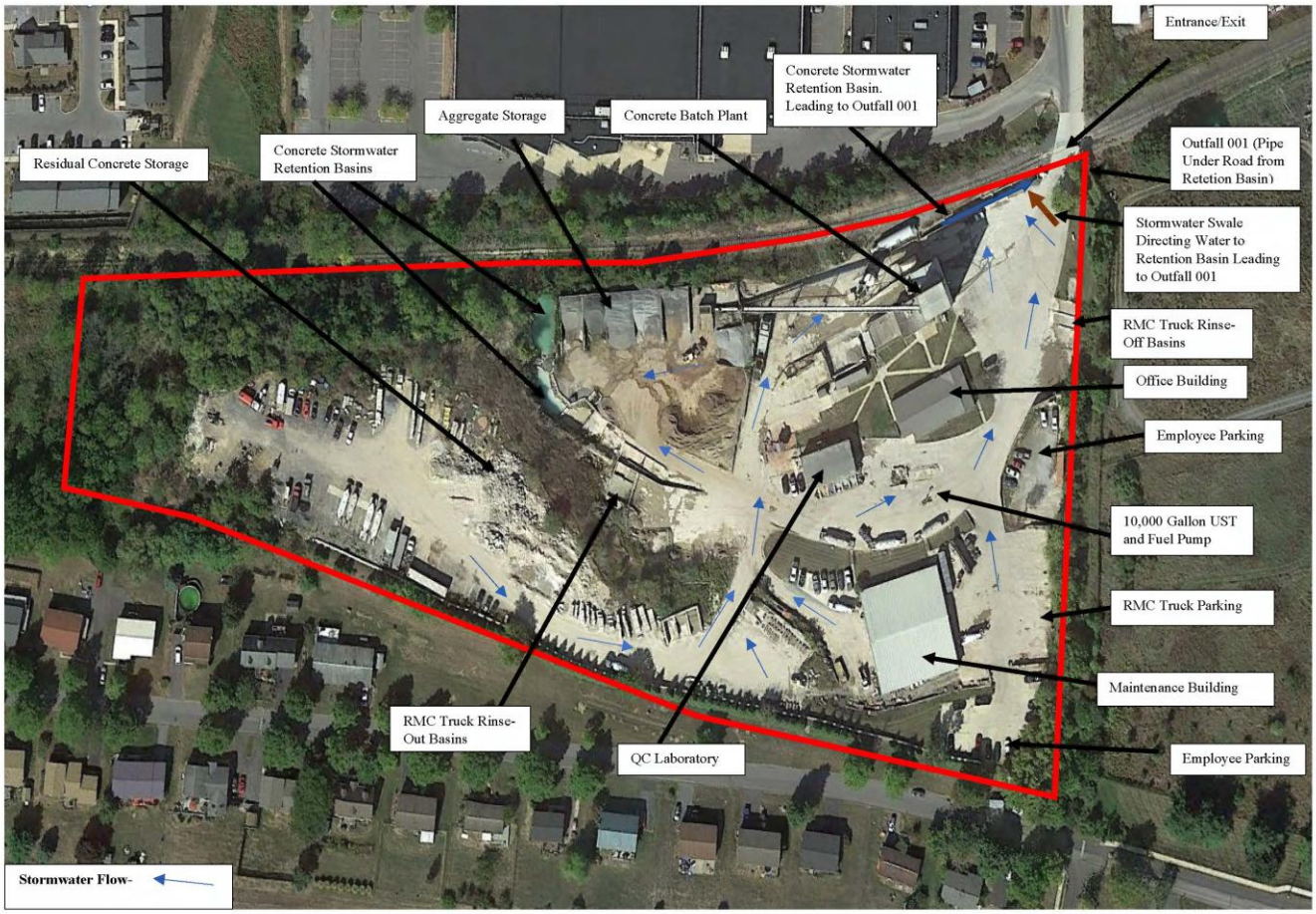
ATTACHMENT 01



Name: STATE COLLEGE
Date: 8/22/2008
Scale: 1 inch equals 2000 feet

Location: 040° 49' 25.40" N 077° 48' 18.51" W
Caption: Site Location Map
Appendix A Figure 1

ATTACHMENT 02



Centre Concrete State College Facility-2280 East College Avenue, State College, Centre County, PA 16801
Client ID#4201, Site ID# 545937, Facility ID# 546668