

U.S. Environmental Protection Agency, Region 4
61 Forsyth Street SW, Atlanta, GA 30303
Water Compliance Inspection Report

FACILITY DATA

NPDES ID: NCG140043 **Effective Date:** 07/01/2022 **Expiration Date:** 06/30/2027

Facility Name: Concrete Supply Company, LLC (CSC) – South Plant (Charlotte) **SIC Code:** 3273 / E / E2

Address: 400 Minute Lane, Charlotte, NC 28210

On-Site Representative:
Adam Georgia Loren Wild
Plant Lead Area Manager
o: 704-527-1387 o: 704-309-4418

Responsible Official:
Johnie Alexander, Environmental Manager
Email: Johnie.Alexander@concretesupplyco.com
Office: 704-372-2930

INSPECTION ENTRY DATES/TIMES

Entry Date/Time: 01/13/2025 at 01:30 PM **Exit Date/Time:** 01/13/2025 at 03:15 PM

NAMES OF STATE INSPECTORS

Lily Kay Brett Saunders
Lily.Kay@deq.nc.gov Brett.Saunders@deq.nc.gov

AREAS EVALUATED DURING INSPECTION *(Check those areas evaluated)*

☒	Permit	☒	Self-Compliance Program	☐	Pretreatment
☒	Records	☐	Compliance Schedule	☒	Pollution Prevention
☒	Facility Site Review	☐	Laboratory	☒	Storm Water
☒	Effluent/ Receiving Waters	☒	Operations & Maintenance	☐	Combined Sewer Overflow
☐	Flow Measurement	☐	Sludge Handling/ Disposal	☐	Sanitary Sewer Overflow

INSPECTION SUMMARY

This was a joint EPA and NC DEQ stormwater Compliance Evaluation Inspection (CEI) focusing on the requirements of the North Carolina General Permit for Storm Water Discharges Associated with Industrial Activities (General Permit No. NCG140000).

INSPECTOR SIGNATURE

OFFICE/PHONE NUMBER

JEREMY JUDD Digitally signed by JEREMY JUDD
Date: 2025.04.17 14:48:03 -04'00'

Jeremy Judd, Environmental Engineer

USEPA Region 4/ECAD-WEB-WWES
404-562-9505

LONNIE DORN Digitally signed by LONNIE DORN
Date: 2025.04.17 16:12:53 -04'00'

Lonnie Dorn, Life Scientist

USEPA Region 4/ECAD-WEB-WWES
706-355-8683

AHMAD DROMGOOLE Digitally signed by AHMAD DROMGOOLE
Date: 2025.04.18 09:50:05 -04'00'

Ahmad Dromgoole, Section Chief
Waterways and Wetlands Enforcement Section

USEPA Region 4/ECAD-WEB-WWES
404-562-9212

NPDES Industrial Stormwater Worksheet (North Carolina - General Permit No. NCG140000)

1. FACILITY LOCATION INFORMATION

GPS Coordinates	Latitude	35.1564488° N	Longitude	-81.8827296° W	
Receiving Water(s) or MS4	Unnamed Tributary to Kings Branch / Sugar Creek / Catawba River		Discharge to 303(d) or TMDL waters	No	
Site Acreage	7.5 acres	SIC Code	3272 / E / E2	Weather Condition	Sunny, clear
Email on NOI	Johnie.Alexander@concretesupply.co.com	Date of NOI	09/12/2022		

2. SITE DESCRIPTION

The CSC facility in Charlotte, NC is a ready-mix plant. The process includes a batch concrete process where a predetermined amount of aggregates, cement, fly ash, and admixture are mixed in a central mixer. The final products are then loaded from the central mixer directly into each individual concrete truck.

All the runoff from the production area drains toward the east side of the facility and collects in a concrete ditch. Wastewater and stormwater from the ditch are pumped through a CO₂ treatment system for pH adjustment prior to discharge via outfall #1.

