Alabama Department of Environmental Management

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

PERMITTEE: HEXCEL CORPORATION

FACILITY LOCATION: HEXCEL CORPORATION
3300 MALLARD FOX DRIVE
DECATUR, ALABAMA 35601
MORGAN COUNTY

PERMIT NUMBER: AL0065137

RECEIVING WATERS:
DSN002: TENNESSEE RIVER (WHEELER LAKE)
DSN003: TENNESSEE RIVER (WHEELER LAKE)
DSN005: TENNESSEE RIVER (WHEELER LAKE)
DSN006: TENNESSEE RIVER (WHEELER LAKE)
DSN007: TENNESSEE RIVER (WHEELER LAKE)
DSN011: TENNESSEE RIVER (WHEELER LAKE)
DSN012: TENNESSEE RIVER (WHEELER LAKE)
DSN015: TENNESSEE RIVER (WHEELER LAKE)
DSN016: TENNESSEE RIVER (WHEELER LAKE)
DSN017: TENNESSEE RIVER (WHEELER LAKE)
DSN018: TENNESSEE RIVER (WHEELER LAKE)
DSN019: TENNESSEE RIVER (WHEELER LAKE)

In accordance with and subject to the provisions of the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§1251-1388 (the "FWPCA"), the Alabama Water Pollution Control Act, as amended, Code of Alabama 1975, §§ 22-22-1 to 22-22-14 (the "AWPCA"), the Alabama Environmental Management Act, as amended, Code of Alabama 1975, §§22-22A-1 to 22-22A-17, and rules and regulations adopted thereunder, and subject further to the terms and conditions set forth in this permit, the Permittee is hereby authorized to discharge into the above-named receiving waters.

ISSUANCE DATE:

EFFECTIVE DATE:

EXPIRATION DATE:

REVISED DRAFT

Alabama Department of Environmental Management

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PART I: DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

DSN 002Y: Fire system test waters 1/ 2/ 3/ 4/ 5/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from DSN 002, which is described more fully in the Permittee's application. Such discharge shall be limited and monitored by the Permittee as specified below:

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

1/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.

2/ BMPs shall be used to prevent pollution during fire system testing and shall be incorporated into the facility BMP Plan. The BMPs shall include at a minimum:

a. All waters shall be discharged in a manner to prevent erosion of soil or other materials into surface waters,
b. The discharge shall have no sheen, and there shall be no discharge of visible oil, floating solids or visible foam in other than trace amounts.
c. Additives such as but not limited to AFFF, firefighting foams, or other fire suppression agents **shall NOT** be added to the test waters, and
d. The discharge drainage areas shall be inspected prior to each fire system test and cleanup performed if materials pose the risk to be carried offsite.

3/ Records shall be maintained in the form of a log for each testing event and shall contain the following information, at a minimum:

a. Date and time of each prior inspection;
b. Date and time of each fire system tests;
c. Any cleanup accomplished as a result of the prior inspection;
d. Initials of person making the visual inspection and performing any cleanup;
e. Description of the discharge including date, time, estimated volume, and duration; and
f. A visual observation of the receiving waterbody after the test has concluded in the immediate vicinity of the discharge location.

4/ The Permittee shall immediately notify the Department if toxicity is observed in the receiving stream.

5/ The Permittee shall submit an electronic **Annual Certification Statement** through the AEPACS system or other approved method by January 28th of each year that certifies, "All discharges during the previous calendar year associated with fire system test waters were in accordance with all of the conditions of the permit." Any noncompliance shall be addressed in a noncompliance form submitted electronically.

DSN 003S, DSN005S, DSN006S, DSN011S, DSN012S, DSN015S, DSN016S, DSN018S, DSN019S

Stormwater runoff associated with the manufacture of polyacrylonitrile (PAN) fibers and carbon fibers 1/ 2/ 3/ 4/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from DSN 003, DSN 005, DSN 006, DSN 011, DSN 012, DSN 015, DSN 016, DSN 018, DSN 019, which are described more fully in the Permittee's application. Such discharges shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency[2]	Sample Type[1]	Seasonal
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Nitrogen, Total (As N) (00600) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Carbon, Tot Organic (TOC) (00680) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Acrylonitrile (34215) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months
Chemical Oxygen Demand (COD) (2) (81017) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.

2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.

3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.

4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.

5/ Outfalls 003S, 005S, 006S, 018S, and 019S have been deemed to be representative stormwater outfalls. Monitoring is required at Outfalls 003S, 005S, 006S, 018S and 019S. Monitoring is not required for Outfalls 011S, 012S, 015S, and 016S. BMP requirements are applicable for every outfall.

DSN 007S: Stormwater runoff associated with the manufacture of Polyacrylonitrile (PAN) fibers and carbon fibers including HVAC condensate and underground infiltration 1/ 2/ 3/ 4/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from DSN 007, which is described more fully in the Permittee's application. Such discharge shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency[2]	Sample Type[1]	Seasonal
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Nitrogen, Total (As N) (00600) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Carbon, Tot Organic (TOC) (00680) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Acrylonitrile (34215) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months
Chemical Oxygen Demand (COD) (2) (81017) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.

2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.

3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.

4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.

DSN 017S: Stormwater runoff associated with the manufacture of Polyacrylonitrile (PAN) fibers and carbon fibers including HVAC condensate and fire test system overflow 1/ 2/ 3/ 4/

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from DSN 017, which is described more fully in the Permittee's application. Such discharge shall be limited and monitored by the Permittee as specified below:

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Frequency[2]	Sample Type[1]	Seasonal
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Nitrogen, Total (As N) (00600) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Carbon, Tot Organic (TOC) (00680) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Acrylonitrile (34215) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months
Chemical Oxygen Demand (COD) (2) (81017) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months

THE DISCHARGE SHALL HAVE NO SHEEN, AND THERE SHALL BE NO DISCHARGE OF VISIBLE OIL, FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

1/ Samples collected to comply with the monitoring requirements specified above shall be collected at the following location: At the nearest accessible location just prior to discharge and after final treatment. Unless otherwise specified, composite samples shall be time composite samples collected using automatic sampling equipment or a minimum of eight (8) equal volume grab samples collected over equal time intervals. All composite samples shall be collected for the total period of discharge not to exceed 24 hours.

2/ If only one sampling event occurs during a month, the sample result shall be reported on the discharge monitoring report as both the monthly average and daily maximum value for all parameters with a monthly average limitation.

3/ See Part IV.A for Best Management Practices (BMP) Plan Requirements.

4/ See Part IV.B for Stormwater Measurement and Sampling Requirements.

B. Discharge Monitoring and Record Keeping Requirements

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge and shall be in accordance with the provisions of this permit.

2. Test Procedures

For the purpose of reporting and compliance, permittees shall use one of the following procedures:

a. For parameters with an EPA established Minimum Level (ML), report the measured value if the analytical result is at or above the ML and report "0" for values below the ML. Test procedures for the analysis of pollutants shall conform to 40 CFR Part 136 and guidelines published pursuant to Section 304(h) of the FWPCA, 33 U.S.C. Section 1314(h). If more than one method for analysis of a substance is approved for use, a method having a minimum level lower than the permit limit shall be used. If the minimum level of all methods is higher than the permit limit, the method having the lowest minimum level shall be used and a report of less than the minimum level shall be reported as zero and will constitute compliance; however, should EPA approve a method with a lower minimum level during the term of this permit the permittee shall use the newly approved method.

b. For pollutants parameters without an established ML, an interim ML may be utilized. The interim ML shall be calculated as 3.18 times the Method Detection Level (MDL) calculated pursuant to 40 CFR Part 136, Appendix B.

Permittees may develop an effluent matrix-specific ML, where an effluent matrix prevents attainment of the established ML. However, a matrix specific ML shall be based upon proper laboratory method and technique. Matrix-specific MLs must be approved by the Department, and may be developed by the permittee during permit issuance, reissuance, modification, or during compliance schedule.

In either case the measured value should be reported if the analytical result is at or above the ML and "0" reported for values below the ML.

c. For parameters without an EPA established ML, interim ML, or matrix-specific ML, a report of less than the detection limit shall constitute compliance if the detection limit of all analytical methods is higher than the permit limit using the most sensitive EPA approved method. For the purpose of calculating a monthly average, "0" shall be used for values reported less than the detection limit.

The Minimum Level utilized for procedures A and B above shall be reported on the permittee's DMR. When an EPA approved test procedure for analysis of a pollutant does not exist, the Director shall approve the procedure to be used.

3. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

a. The facility name and location, point source number, date, time and exact place of sampling;

b. The name(s) of person(s) who obtained the samples or measurements;

c. The dates and times the analyses were performed;

d. The name(s) of the person(s) who performed the analyses;

e. The analytical techniques or methods used, including source of method and method number; and

f. The results of all required analyses.

4. Records Retention and Production

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete the above reports or the application for this permit, for a period of at least three years from the date of the sample measurement, report or application. This period may be extended by request of the Director at any time. If litigation or other enforcement action, under the AWPCA and/or the FWPCA, is ongoing which involves any of the above records, the records shall be kept until the litigation is resolved. Upon the written request of the Director or his designee, the permittee shall provide the Director with a copy of any record required to be retained by this paragraph. Copies of these records shall not be submitted unless requested.

All records required to be kept for a period of three years shall be kept at the permitted facility or an alternate location approved by the Department in writing and shall be available for inspection.

5. Monitoring Equipment and Instrumentation

All equipment and instrumentation used to determine compliance with the requirements of this permit shall be installed, maintained, and calibrated in accordance with the manufacturer's instructions or, in the absence of manufacturer's instructions, in accordance with accepted practices. The permittee shall develop and maintain quality assurance procedures to ensure proper operation and maintenance of all equipment and instrumentation. The quality assurance procedures shall include the proper use, maintenance, and installation, when appropriate, of monitoring equipment at the plant site.

C. Discharge Reporting Requirements

1. Reporting of Monitoring Requirements

a. The permittee shall conduct the required monitoring in accordance with the following schedule:

MONITORING REQUIRED MORE FREQUENTLY THAN MONTHLY AND MONTHLY shall be conducted during the first full month following the effective date of coverage under this permit and every month thereafter.

QUARTERLY MONITORING shall be conducted at least once during each calendar quarter. Calendar quarters are the periods of January through March, April through June, July through September, and October through December. The permittee shall conduct the quarterly monitoring during the first complete calendar quarter following the effective date of this permit and is then required to monitor once during each quarter thereafter. Quarterly monitoring may be done anytime during the quarter, unless restricted elsewhere in this permit, but it should be submitted with the last DMR due for the quarter, i.e., (March, June, September and December DMR's).

SEMIANNUAL MONITORING shall be conducted at least once during the period of January through June and at least once during the period of July through December. The permittee shall conduct the semiannual monitoring during the first complete calendar semiannual period following the effective date of this permit and is then required to monitor once during each semiannual period thereafter. Semiannual monitoring may be done anytime during the semiannual period, unless restricted elsewhere in this permit, but it should be submitted with the last DMR for the month of the semiannual period, i.e. (June and December DMR's).

ANNUAL MONITORING shall be conducted at least once during the period of January through December. The permittee shall conduct the annual monitoring during the first complete calendar annual period following the effective date of this permit and is then required to monitor once during each annual period thereafter. Annual monitoring may be done anytime during the year, unless restricted elsewhere in this permit, but it should be submitted with the December DMR.

b. The permittee shall submit discharge monitoring reports (DMRs) on the forms provided by the Department and in accordance with the following schedule:

REPORTS OF MORE FREQUENTLY THAN MONTHLY AND MONTHLY TESTING shall be submitted on a **monthly** basis. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

REPORTS OF QUARTERLY TESTING shall be submitted on a **quarterly** basis. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

REPORTS OF SEMIANNUAL TESTING shall be submitted on a semiannual basis. The reports are due on the 28th day of JANUARY and the 28th day of JULY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

REPORTS OF ANNUAL TESTING shall be submitted on an annual basis. The first report is due on the 28th day of JANUARY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.

c. Except as allowed by Provision I.C.1.c.(1) or (2), the permittee shall submit all Discharge Monitoring Reports (DMRs) required by Provision I.C.1.b electronically.

(1) If the permittee is unable to complete the electronic submittal of DMR data due to technical problems originating with the Department's electronic system (this could include entry/submittal issues with an entire set of DMRs or individual parameters), the permittee is not relieved of their obligation to submit DMR data to the Department by the date specified in Provision I.C.1.b, unless otherwise directed by the Department.

If the Department's electronic system is down on the 28th day of the month in which the DMR is due or is down for an extended period of time, as determined by the Department, when a DMR is required to be submitted, the permittee may submit the data in an alternate manner and format acceptable to the Department. Preapproved alternate acceptable methods include faxing, e-mailing, mailing, or hand-delivery of data such that they are received by the required reporting date. Within 5 calendar days of the Department's electronic system resuming operation, the permittee shall enter the data into the Department's electronic system, unless an alternate timeframe is approved by

the Department. A comment should be included on the electronic DMR submittal verifying the original submittal date (date of the fax, copy of the dated e-mail, or hand-delivery stamped date), if applicable.

(2) The permittee may submit a request to the Department for a temporary electronic reporting waiver for DMR submittals. The waiver request should include the permit number; permittee name; facility/site name; facility address; name, address, and contact information for the responsible official or duly authorized representative; a detailed statement regarding the basis for requesting such a waiver; and the duration for which the waiver is requested. Approved electronic reporting waivers are not transferrable.

Permittees with an approved electronic reporting waiver for DMRs may submit hard copy DMRs for the period that the approved electronic reporting waiver request is effective. The permittee shall submit the Department-approved DMR forms to the address listed in Provision I.C.1.e.

(3) If a permittee is allowed to submit a hard copy DMR, the DMR must be legible and bear an original signature. Photo and electronic copies of the signature are not acceptable and shall not satisfy the reporting requirements of this permit.

(4) If the permittee, using approved analytical methods as specified in Provision I.B.2, monitors any discharge from a point source for a limited substance identified in Provision I.A. of this permit more frequently than required by this permit, the results of such monitoring shall be included in the calculation and reporting of values on the DMR and the increased frequency shall be indicated on the DMR.

(5) In the event no discharge from a point source identified in Provision I.A. of this permit and described more fully in the permittee's application occurs during a monitoring period, the permittee shall report "No Discharge" for such period on the appropriate DMR.

d. All reports and forms required to be submitted by this permit, the AWPCA and the Department's Rules, shall be electronically signed (or, if allowed by the Department, traditionally signed) by a "responsible official" of the permittee as defined in ADEM Administrative Code Rule 335-6-6-.09 or a "duly authorized representative" of such official as defined in ADEM Administrative Code Rule 335-6-6-.09 and shall bear the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

e. Discharge Monitoring Reports required by this permit, the AWPCA, and the Department's Rules that are being submitted in hard copy shall be addressed to:

Alabama Department of Environmental Management
Water Division
Office of Water Services
Post Office Box 301463
Montgomery, Alabama 36130-1463

Certified and Registered Mail containing Discharge Monitoring Reports shall be addressed to:

Alabama Department of Environmental Management
Water Division
Office of Water Services
1400 Coliseum Boulevard
Montgomery, Alabama 36110-2400

f. All other correspondence and reports required to be submitted by this permit, the AWPCA, and the Department's Rules shall be addressed to:

Alabama Department of Environmental Management
Water Division
Post Office Box 301463
Montgomery, Alabama 36130-1463

Certified and Registered Mail shall be addressed to:

Alabama Department of Environmental Management
Water Division
1400 Coliseum Boulevard
Montgomery, Alabama 36110-2400

g. If this permit is a re-issuance, then the permittee shall continue to submit DMRs in accordance with the requirements of their previous permit until such time as DMRs are due as discussed in Part I.C.1.b above.

2. Noncompliance Notification

a. 24-Hour Noncompliance Reporting

The permittee shall report to the Director, within 24-hours of becoming aware of the noncompliance, any noncompliance which may endanger health or the environment. This shall include but is not limited to the following circumstances:

(1) does not comply with any daily minimum or maximum discharge limitation for an effluent characteristic specified in Provision I. A. of this permit which is denoted by an "(X)";

(2) threatens human health or welfare, fish or aquatic life, or water quality standards;

(3) does not comply with an applicable toxic pollutant effluent standard or prohibition established under Section 307(a) of the FWPCA, 33 U.S.C. Section 1317(a);

(4) contains a quantity of a hazardous substance which has been determined may be harmful to public health or welfare under Section 311(b)(4) of the FWPCA, 33 U.S.C. Section 1321(b)(4);

(5) exceeds any discharge limitation for an effluent characteristic as a result of an unanticipated bypass or upset; and

(6) is an unpermitted direct or indirect discharge of a pollutant to a water of the state (unpermitted discharges properly reported to the Department under any other requirement are not required to be reported under this provision).

The permittee shall orally report the occurrence and circumstances of such discharge to the Director within 24-hours after the permittee becomes aware of the occurrence of such discharge. In addition to the oral report, the permittee shall submit to the Director or Designee a written report as provided in Part I.C.2.c no later than five (5) days after becoming aware of the occurrence of such discharge.

b. If for any reason, the permittee's discharge does not comply with any limitation of this permit, the permittee shall submit to the Director or Designee a written report as provided in Part I.C.2.c below, such report shall be submitted with the next Discharge Monitoring Report required to be submitted by Part I.C.1 of this permit after becoming aware of the occurrence of such noncompliance.

c. Any written report required to be submitted to the Director or Designee by Part I.C.2 a. or b. shall be submitted using a Noncompliance Notification Form (ADEM Form 421) available on the Department's website (http://adem.alabama.gov/DeptForms/Form421.pdf) and include the following information:

(1) A description of the discharge and cause of noncompliance;

(2) The period of noncompliance, including exact dates and times or, if not corrected, the anticipated time the noncompliance is expected to continue; and

(3) A description of the steps taken and/or being taken to reduce or eliminate the noncomplying discharge and to prevent its recurrence.steps taken and/or being taken to reduce or eliminate the noncomplying discharge and to prevent its recurrence.

D. Other Reporting and Notification Requirements

1. Anticipated Noncompliance

The permittee shall give the Director written advance notice of any planned changes or other circumstances regarding a facility which may result in noncompliance with permit requirements.

2. Termination of Discharge

The permittee shall notify the Director, in writing, when all discharges from any point source(s) identified in Provision I. A. of this permit have permanently ceased. This notification shall serve as sufficient cause for instituting procedures for modification or termination of the permit.