3 STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND SUPPORTING DOCUMENTS

PLAN TOPICS – Section B of Permit	YES	NO	N/E
SWPPP available on-site Part B.18 SWPPP prepared by Chalam Pakala Engineering and Environmental Solutions	X		
SWPPP Certification Signature/Date Part B.1 / Part J	X		
Responsible Party / Pollution Prevention Team named in SWPPP Part B.1 Section 7 of the SWPPP: Team consists of ENV Manager, District/Area Manager, and Plant Manager	X		
General Location Map Part B.2	X		
Site Map Part B.3	X		
Narrative Description of Industrial Processes Part B.4 Section 4.2 of the SWPPP: industrial facility is a central mix plant that consists of aggregate storage bins, 2 cement silos, 1 fly ash silo, conveying equipment, and weighing equipment.	X		
Feasibility Study Part B.5	X		
Evaluation of Stormwater Outfalls Part B.6	X		
Stormwater BMP Summary Part B.7 Section 10 of the SWPPP indicates the Pollution Measures and BMPs implemented at facility	X		

3 STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND SUPPORTING DOCUMENTS

PLAN TOPICS – Section B of Permit	YES	NO	N/E
Secondary Containment Plan Part B.8 The facility provided a plan document for review by email on April 15, 2025 (after the inspection) The facility does have a 6,000 gallon AST and a few 55-gallon drums stored onsite.	X		
Spill Prevention and Response Procedures Part B.9 Section 4.7 Oil and Other Storage Management, Section 11 Spill Response and Section 12 Reporting Spills are documented in the SWPPP.	X		
Solvent Management Plan Part B.10 The facility provided a plan document of certification indicating that a Solvent Management Plan is not required for the facility for review by email on April 15, 2025 (after the inspection)	X		
Preventative Maintenance and Good Housekeeping Program Part B.11 Section 10 of the SWPPP indicates Pollution Measures and BMPs implemented at facility	X		
Employee Training Part B.12 <i>Documentation indicates training occurred on the following dates: 12/28/2021; 10/03/2022; 10/02/2023; and 10/07/2024</i>	X		
Representative Outfall Status Part B.13			X
Annual SWPPP Review and Update Part B.14 SWPPP has been documented of having been reviewed and revised for the following dates: 10/25/2019; 3/12/2020; 12/15/2020; 10/1/2021; 10/13/2022; 02/16/2023; 04/09/2024; 10/22/2024; and 11/25/2024.	X		
Notice to Modify the SWPPP Part B.15 Facility has not received any notice to modify the SWPPP from NC DEQ			X
OPERATIONAL REQUIREMENTS – Section C of Permit	YES	NO	N/E
Operation and Maintenance of Treatment and Control Systems Part C.1	X		
Stormwater Control Measure Clean Out Part C.2	X		
Polyacrylamides and Flocculants Part C.3 PAMS and Flocculants shall be selected from the NC Division of Water Resources of approved PAMS/Flocculants list.			X
Residuals Management Part C.3	X		
Corrective Actions Part C.4	X		
QUALITATIVE MONITORING OF STORMWATER DISCHARGES - Section D of Permit	YES	NO	N/E
Visual Inspections Part D.1	X		
Qualitative Monitoring Response Part D.2	X		
ANALYTICAL MONITORING OF STORMWATER DISCHARGES – Section E of Permit	YES	NO	N/E

3 STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND SUPPORTING DOCUMENTS

PLAN TOPICS – Section B of Permit		YES	NO	N/E
Required Baseline Sampling	Part E.1	X		
Tier One Response – Status	Part E.5			X
Tier Two Response – Status	Part E.6			X
Tier Three Response – Status	Part E.7			X
SUBMITTAL OF DISCHARGE MONITORING REPORTS – Section H of the Permit		YES	NO	N/E
Qualitative Monitoring Reports	Part H.10	X		
Monitoring Report Retention	Part H.11	X		
OTHER OCCURENCES THAT MUST BE REPORTED – Section I of the Permit		YES	NO	N/E
Visible Sediment deposition in a stream or wetland	Part I Table 7		X	
Oil Spills	Part I Table 7		X	
Documents indicate no history of oil spills or leaks.				
Hazardous Substances	Part I Table 7		X	
Anticipated bypasses	Part I Table 7			X
Unanticipated bypasses	Part I Table 7			X
Noncompliance with the conditions of the Permit	Part I Table 7		X	

4. FIELD EVALUATION & PLAN IMPLEMENTATION

Pollutant Sources	Note location, quantitative description, design issue, O&M deficiencies, and pollutants offsite
Loading/Unloading Area	Raw materials arrive by trucks. Aggregate and sand are stored in 3-sided concrete bins, while cement and fly ash are pneumatically pumped into silos.
Outdoor Storage	The 3-sided concrete bins for aggregate and sand were open to precipitation.
Outdoor Manufacturing/Processing Operations	Not Applicable
Treatment/Storage/Disposal Areas	Storage and Disposal areas are located on site and open to precipitation.
Sediment & Erosion Controls (BMPs)	Observed minor dust control concerns/issues at the site. Observed minor sediment track out at the entrance / exit.