3. Updating Information

a. The permittee shall inform the Director of any change in the permittee's mailing address, telephone number or in the permittee's designation of a facility contact or office having the authority and responsibility to prevent and abate violations of the AWPCA, the Department's Rules, and the terms and conditions of this permit, in writing, no later than ten (10) days after such change. Upon request of the Director or his designee, the permittee shall furnish the Director with an update of any information provided in the permit application.

b. If the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information with a written explanation for the mistake and/or omission.

4. Duty to Provide Information

The permittee shall furnish to the Director, within a reasonable time, any information which the Director or his designee may request to determine whether cause exists for modifying, revoking and re-issuing, suspending, or terminating this permit, in whole or in part, or to determine compliance with this permit.

5. Cooling Water and Boiler Water Additives

a. The permittee shall notify the Director in writing not later than thirty (30) days prior to instituting the use of any biocide corrosion inhibitor or chemical additive in a cooling or boiler system, not identified in the application for this permit, from which discharge is allowed by this permit. Notification is not required for additives that do not contain a heavy metal(s) as an active ingredient and that pass through a wastewater treatment system prior to discharge nor is notification required for additives that should not reasonably be expected to cause the cooling water or boiler water to exhibit toxicity as determined by analysis of manufacturer's data or testing by the permittee. Such notification shall include:

(1) name and general composition of biocide or chemical;

(2) 96-hour median tolerance limit data for organisms representative of the biota of the waterway into which the discharge will ultimately reach;

(3) quantities to be used;

(4) frequencies of use;

(5) proposed discharge concentrations; and

(6) EPA registration number, if applicable.

b. The use of a biocide or additive containing tributyl tin, tributyl tin oxide, zinc, chromium or related compounds in cooling or boiler system(s), from which a discharge regulated by this permit occurs, is prohibited except as exempted below. The use of a biocide or additive containing zinc, chromium or related compounds may be used in special circumstances if (1) the permit contains limits for these substances, or (2) the applicant demonstrates during the application process that the use of zinc, chromium or related compounds as a biocide or additive will not pose a reasonable potential to violate the applicable State water quality standards for these substances. The use of any additive, not identified in this permit or in the application for this permit or not exempted from notification under this permit is prohibited, prior to a determination by the Department that permit modification to control discharge of the additive is not required or prior to issuance of a permit modification controlling discharge of the additive.

6. Permit Issued Based on Estimated Characteristics

a. If this permit was issued based on estimates of the characteristics of a process discharge reported on an EPA NPDES Application Form 2D (EPA Form 3510-2D), the permittee shall complete and submit an EPA NPDES Application Form 2C (EPA Form 3510-2C) no later than two years after the date that discharge begins. Sampling required for completion of the Form 2C shall occur when a discharge(s) from the process(s) causing the new or increased discharge is occurring. If this permit was issued based on estimates concerning the composition of a stormwater discharge(s), the permittee shall perform the sampling required by EPA NPDES Application Form 2F (EPA Form 3510-2F) no later than one year after the industrial activity generating the stormwater discharge has been fully initiated.

b. This permit shall be reopened if required to address any new information resulting from the completion and submittal of the Form 2C and or 2F.

E. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the discharge limitations specified in Provision I. A. in accordance with the following schedule:

COMPLIANCE SHALL BE ATTAINED ON THE EFFECTIVE DATE OF THIS PERMIT

2. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

PART II: OTHER REQUIREMENTS, RESPONSIBILITIES, AND DUTIES

A. Operational and Management Requirements

1. Facilities Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities only when necessary to achieve compliance with the conditions of the permit.

2. Best Management Practices

a. Dilution water shall not be added to achieve compliance with discharge limitations except when the Director or his designee has granted prior written authorization for dilution to meet water quality requirements.

b. The permittee shall prepare, implement, and maintain a Spill Prevention, Control and Countermeasures (SPCC) Plan in accordance with 40 C.F.R. Section 112 if required thereby.

c. The permittee shall prepare, submit for approval and implement a Best Management Practices (BMP) Plan for containment of any or all process liquids or solids, in a manner such that these materials do not present a significant potential for discharge, if so required by the Director or his designee. When submitted and approved, the BMP Plan shall become a part of this permit and all requirements of the BMP Plan shall become requirements of this permit.

3. Spill Prevention, Control, and Management

The permittee shall provide spill prevention, control, and/or management sufficient to prevent any spills of pollutants from entering a water of the state or a publicly or privately owned treatment works. Any containment system used to implement this requirement shall be constructed of materials compatible with the substance(s) contained and which shall prevent the contamination of groundwater and such containment system shall be capable of retaining a volume equal to 110 percent of the capacity of the largest tank for which containment is provided.

B. Other Responsibilities

1. Duty to Mitigate Adverse Impacts

The permittee shall promptly take all reasonable steps to mitigate and minimize or prevent any adverse impact on human health or the environment resulting from noncompliance with any discharge limitation specified in Provision I. A. of this permit, including such accelerated or additional monitoring of the discharge and/or the receiving waterbody as necessary to determine the nature and impact of the noncomplying discharge.

2. Right of Entry and Inspection

The permittee shall allow the Director, or an authorized representative, upon the presentation of proper credentials and other documents as may be required by law to:

a. enter upon the permittee's premises where a regulated facility or activity or point source is located or conducted, or where records must be kept under the conditions of the permit;

b. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

c. inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under the permit; and

d. sample or monitor, for the purposes of assuring permit compliance or as otherwise authorized by the AWPCA, any substances or parameters at any location.

C. Bypass and Upset

1. Bypass

a. Any bypass is prohibited except as provided in b. and c. below:

b. A bypass is not prohibited if:

(1) It does not cause any discharge limitation specified in Provision I. A. of this permit to be exceeded;

(2) It enters the same receiving stream as the permitted outfall; and

(3) It is necessary for essential maintenance of a treatment or control facility or system to assure efficient operation of such facility or system.

c. A bypass is not prohibited and need not meet the discharge limitations specified in Provision I. A. of this permit if:

(1) It is unavoidable to prevent loss of life, personal injury, or severe property damage;

(2) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime (this condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance); and

(3) The permittee submits a written request for authorization to bypass to the Director at least ten (10) days prior to the anticipated bypass (if possible), the permittee is granted such authorization, and the permittee complies with any conditions imposed by the Director to minimize any adverse impact on human health or the environment resulting from the bypass.

d. The permittee has the burden of establishing that each of the conditions of Provision II.C.1.b. or c. have been met to qualify for an exception to the general prohibition against bypassing contained in a. and an exemption, where applicable, from the discharge limitations specified in Provision I. A. of this permit.

2. Upset

a. A discharge which results from an upset need not meet the discharge limitations specified in Provision I. A. of this permit if:

(1) No later than 24-hours after becoming aware of the occurrence of the upset, the permittee orally reports the occurrence and circumstances of the upset to the Director or his designee; and

(2) No later than five (5) days after becoming aware of the occurrence of the upset, the permittee furnishes the Director with evidence, including properly signed, contemporaneous operating logs, or other relevant evidence, demonstrating that (i) an upset occurred; (ii) the permittee can identify the specific cause(s) of the upset; (iii) the permittee's facility was being properly operated at the time of the upset; and (iv) the permittee promptly took all reasonable steps to minimize any adverse impact on human health or the environment resulting from the upset.

b. The permittee has the burden of establishing that each of the conditions of Provision II. C.2.a. of this permit have been met to qualify for an exemption from the discharge limitations specified in Provision I.A. of this permit.

D. Duty to Comply with Permit, Rules, and Statutes

1. Duty to Comply

a. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the AWPCA and the FWPCA and is grounds for enforcement action, for permit termination, revocation and reissuance, suspension, modification; or denial of a permit renewal application.

b. The necessity to halt or reduce production or other activities in order to maintain compliance with the conditions of the permit shall not be a defense for a permittee in an enforcement action.

c. The discharge of a pollutant from a source not specifically identified in the permit application for this permit and not specifically included in the description of an outfall in this permit is not authorized and shall constitute noncompliance with this permit.

d. The permittee shall take all reasonable steps, including cessation of production or other activities, to minimize or prevent any violation of this permit or to minimize or prevent any adverse impact of any permit violation.

e. Nothing in this permit shall be construed to preclude and negate the permittee's responsibility or liability to apply for, obtain, or comply with other ADEM, Federal, State, or Local Government permits, certifications, licenses, or other approvals.

2. Removed Substances

Solids, sludges, filter backwash, or any other pollutant or other waste removed in the course of treatment or control of wastewaters shall be disposed of in a manner that complies with all applicable Department Rules.

3. Loss or Failure of Treatment Facilities

Upon the loss or failure of any treatment facilities, including but not limited to the loss or failure of the primary source of power of the treatment facility, the permittee shall, where necessary to maintain compliance with the discharge limitations specified in Provision I. A. of this permit, or any other terms or conditions of this permit, cease, reduce, or otherwise control production and/or all discharges until treatment is restored. If control of discharge during loss or failure of the primary source of power is to be

accomplished by means of alternate power sources, standby generators, or retention of inadequately treated effluent, the permittee must furnish to the Director within six months a certification that such control mechanisms have been installed.

4. **Compliance with Statutes and Rules**

a. This permit has been issued under ADEM Administrative Code, Chapter 335-6-6. All provisions of this chapter, that are applicable to this permit, are hereby made a part of this permit. A copy of this chapter may be obtained for a small charge from the Office of General Counsel, Alabama Department of Environmental Management, 1400 Coliseum Blvd., Montgomery, AL 36130.

b. This permit does not authorize the noncompliance with or violation of any Laws of the State of Alabama or the United States of America or any regulations or rules implementing such laws. FWPCA, 33 U.S.C. Section 1319, and Code of Alabama 1975, Section 22-22-14.

E. PERMIT TRANSFER, MODIFICATION, SUSPENSION, REVOCATION, AND REISSUANCE

1. **Duty to Reapply or Notify of Intent to Cease Discharge**

a. If the permittee intends to continue to discharge beyond the expiration date of this permit, the permittee shall file a complete permit application for reissuance of this permit at least 180 days prior to its expiration. If the permittee does not intend to continue discharge beyond the expiration of this permit, the permittee shall submit written notification of this intent which shall be signed by an individual meeting the signatory requirements for a permit application as set forth in ADEM Administrative Code Rule 335-6-6-.09.

b. Failure of the permittee to apply for reissuance at least 180 days prior to permit expiration will void the automatic continuation of the expiring permit provided by ADEM Administrative Code Rule 335-6-6-.06 and should the permit not be reissued for any reason any discharge after expiration of this permit will be an unpermitted discharge.

2. **Change in Discharge**

a. The permittee shall apply for a permit modification at least 180 days in advance of any facility expansion, production increase, process change, or other action that could result in the discharge of additional pollutants or increase the quantity of a discharged pollutant such that existing permit limitations would be exceeded or that could result in an additional discharge point. This requirement applies to pollutants that are or that are not subject to discharge limitations in this permit. No new or increased discharge may begin until the Director has authorized it by issuance of a permit modification or a reissued permit.

b. The permittee shall notify the Director as soon as it is known or there is reason to believe:

(1) That any activity has occurred or will occur which would result in the discharge on a routine or frequent basis, of any toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following notification levels:

(i) one hundred micrograms per liter;

(ii) two hundred micrograms per liter for acrolein and acrylonitrile; five hundred micrograms per liter for 2,4-dinitrophenol and for 2-methyl-4,6-dini-trophenol; and one milligram per liter for antimony;

(iii) five times the maximum concentration value reported for that pollutant in the permit application; or

(2) That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:

(i) five hundred micrograms per liter;

(ii) one milligram per liter for antimony;

(iii) ten times the maximum concentration value reported for that pollutant in the permit application.

3. **Transfer of Permit**

This permit may not be transferred or the name of the permittee changed without notice to the Director and subsequent modification or revocation and reissuance of the permit to identify the new permittee and to incorporate any other changes as may be required under the FWPCA or AWPCA. In the case of a change in name, ownership or control of the permittee's premises only, a request for permit modification in a format acceptable to the Director is required at least 30 days prior to the change. In the case of a change in name, ownership or control of the permittee's premises accompanied by a change or proposed change in effluent characteristics, a complete permit application is required to be submitted to the Director at least 180 days prior to the change. Whenever the Director is notified of a change in name, ownership or control, he may decide not to modify the existing permit and require the submission of a new permit application.

4. Permit Modification and Revocation

a. This permit may be modified or revoked and reissued, in whole or in part, during its term for cause, including but not limited to, the following:

(1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to revoke and reissue this permit instead of terminating the permit;

(2) If a request to transfer this permit has been received, the Director may decide to revoke and reissue or to modify the permit; or

(3) If modification or revocation and reissuance is requested by the permittee and cause exists, the Director may grant the request.

b. This permit may be modified during its term for cause, including but not limited to, the following:

(1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to modify this permit instead of terminating this permit;

(2) There are material and substantial alterations or additions to the facility or activity generating wastewater which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit;

(3) The Director has received new information that was not available at the time of permit issuance and that would have justified the application of different permit conditions at the time of issuance;

(4) A new or revised requirement(s) of any applicable standard or limitation is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA;

(5) Errors in calculation of discharge limitations or typographical or clerical errors were made;

(6) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, when the standards or regulations on which the permit was based have been changed by promulgation of amended standards or regulations or by judicial decision after the permit was issued;

(7) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, permits may be modified to change compliance schedules;

(8) To agree with a granted variance under 30l(c), 30l(g), 30l(h), 30l(k), or 3l6(a) of the FWPCA or for fundamentally different factors;

(9) To incorporate an applicable 307(a) FWPCA toxic effluent standard or prohibition;

(10) When required by the reopener conditions in this permit;

(11) When required under 40 CFR 403.8(e) (compliance schedule for development of pretreatment program);

(12) Upon failure of the state to notify, as required by Section 402(b)(3) of the FWPCA, another state whose waters may be affected by a discharge permitted by this permit;

(13) When required to correct technical mistakes, such as errors in calculation, or mistaken interpretations of law made in determining permit conditions; or

(14) When requested by the permittee and the Director determines that the modification has cause and will not result in a violation of federal or state law, regulations or rules.

5. Permit Termination

This permit may be terminated during its term for cause, including but not limited to, the following:

a. Violation of any term or condition of this permit;

b. The permittee's misrepresentation or failure to disclose fully all relevant facts in the permit application or during the permit issuance process or the permittee's misrepresentation of any relevant facts at any time;

c. Materially false or inaccurate statements or information in the permit application or the permit;

d. A change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge;

e. The permittee's discharge threatens human life or welfare or the maintenance of water quality standards;

f. Permanent closure of the facility generating the wastewater permitted to be discharged by this permit or permanent cessation of wastewater discharge;

g. New or revised requirements of any applicable standard or limitation that is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA that the Director determines cannot be complied with by the permittee; or

h. Any other cause allowed by the ADEM Administrative Code, Chapter 335-6-6.

6. Permit Suspension

This permit may be suspended during its term for noncompliance until the permittee has taken action(s) necessary to achieve compliance.

7. Request for Permit Action Does Not Stay Any Permit Requirement

The filing of a request by the permittee for modification, suspension or revocation of this permit, in whole or in part, does not stay any permit term or condition.

F. COMPLIANCE WITH TOXIC POLLUTANT STANDARD OR PROHIBITION

If any applicable effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the FWPCA, 33 U.S.C. Section 1317(a), for a toxic pollutant discharged by the permittee and such standard or prohibition is more stringent than any discharge limitation on the pollutant specified in Provision I. A. of this permit, or controls a pollutant not limited in Provision I. A. of this permit, this permit shall be modified to conform to the toxic pollutant effluent standard or prohibition and the permittee shall be notified of such modification. If this permit has not been modified to conform to the toxic pollutant effluent standard or prohibition before the effective date of such standard or prohibition, the permittee shall attain compliance with the requirements of the standard or prohibition within the time period required by the standard or prohibition and shall continue to comply with the standard or prohibition until this permit is modified or reissued.

G. DISCHARGE OF WASTEWATER GENERATED BY OTHERS

The discharge of wastewater, generated by any process, facility, or by any other means not under the operational control of the permittee or not identified in the application for this permit or not identified specifically in the description of an outfall in this permit is not authorized by this permit.

PART III: OTHER PERMIT CONDITIONS

A. Civil and Criminal Liability

1. Tampering

Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained or performed under the permit shall, upon conviction, be subject to penalties as provided by the AWPCA.

2. False Statements

Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be subject to penalties as provided by the AWPCA.

3. Permit Enforcement

a. Any NPDES permit issued or reissued by the Department is a permit for the purpose of the AWPCA and the FWPCA and as such any terms, conditions, or limitations of the permit are enforceable under state and federal law.

b. Any person required to have a NPDES permit pursuant to ADEM Administrative Code Chapter 335-6-6 and who discharges pollutants without said permit, who violates the conditions of said permit, who discharges pollutants in a manner not authorized by the permit, or who violates applicable orders of the Department or any applicable rule or standard of the Department, is subject to any one or combination of the following enforcement actions under applicable state statutes.

(1) An administrative order requiring abatement, compliance, mitigation, cessation, clean-up, and/or penalties;

(2) An action for damages;

(3) An action for injunctive relief; or

(4) An action for penalties.

c. If the permittee is not in compliance with the conditions of an expiring or expired permit the Director may choose to do any or all of the following provided the permittee has made a timely and complete application for reissuance of the permit:

(1) initiate enforcement action based upon the permit which has been continued;

(2) issue a notice of intent to deny the permit reissuance. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;

(3) reissue the new permit with appropriate conditions; or

(4) take other actions authorized by these rules and AWPCA.

4. Relief from Liability

Except as provided in Provision II.C.1 (Bypass) and Provision II.C.2 (Upset), nothing in this permit shall be construed to relieve the permittee of civil or criminal liability under the AWPCA or FWPCA for noncompliance with any term or condition of this permit.

B. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject under Section 311 of the FWPCA, 33 U.S.C. Section 1321.

C. Property and Other Rights

This permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to persons or property or invasion of other private rights, trespass, or any infringement of federal, state, or local laws or regulations, nor does it authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any waters of the state or of the United States.

D. Availability of Reports

Except for data determined to be confidential under Code of Alabama 1975, Section 22-22-9(c), all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department. Effluent data shall not be considered confidential.

E. Expiration of Permits for New or Increased Discharges

1. If this permit was issued for a new discharger or new source, this permit shall expire eighteen months after the issuance date if construction of the facility has not begun during the eighteen-month period.