4. FIELD EVALUATION & PLAN IMPLEMENTATION

Pollutant Sources	Note location, quantitative description, design issue, O&M deficiencies, and pollutants offsite
Spills / Leaks Handling / Good Housekeeping	No evidence of spills or leaks were observed onsite. The facility is generally in good and orderly with regards to good housekeeping.

5. OUTFALL, STORMWATER DISCHARGE & RECEIVING WATER OBSERVATIONS

OUTFALL, STORMWATER, DISCHARGE, & RECEIVING WATER	YES	NO	DESCRIPTION
Number & location of stormwater discharge(s)/outfall(s) consistent with SWP3	X		One outfall was observed, as reflected in the SPPP.
Evidence of off-site accumulation of pollutants observed in receiving water		X	
Non-stormwater discharge observed		X	

Exit interview conducted with: Johnnie Alexander, Adam Georgia, and Loren Wild

Preliminary findings discussed during the exit interview included:

1. SWPPP appears to be updated to reflect current industrial activities and operations
2. Quarterly Good Housekeeping/BMP Inspections have been documented on a consistent and regular basis
3. Stormwater Analytical results were made available when a discharge occurred at the outfall
 - a. Last monitoring results from 11/18/2024 indicate a pH of 7.7 and TSS of 9.7 mg/L
4. Training appears to be conducted on an annual basis for employees
 - a. Ensure new employees receive training as well as employees on an annual basis

Preliminary findings noted after the exit interview included:

1. Observed minor dust control concerns/issues at the site.
2. Observed minor sediment track out at entrance / exit

Photo Log is attached.



PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	aerial image - CSC South Plant.jpg
Date Stamp:	1/13/2025
Time Stamp:	05:30 PM
Description:	Aerial image of industrial site. <u>Note:</u> Due to technical difficulties with the digital camera, no GPS coordinates were collected associated with the photos taken during the stormwater inspection.