2. If this permit was issued or modified to allow the discharge of increased quantities of pollutants to accommodate the modification of an existing facility and if construction of this modification has not begun during the eighteen month period after issuance of this permit or permit modification, this permit shall be modified to reduce the quantities of pollutants allowed to be discharged to those levels that would have been allowed if the modification of the facility had not been planned.

3. Construction has begun when the owner or operator has:

   a. begun, or caused to begin as part of a continuous on-site construction program:

      (1) any placement, assembly, or installation of facilities or equipment; or

      (2) significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which is necessary for the placement, assembly, or installation of new source facilities or equipment; or

   b. entered into a binding contractual obligation for the purpose of placement, assembly, or installation of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under the paragraph. The entering into a lease with the State of Alabama for exploration and production of hydrocarbons shall also be considered beginning construction.

F. Compliance with Water Quality Standards

1. On the basis of the permittee's application, plans, or other available information, the Department has determined that compliance with the terms and conditions of this permit should assure compliance with the applicable water quality standards.

2. Compliance with permit terms and conditions notwithstanding, if the permittee's discharge(s) from point sources identified in Provision I. A. of this permit cause or contribute to a condition in contravention of state water quality standards, the Department

may require abatement action to be taken by the permittee in emergency situations or modify the permit pursuant to the Department's Rules, or both.

3. If the Department determines, on the basis of a notice provided pursuant to this permit or any investigation, inspection or sampling, that a modification of this permit is necessary to assure maintenance of water quality standards or compliance with other provisions of the AWPCA or FWPCA, the Department may require such modification and, in cases of emergency, the Director may prohibit the discharge until the permit has been modified.

G. Groundwater

Unless specifically authorized under this permit, this permit does not authorize the discharge of pollutants to groundwater. Should a threat of groundwater contamination occur, the Director may require groundwater monitoring to properly assess the degree of the problem and the Director may require that the Permittee undertake measures to abate any such discharge and/or contamination.

H. Definitions

1. Average monthly discharge limitation - means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).

2. Average weekly discharge limitation - means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).

3. Arithmetic Mean – means the summation of the individual values of any set of values divided by the number of individual values.

4. AWPCA - means the Alabama Water Pollution Control Act.

5. BOD – means the five-day measure of the pollutant parameter biochemical oxygen demand.

6. Bypass - means the intentional diversion of waste streams from any portion of a treatment facility.

7. CBOD – means the five-day measure of the pollutant parameter carbonaceous biochemical oxygen demand.

8. Daily discharge - means the discharge of a pollutant measured during any consecutive 24-hour period in accordance with the sample type and analytical methodology specified by the discharge permit.

9. Daily maximum - means the highest value of any individual sample result obtained during a day.

10. Daily minimum - means the lowest value of any individual sample result obtained during a day.

11. Day - means any consecutive 24-hour period.

12. Department - means the Alabama Department of Environmental Management.

13. Director - means the Director of the Department.

14. Discharge - means "[t]he addition, introduction, leaking, spilling or emitting of any sewage, industrial waste, pollutant or other wastes into waters of the state". Code of Alabama 1975, Section 22-22-1(b)(8).

15. Discharge Monitoring Report (DMR) - means the form approved by the Director to accomplish reporting requirements of an NPDES permit.

16. DO – means dissolved oxygen.

17. 8HC – means 8-hour composite sample, including any of the following:

    a. The mixing of at least 5 equal volume samples collected at constant time intervals of not more than 2 hours over a period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.

    b. A sample continuously collected at a constant rate over period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.

18. EPA - means the United States Environmental Protection Agency.

19. FC – means the pollutant parameter fecal coliform.

20. Flow – means the total volume of discharge in a 24-hour period.

21. FWPCA - means the Federal Water Pollution Control Act.

22. Geometric Mean – means the Nth root of the product of the individual values of any set of values where N is equal to the number of individual values. The geometric mean is equivalent to the antilog of the arithmetic mean of the logarithms of the individual values. For purposes of calculating the geometric mean, values of zero (0) shall be considered one (1).

23. Grab Sample – means a single influent or effluent portion which is not a composite sample. The sample(s) shall be collected at the period(s) most representative of the discharge.

24. Indirect Discharger – means a nondomestic discharger who discharges pollutants to a publicly owned treatment works or a privately owned treatment facility operated by another person.

25. Industrial User – means those industries identified in the Standard Industrial Classification manual, Bureau of the Budget 1967, as amended and supplemented, under the category "Division D – Manufacturing" and such other classes of significant waste producers as, by regulation, the Director deems appropriate.

26. MGD – means million gallons per day.

27. Monthly Average – means, other than for fecal coliform bacteria, the arithmetic mean of the entire composite or grab samples taken for the daily discharges collected in one month period. The monthly average for fecal coliform bacteria is the geometric mean of daily discharge samples collected in a one month period. The monthly average for flow is the arithmetic mean of all flow measurements taken in a one month period.

28. New Discharger – means a person, owning or operating any building, structure, facility or installation:

    a. from which there is or may be a discharge of pollutants;

    b. that did not commence the discharge of pollutants prior to August 13, 1979, and which is not a new source; and

    c. which has never received a final effective NPDES permit for dischargers at that site.

29. NH3-N – means the pollutant parameter ammonia, measured as nitrogen.

30. Permit application - means forms and additional information that is required by ADEM Administrative Code Rule 335-6-6-.08 and applicable permit fees.

31. Point source - means "any discernible, confined and discrete conveyance, including but not limited to any pipe, channel, ditch, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, or vessel or other floating craft, . . . from which pollutants are or may be discharged." Section 502(14) of the FWPCA, 33 U.S.C. Section 1362(14).

32. Pollutant - includes for purposes of this permit, but is not limited to, those pollutants specified in Code of Alabama 1975, Section 22-22-1(b)(3) and those effluent characteristics specified in Provision I. A. of this permit.

33. Privately Owned Treatment Works – means any devices or system which is used to treat wastes from any facility whose operator is not the operator of the treatment works, and which is not a "POTW".

34. Publicly Owned Treatment Works – means a wastewater collection and treatment facility owned by the State, municipality, regional entity composed of two or more municipalities, or another entity created by the State or local authority for the purpose of collecting and treating municipal wastewater.

35. Receiving Stream – means the "waters" receiving a "discharge" from a "point source".

36. Severe property damage - means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

37. Significant Source – means a source which discharges 0.025 MGD or more to a POTW or greater than five percent of the treatment work's capacity, or a source which is a primary industry as defined by the U.S. EPA or which discharges a priority or toxic pollutant.

38. Solvent – means any virgin, used or spent organic solvent(s) identified in the F-Listed wastes (F001 through F005) specified in 40 CFR 261.31 that is used for the purpose of solubilizing other materials.

39. TKN – means the pollutant parameter Total Kjeldahl Nitrogen.

40. TON – means the pollutant parameter Total Organic Nitrogen.

41. TRC – means Total Residual Chlorine.

42. TSS – means the pollutant parameter Total Suspended Solids.

43. 24HC – means 24-hour composite sample, including any of the following:

    a. the mixing of at least 12 equal volume samples collected at constant time intervals of not more than 2 hours over a period of 24 hours;

    b. a sample collected over a consecutive 24-hour period using an automatic sampler composite to one sample. As a minimum, samples shall be collected hourly and each shall be no more than one twenty-fourth (1/24) of the total sample volume collected; or

    c. a sample collected over a consecutive 24-hour period using an automatic composite sampler composited proportional to flow.

44. Upset - means an exceptional incident in which there is an unintentional and temporary noncompliance with technology-based permit discharge limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

45. Waters - means "[a]ll waters of any river, stream, watercourse, pond, lake, coastal, ground or surface water, wholly or partially within the state, natural or artificial. This does not include waters which are entirely confined and retained completely upon the property of a single individual, partnership or corporation unless such waters are used in interstate commerce." Code of Alabama 1975, Section 22-22-1(b)(2). Waters "include all navigable waters" as defined in Section 502(7) of the FWPCA, 22 U.S.C. Section 1362(7), which are within the State of Alabama.

46. Week - means the period beginning at twelve midnight Saturday and ending at twelve midnight the following Saturday.

47. Weekly (7-day and calendar week) Average – is the arithmetic mean of all samples collected during a consecutive 7-day period or calendar week, whichever is applicable. The calendar week is defined as beginning on Sunday and ending on Saturday. Weekly averages shall be calculated for all calendar weeks with Saturdays in the month. If a calendar week overlaps two months (i.e., the Sunday is in one month and the Saturday in the following month), the weekly average calculated for the calendar week shall be included in the data for the month that contains the Saturday.18. EPA - means the United States Environmental Protection Agency.

I. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

PART IV: ADDITIONAL REQUIREMENTS, CONDITIONS, AND LIMITATIONS

A. BEST MANAGEMENT PRACTICES (BMP) PLAN REQUIREMENTS

1. BMP Plan

The permittee shall develop and implement a Best Management Practices (BMP) Plan which prevents, or minimizes the potential for, the release of pollutants from ancillary activities, including material storage areas; plant site runoff; in-plant transfer, process and material handling areas; loading and unloading operations, and sludge and waste disposal areas, to the waters of the State through plant site runoff; spillage or leaks; sludge or waste disposal; or drainage from raw material storage.