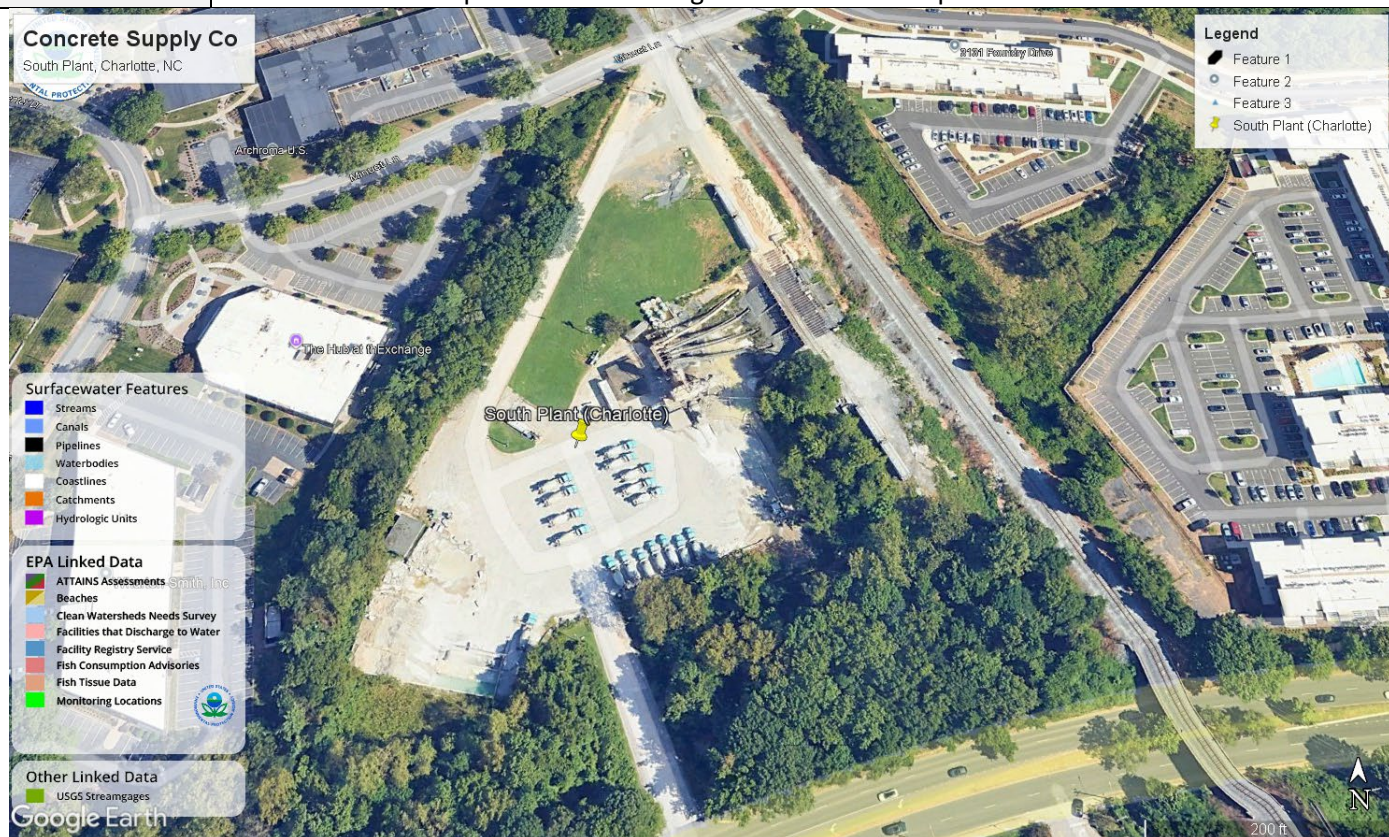




Photo ID:	DSCN 1557
Date Stamp:	1/13/2025
Time Stamp:	02:04 PM
Description:	Storm Water Pollution Prevention Plan (SWPPP) – Site Map

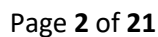




PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1558
Date Stamp:	1/13/2025
Time Stamp:	02:46 PM
Description:	Designated area for Aug Mixture containers located within secondary concrete berm





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1559
Date Stamp:	1/13/2025
Time Stamp:	02:51 PM
Description:	Designated area for collection pits for process wastewater, stormwater, and comingle





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1560
Date Stamp:	1/13/2025
Time Stamp:	02:51 PM
Description:	Designated area for collection pits for process wastewater, stormwater, and comingle





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1561
Date Stamp:	1/13/2025
Time Stamp:	02:51 PM
Description:	Designated area for collection pits for process wastewater, stormwater, and comingle





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1562
Date Stamp:	1/13/2025
Time Stamp:	02:53 PM
Description:	pH Adjusting system with CO2 tank and sand filter





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1563
Date Stamp:	1/13/2025
Time Stamp:	02:55 PM
Description:	Usage of filtration bag as a structural BMP





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1564
Date Stamp:	1/13/2025
Time Stamp:	02:55 PM
Description:	Rain gauge located near collection pit





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1565
Date Stamp:	1/13/2025
Time Stamp:	02:56 PM
Description:	Location of outfall – no discharge during the stormwater inspection





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1566
Date Stamp:	1/13/2025
Time Stamp:	02:59 PM
Description:	Designated area for truck wash material containers





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1567
Date Stamp:	1/13/2025
Time Stamp:	02:59 PM
Description:	Designated area for truck washout





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1568
Date Stamp:	1/13/2025
Time Stamp:	03:00 PM
Description:	Designated area for truck wash out collection





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1569
Date Stamp:	1/13/2025
Time Stamp:	03:01 PM
Description:	Designated area for used concrete placement/storage





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1570
Date Stamp:	1/13/2025
Time Stamp:	03:04 PM
Description:	Material Storage area with cover





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1571
Date Stamp:	1/13/2025
Time Stamp:	03:04 PM
Description:	55-gallon drums located on spill pad within the material storage area with cover





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1572
Date Stamp:	1/13/2025
Time Stamp:	03:06 PM
Description:	6,000 gallon above ground storage tank (AST) with secondary and tertiary containment





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1573
Date Stamp:	1/13/2025
Time Stamp:	03:30 PM
Description:	View of entrance / exit to the industrial facility – observations of some sediment/dirt track out





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1574
Date Stamp:	1/13/2025
Time Stamp:	03:30 PM
Description:	View of entrance / exit to the industrial facility – observations of some sediment/dirt track out





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1575
Date Stamp:	1/13/2025
Time Stamp:	03:31 PM
Description:	View of the industrial facility – observations of need for dust control





PHOTO LOG

Facility Name:	Concrete Supply Company (CSC) – South Plant, Charlotte, NC
EPA Division:	ECAD
EPA Branch:	Water
EPA Media:	Stormwater - Industrial

Photo ID:	DSCN 1576
Date Stamp:	1/13/2025
Time Stamp:	03:32 PM
Description:	View of entrance / exit to the industrial facility