2. Plan Content

The permittee shall prepare and implement a best management practices (BMP) plan, which shall:

a. Establish specific objectives for the control of pollutants:

(1) Each facility component or system shall be examined for its potential for causing a release of significant amounts of pollutants to waters of the State due to equipment failure, improper operation, natural phenomena such as rain or snowfall, etc.

(2) Where experience indicates a reasonable potential for equipment failure (e.g., a tank overflow or leakage), natural condition (e.g. precipitation), or circumstances to result in significant amounts of pollutants reaching surface waters, the plan should include a prediction of the direction, rate of flow, and total quantity of pollutants which could be discharged from the facility as a result of each condition or circumstance.

b. Establish specific best management practices to meet the objectives identified under paragraph a. of this section, addressing each component or system capable of causing a release of significant amounts of pollutants to the waters of the State, and identifying specific preventative or remedial measures to be implemented;

c. Establish a program to identify and repair leaking equipment items and damaged containment structures, which may contribute to contaminated stormwater runoff. This program must include regular visual inspections of equipment, containment structures and of the facility in general to ensure that the BMP is continually implemented and effective;

d. Prevent the spillage or loss of fluids, oil, grease, gasoline, etc. from vehicle and equipment maintenance activities and thereby prevent the contamination of stormwater from these substances;

e. Prevent or minimize stormwater contact with material stored on site;

f. Designate by position or name the person or persons responsible for the day to day implementation of the BMP;

g. Provide for routine inspections, on days during which the facility is manned, of any structures that function to prevent stormwater pollution or to remove pollutants from stormwater and of the facility in general to ensure that the BMP is continually implemented and effective;

h. Provide for the use and disposal of any material used to absorb spilled fluids that could contaminate stormwater;

i. Develop a solvent management plan, if solvents are used on site. The solvent management plan shall include as a minimum lists of the solvents on site; the disposal method of solvents used instead of dumping, such as reclamation, contract hauling; and the procedures for assuring that solvents do not routinely spill or leak into the stormwater;

j. Provide for the disposal of all used oils, hydraulic fluids, solvent degreasing material, etc. in accordance with good management practices and any applicable state or federal regulations;

k. Include a diagram of the facility showing the locations where stormwater exits the facility, the locations of any structure or other mechanisms intended to prevent pollution of stormwater or to remove pollutants from stormwater, the locations of any collection and handling systems;

l. Provide control sufficient to prevent or control pollution of stormwater by soil particles to the degree required to maintain compliance with the water quality standard for turbidity applicable to the waterbody(s) receiving discharge(s) under this permit;

m. Provide spill prevention, control, and/or management sufficient to prevent or minimize contaminated stormwater runoff. Any containment system used to implement this requirement shall be constructed of materials compatible with the substance(s) contained and shall prevent the contamination of groundwater. The containment system shall also be capable of retaining a volume equal to 110 percent of the capacity of the largest tank for which containment is provided;

n. Provide and maintain curbing, diking or other means of isolating process areas to the extent necessary to allow segregation and collection for treatment of contaminated stormwater from process areas;

o. Be reviewed by plant engineering staff and the plant manager; and

p. Bear the signature of the plant manager.

3. Compliance Schedule

The permittee shall have reviewed (and revised if necessary) and fully implemented the BMP plan as soon as practicable but no later than six months after the effective date of this permit.

4. Department Review

a. When requested by the Director or his designee, the permittee shall make the BMP available for Department review.

b. The Director or his designee may notify the permittee at any time that the BMP is deficient and require correction of the deficiency.

c. The permittee shall correct any BMP deficiency identified by the Director or his designee within 30 days of receipt of notification and shall certify to the Department that the correction has been made and implemented.

5. Administrative Procedures

a. A copy of the BMP shall be maintained at the facility and shall be available for inspection by representatives of the Department.

b. A log of the routine inspection required above shall be maintained at the facility and shall be available for inspection by representatives of the Department. The log shall contain records of all inspections performed for the last three years and each entry shall be signed by the person performing the inspection.

c. The permittee shall provide training for any personnel required to implement the BMP and shall retain documentation of such training at the facility. This documentation shall be available for inspection by representatives of the Department. Training shall be performed prior to the date that implementation of the BMP is required.

d. BMP Plan Modification. The permittee shall amend the BMP plan whenever there is a change in the facility or change in operation of the facility which materially increases the potential for the ancillary activities to result in a discharge of significant amounts of pollutants.

e. BMP Plan Review. The permittee shall complete a review and evaluation of the BMP plan at least once every three years from the date of preparation of the BMP plan. Documentation of the BMP Plan review and evaluation shall be signed and dated by the Plant Manager.

B. STORMWATER FLOW MEASUREMENT AND SAMPLING REQUIREMENTS

1. Stormwater Flow Measurement

a. All stormwater samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches.

b. The total volume of stormwater discharged for the event must be monitored, including the date and duration (in hours) and rainfall (in inches) for storm event(s) sampled. The duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event must be a minimum of 72 hours. This information must be recorded as part of the sampling procedure and records retained according to Part I.B. of this permit.

c. The volume may be measured using flow measuring devices, or estimated based on a modification of the Rational Method using total depth of rainfall, the size of the drainage area serving a stormwater outfall, and an estimate of the runoff coefficient of the drainage area. This information must be recorded as part of the sampling procedure and records retained according to Part I.B. of this permit.

2. Stormwater Sampling

a. A grab sample, if required by this permit, shall be taken during the first thirty minutes of the discharge (or as soon thereafter as practicable); and a flow-weighted composite sample, if required by this permit, shall be taken for the entire event or for the first three hours of the event.

b. All test procedures will be in accordance with part I.B. of this permit.

ADEM PERMIT RATIONALE

PREPARED DATE: December 21, 2022
REVISED DATE: February 28, 2023
PREPARED BY: Theo Pinson

Permittee Name: Hexcel Corporation

Facility Name: Hexcel Corporation

Permit Number: AL0065137

PERMIT IS A REISSUANCE DUE TO EXPIRATION

DISCHARGE SERIAL NUMBERS (DSN) & DESCRIPTIONS:

DSN002	Fire system test waters
DSN003	Stormwater runoff associated with the manufacture of polyacrylonitrile (PAN) fibers and carbon fibers
DSN005	Stormwater runoff associated with the manufacture of polyacrylonitrile (PAN) fibers and carbon fibers
DSN006	Stormwater runoff associated with the manufacture of polyacrylonitrile (PAN) fibers and carbon fibers
DSN007	Stormwater runoff associated with the manufacture of polyacrylonitrile (PAN) fibers and carbon fibers including HVAC condensate and underground infiltration
DSN011	Stormwater runoff associated with the manufacture of polyacrylonitrile (PAN) fibers and carbon fibers
DSN012	Stormwater runoff associated with the manufacture of polyacrylonitrile (PAN) fibers and carbon fibers
DSN015	Stormwater runoff associated with the manufacture of polyacrylonitrile (PAN) fibers and carbon fibers
DSN016	Stormwater runoff associated with the manufacture of polyacrylonitrile (PAN) fibers and carbon fibers
DSN017	Stormwater runoff associated with the manufacture of Polyacrylonitrile (PAN) fibers and carbon fibers including HVAC condensate and fire test system overflow
DSN018	Stormwater runoff associated with the manufacture of polyacrylonitrile (PAN) fibers and carbon fibers
DSN019	Stormwater runoff associated with the manufacture of polyacrylonitrile (PAN) fibers and carbon fibers

INDUSTRIAL CATEGORY: NON-CATEGORICAL

MAJOR: **No**

STREAM INFORMATION:

Receiving Stream:	Tennessee River (Wheeler Lake)
Classification:	Swimming, Fish & Wildlife
River Basin:	Tennessee
7Q10:	6,738.76 cfs
7Q2:	11,385.22 cfs
1Q10:	5,054.07 cfs
Annual Average Flow:	45,444.04 cfs
303(d) List:	Yes
Impairment:	Nutrients, PFOS
TMDL:	No

DISCUSSION:
The facility currently produces polyacrylonitrile (PAN) fibers and intends to finish construction on a carbon fiber line within the next 5 years. Stormwater runoff from the carbon fiber expansion will be routed to existing stormwater outfalls; therefore, additional outfalls are not anticipated at this time. The process wastewaters generated from the production of polyacrylonitrile fibers are regulated under 40 CFR Part 414 and are discharged to the Decatur Utilities WWTP through SID Permit IU085200373. Future wastewaters generated from the carbon fiber process will also be discharged to Decatur Utilities. Stormwater from the tank farms, material offloading areas, and outdoor equipment pads route to the industrial sewer system for treatment and discharge to Decatur Utilities. There are no 40 CFR Part 414 OCPSF regulated wastewater discharges associated with this permit. This permit only authorizes the discharge of fire test system waters, HVAC condensate, underground infiltration, and stormwater runoff to a water of the State.

ADEM Administrative Rule 335-6-10-.12 requires applicants to new or expanded discharges to Tier II waters demonstrate that the proposed discharge is necessary for important economic or social development in the area in which the waters are located. The application submitted by the facility is not for a new or expanded discharge; therefore, the applicant is not required to demonstrate that the discharge is necessary for economic and social development.

EPA has not promulgated specific guidelines for the discharges covered under the proposed permit. Proposed permit limits are based on Best Professional Judgment. The proposed frequencies are based on a review of site specific conditions and an evaluation of similar facilities.
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DSN 003S, DSN005S, DSN006S, DSN018S, DSN019S: Stormwater runoff associated with the manufacture of polyacrylonitrile (PAN) fibers and carbon fibers

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq	Sample Type	Seasonal	Basis
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Nitrogen, Total (As N) (00600) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Carbon, Tot Organic (TOC) (00680) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Acrylonitrile (34215) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months	BPJ
Chemical Oxygen Demand (COD) (2) (81017) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ

DSN 007S: Stormwater runoff associated with the manufacture of Polyacrylonitrile (PAN) fibers and carbon fibers including HVAC condensate and underground infiltration

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq	Sample Type	Seasonal	Basis
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Nitrogen, Total (As N) (00600) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Carbon, Tot Organic (TOC) (00680) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Acrylonitrile (34215) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months	BPJ
Chemical Oxygen Demand (COD) (2) (81017) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ

DSN 017S: Stormwater runoff associated with the manufacture of Polyacrylonitrile (PAN) fibers and carbon fibers including HVAC condensate and fire test system overflow

Parameter	Quantity or Loading		Units	Quality or Concentration			Units	Sample Freq	Sample Type	Seasonal	Basis
pH (00400) Effluent Gross Value	*****	*****	*****	(Report) Minimum Daily	*****	(Report) Maximum Daily	S.U.	Semi-Annually	Grab	All Months	BPJ
Solids, Total Suspended (00530) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Oil & Grease (00556) Effluent Gross Value	*****	*****	*****	*****	*****	15.0 Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Nitrogen, Total (As N) (00600) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Carbon, Tot Organic (TOC) (00680) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Acrylonitrile (34215) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ
Flow, In Conduit or Thru Treatment Plant (50050) Effluent Gross Value	*****	(Report) Maximum Daily	MGD	*****	*****	*****	*****	Semi-Annually	Estimate	All Months	BPJ
Chemical Oxygen Demand (COD) (2) (81017) Effluent Gross Value	*****	*****	*****	*****	*****	(Report) Maximum Daily	mg/l	Semi-Annually	Grab	All Months	BPJ

*Basis for Permit Limitation

- BPJ – Best Professional Judgment
- WQBEL – Water Quality Based Effluent Limits
- EGL – Federal Effluent Guideline Limitations
- 303(d) – 303(d) List of Impaired Waters
- TMDL – Total Maximum Daily Load Requirements

Discussion

Best Management Practices (BMPs) are believed to be the most effective way to control the contamination of stormwater from areas of industrial activities. This facility is required to maintain a BMP plan. The requirements of the BMP plan call for minimization of stormwater contact with waste materials, products and by-products, and for prevention of spills or loss of fluids from equipment maintenance activities. The effectiveness of the BMPs will be measured through the monitoring of the pollutants of concern.

Best Professional Judgment (BPJ)

The parameters of concern for this facility are based on the parameters of concern listed in the permit application and from the current permit. These parameters are consistent with similar facilities in the state and have been proven to be reflective of the operations at this facility.

Oil & Grease

The daily maximum limit for Oil and Grease should prevent the occurrence of a visible sheen in the stream and has been shown to be achievable through the use of proper BMPs.

COD, pH, TSS, TOC, Nitrogen, Acrylonitrile

Stormwater monitoring is proposed to measure the effectiveness of the facility BMP plan.

Outfall 002Y

The fire system engines and associated water pumps are tested for approximately 30 minutes once per week with an expected discharge rate of approximately 50 gpm. City water is used as source water for the fire protection system. The test waters discharge through Outfall 002 which enters a discharge way and flows south, east, and finally northeast around the edge of the plant property to the Tennessee River. Chlorine and temperature are not anticipated to be parameters of concern considering the travel time in the drainage way to the river and the dilution provided by the receiving stream. In lieu of sampling requirements for this discharge, the following narrative BMP requirements have been proposed:

- BMPs shall be used to prevent pollution during fire system testing and shall be incorporated into the facility BMP Plan. The BMPs shall include at a minimum:

  a. All waters shall be discharged in a manner to prevent erosion of soil or other materials into surface waters,
  b. The discharge shall have no sheen, and there shall be no discharge of visible oil, floating solids or visible foam in other than trace amounts.
  c. Additives such as but not limited to AFFF, firefighting foams, or other fire suppression agents **shall NOT** be added to the test waters, and
  d. The discharge drainage areas shall be inspected prior to each fire system test and cleanup performed if materials pose the risk to be carried offsite.

- Records shall be maintained in the form of a log for each testing event and shall contain the following information, at a minimum:

  a. Date and time of each prior inspection;
  b. Date and time of each fire system tests;
  c. Any cleanup accomplished as a result of the prior inspection;
  d. Initials of person making the visual inspection and performing any cleanup;
  e. Description of the discharge including date, time, estimated volume, and duration; and
  f. A visual observation of the receiving waterbody after the test has concluded in the immediate vicinity of the discharge location.

- The Permittee shall immediately notify the Department if toxicity is observed in the receiving stream.

- The Permittee shall submit an electronic **Annual Certification Statement** through the AEPACS system or other approved method by January 28th of each year that certifies, "All discharges during the previous calendar year associated with fire system test waters were in accordance with all of the conditions of the permit." Any noncompliance shall be addressed in a noncompliance form submitted electronically.

Outfall 007S

HVAC condensate has the potential to discharge through this outfall; however, if a discharge occurs it is expected to be small in volume and more than likely in combination with a precipitation event. The HVAC condensate is not expected to produce enough flow to routinely discharge during non-storm events. Temperature is not expected to be a pollutant of concern based on the expected cooling provided by the stormwater comingling with the HVAC condensate prior to discharge.

Underground Infiltration

The Permittee indicated in the permit application that underground infiltration had been observed ingressing into the Outfall DSN007 stormwater system in March of 2022. As a result, the stormwater pipe downstream of the ingress point was dammed with sand bags and plywood. The collected water is pumped into the process wastewater treatment system for treatment and discharge to Decatur Utilities through the SID permit. The facility is performing an investigation to determine the source of the infiltration. In the case of large rain events, stormwater could have the potential to overwhelm the pumps and result in a discharge through Outfall 007 that may contain underground infiltration waters. The discharge of underground infiltration waters is not expected to occur during nonstorm events and will continue to be pumped to treatment until it is eliminated. While underground infiltration has been included in the description of discharge, the facility is expected to continue to evaluate the source and perform corrective actions as appropriate to eliminate the source.

Outfall 017S

The fire system utilizes city water and has the potential to overflow the capture tank and flow to the Outfall 017 stormwater retention pond during testing or a fire situation. The system is occasionally tested; therefore, routine discharges from the fire system overflow are not anticipated. Under normal operating conditions, the discharges associated with Outfall 017 are stormwater only. Chlorine is not expected to be a pollutant of concern based on the holding time provided by the retention pond.

Representative Stormwater Outfalls

A concrete drainage way for stormwater runoff from the adjacent industrial park flows through the center of the plant property to the Tennessee River. Since the drainage feature contains stormwater runoff from other facilities, the permit sampling and monitoring requirements are proposed to be applied to the point source stormwater discharges as they enter the drainage feature resulting in outfalls which appear to be internal to the plant site. Outfalls 003S, 005S, 006S, 018S, and 019S have been deemed to be representative stormwater outfalls for Outfalls 011S, 012S, 015S, and 016S. Monitoring is required at Outfalls 003S, 005S, 006S, 018S and 019S. Monitoring is not required for Outfalls 011S, 012S, 015S, and 016S. The BMP requirements are applicable for every outfall.

303(d) List of Impaired Waters/Total Maximum Daily Load (TMDL)

The Tennessee River is listed on the most recent 303(d) List of Impaired Waters for PFOS and Nutrients. The discharge is not expected to contribute to the PFOS or the nutrient impairments.

Revision: February 28, 2023

The descriptions of discharge on the first page of the permit rationale have been revised for Outfall 007S to include carbon fibers and for Outfall 017S to change fire deluge system overflow to fire test system overflow which is consistent with the descriptions of discharge on the limitations pages of the proposed draft permit.

HEXCEL

December 19th, 2022

Mr. Theo Pinson
Permits and Services Division
Alabama Department of Environmental Management
PO Box 301463
Montgomery, AL 36130-1463

Re: NPDES permit renewal application:
Hexcel Corporation – NPDES Permit No. AL0065137
3300 Mallard Fox Drive
Decatur, AL 35601

Mr. Pinson,

Please find enclosed an ammended permit application for renewal of Hexcel's existing NPDES permit, No. AL0065137. This submittal includes sample data available to date for outfalls DSN002, DSN003, DSN005, DSN006, DSN007, DSN018, and DSN019. Data for outfalls DSN005, DSN006 and DSN017 are updated in tables 2FA, 2FC and 2FD.

The updated data for outfalls for DSN005, DSN006 and DSN017 were taken from a rain event on 11/29/2022. This rain event was not a qualifying rain event because it had only been 64 hours since the previous 0.1" or more rainfall. However, this rain event is representative of typical storm water outflows from these outfalls. These outfalls did not flow during the previous qualifying rain event (0.36"), and therefore could not be sampled during that event. The sampled event was a larger event (1.37") and therefore produced flow to these outfalls. These outfalls were sampled during this rain event to provide representative data to ADEM in a timely manner.

DSN007 has not been sampled since February 2022. A source of underground water was discovered ingressing into the storm water pipe in March of 2022. When this water was discovered, two pumps were placed down stream of the last ingress point, and the storm water pipe was dammed with sand bags and plywood downstream of the pumps. The storm water and ingress water is then pumped into process waste water, and discharged through a permitted SID outfall. Dye tests of process water drains are ongoing to determine the source of the water. To date the water source has not yet been found. The pump system in place successfully diverts the water from the storm drain into the process waste water system. In case of a very large rain event that overwhelms the pumps, the storm water flow would be so large, that the storm water flow would overwhelm the amount of underground ingress water in the system, and the characteristics of the water would be representative of storm water only flow. Per ADEM's request, a representative sample of storm water will be obtained from this outfall as soon as possible. Outfall sampling results will be submitted once available. Therefore please expect that there will be an additional addendum beyond this submission to include that data.

This application includes the legacy plant and all the construction area that was incorporated into the permit application renewal of 2017. The application includes a site drawing noting storm water outfalls and potential areas that could affect storm water quality. Current monitoring and inspection efforts include these areas in accordance with the facility BMP, SPCC, and CBMP plans.

Hexcel is classified as a Minor Industrial Discharger per Table D, ADEM General Administration code 335-1-6-.07– Division 1.

Hexcel requests your review of the permit renewal. If you have any questions or need additional information, please contact me at 256-340-4095.

Respectfully,

Matthew Jenkins
Senior EHS Engineer
Hexcel Corporation – Decatur, AL

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM)
NPDES INDIVIDUAL PERMIT APPLICATION
SUPPLEMENTARY INFORMATION FOR INDUSTRIAL FACILITIES

Instructions: This form should be used to submit the required supplementary information for an application for an NPDES individual permit for industrial facilities. The completed application should be submitted to ADEM in duplicate. If insufficient space is available to address any item, please continue on an attached sheet of paper. Please mark "N/A" in the appropriate box when an item is not applicable to the applicant. **Please type or print legibly in blue or black ink.** Mail the completed application to:

ADEM-Water Division
Industrial Section
P O Box 301463
Montgomery, AL 36130-1463

RECEIVED
DEC 27 2022
IND/MUN BRANCH
WATER DIVISION

PURPOSE OF THIS APPLICATION

- ☐ Initial Permit Application for New Facility*
- ☐ Initial Permit Application for Existing Facility*
- ☐ Modification of Existing Permit
- ■ Reissuance of Existing Permit
- ☐ Revocation & Reissuance of Existing Permit

* *An application for participation in the ADEM's Electronic Environmental (E2) Reporting must be submitted to allow permittee to electronically submit reports as required.*

SECTION A – GENERAL INFORMATION

1. Permittee Name: Hexcel Corporation
2. NPDES Permit Number: AL 0065137 (not applicable if initial permit application)
3. SID Permit Number (if applicable): IU 085200373
4. NPDES General Permit Number (if applicable): ALG
5. Facility Location (Front Gate): Latitude: 34° 39' 12.3" Longitude: -87° 04' 13.8"
6. Responsible Official (as described on the last page of this application):

   Name: Brent Gann Title: Plant Manager

   Address: 3300 Mallard Fox Drive

   City: Decatur State: AL Zip: 35601

   Phone Number: 256-340-4027 Email Address: brent.gann@hexcel.com
7. Designated Discharge Monitoring Report (DMR) Contact:

   Name: Matthew Jenkins Title: Senior EHS Engineer

   Phone Number: 256-340-4095 Email Address: matthew.jenkins@hexcel.com
8. Type of Business Entity:

   ☒ Corporation ☐ General Partnership ☐ Limited Partnership ☐ Limited Liability Company ☐ Sole Proprietorship

   ☐ Other (Please Specify)
8. Complete this section if the Applicant's business entity is a Corporation

   a) Location of Incorporation:

   Address: 281 Tresser BLVD.

   City: Stamford County: Fairfield State: CT Zip: 06901

   b) Parent Corporation of Applicant:

   Name: Hexcel Corporation

   Address: 281 Tresser BLVD

   City: Stamford State: CT Zip: 06901

c) Subsidiary Corporation(s) of Applicant:

Name: N/A

Address:

City: State: Zip:

d) Corporate Officers:

Name: Nick Stanage, Chief Executive Officer

Address: 281 Tresser Blvd.

City: Stamford State: CT Zip: 06901

Name: Patrick Winterlich, EVP & CFO

Address: 281 Tresser Blvd.

City: Stamford State: CT Zip: 06901

e) Agent designated by the corporation for purposes of service:

Name: Brent Gann

Address: 3300 Mallard Fox Drive

City: Decatur State: AL Zip: 35601

9. If the Applicant's business entity is a Partnership, please list the general partners.

Name: Name:

Address: Address:

City: State: Zip: City: State: Zip:

10. If the Applicant's business entity is a Proprietorship, please enter the proprietor's information.

Name:

Address:

City: State: Zip:

11. Identify all Administrative Complaints, Notices of Violation, Directives, Administrative Orders, or Litigation concerning water if any, against the Applicant, its parent corporation or subsidiary corporations within the State of Alabama within the past five years (attach additional sheets if necessary):

Facility Name	Permit Number	Type of Action	Date of Action

SECTION B – BUSINESS ACTIVITY

If your facility conducts or will be conducting any of the processes listed below (regardless of whether they generate wastewater, waste sludge, or hazardous waste), place a check beside the category of business activity (check all that apply):

Industrial Categories

- ☐ Aluminum Forming
- ☐ Asbestos Manufacturing
- ☐ Battery Manufacturing
- ☐ Can Making
- ☐ Canned and Preserved Fruit and Vegetables
- ☐ Canned and Preserved Seafood
- ☐ Cement Manufacturing
- ☐ Centralized Waste Treatment
- ☐ Carbon Black
- ☐ Coal Mining
- ☐ Coil Coating
- ☐ Copper Forming
- ☐ Electric and Electronic Components Manufacturing
- ☐ Electroplating
- ☐ Explosives Manufacturing
- ☐ Feedlots
- ☐ Ferrcalloy Manufacturing
- ☐ Fertilizer Manufacturing
- ☐ Foundries (Metal Molding and Casting)
- ☐ Glass Manufacturing
- ☐ Grain Mills
- ☐ Gum and Wood Chemicals Manufacturing
- ☐ Inorganic Chemicals
- ☐ Iron and Steel
- ☐ Leather Tanning and Finishing
- ☐ Metal Finishing
- ☐ Meat Products
- ☐ Metal Molding and Casting
- ☐ Metal Products
- ☐ Nonferrous Metals Forming
- ☐ Nonferrous Metals Manufacturing
- ☐ Oil and Gas Extraction
- ☐ Organic Chemicals Manufacturing
- ☐ Paint and Ink Formulating
- ☐ Paving and Roofing Manufacturing
- ☐ Pesticides Manufacturing
- ☐ Petroleum Refining
- ☐ Phosphate Manufacturing
- ☐ Photographic
- ☐ Pharmaceutical
- ☒ Plastic & Synthetic Materials
- ☐ Plastics Processing Manufacturing
- ☐ Porcelain Enamel
- ☐ Pulp, Paper, and Fiberboard Manufacturing
- ☐ Rubber
- ☐ Soap and Detergent Manufacturing
- ☐ Steam and Electric
- ☐ Sugar Processing
- ☐ Textile Mills
- ☐ Timber Products
- ☐ Transportation Equipment Cleaning
- ☐ Waste Combustion
- ☐ Other (specify)_____

A facility with processes inclusive in these business areas may be covered by Environmental Protection (EPA) categorical standards. These facilities are termed "categorical users".

SECTION C – WASTEWATER DISCHARGE INFORMATION

1. Do you share an outfall with another facility? ☐ Yes ☒ No (If no, continue to C.2)

   For each shared outfall, provide the following:

Applicant's Outfall No.	Name of Other Permittee/Facility	NPDES Permit No.	Where is sample collected by Applicant?

2. Do you have, or plan to have, automatic sampling equipment or continuous wastewater flow metering equipment at this facility?

Current:	Flow Metering	☒ Yes	☐ No	☐ N/A
	Sampling Equipment	☒ Yes	☐ No	☐ N/A
Planned:	Flow Metering	☐ Yes	☐ No	☒ N/A
	Sampling Equipment	☐ Yes	☐ No	☒ N/A

If so, please attach a schematic diagram of the sewer system indicating the present or future location of this equipment and describe the equipment below:

see Attachment – 187 – Section C - Q2

3. Are any process changes or expansions planned during the next three years that could alter wastewater volumes or characteristics?

☒ Yes ☐ No (If no, continue to C.4)

Briefly describe these changes and their anticipated effects on the wastewater volume and characteristics:

A permitted process is expected to be completed for carbon fiber production

4. List the trade name and chemical composition of all biocides and corrosion inhibitors used:

Trade Name	Chemical Composition
see Attachment 187 - Section C - Q4	

For each biocide and/or corrosion inhibitor used, please include the following information:

(1) 96-hour median tolerance limit data for organisms representative of the biota of the waterway into which the discharge will ultimately reach,
(2) quantities to be used,
(3) frequencies of use,
(4) proposed discharge concentrations, and
(5) EPA registration number, if applicable

SECTION D – WATER SUPPLY

Water Sources (check as many as are applicable):

☐ Private Well ☐ Surface Water

☒ Municipal Water Utility (Specify City): ☐ Other (Specify): _____

IF MORE THAN ONE WELL OR SURFACE INTAKE, PROVIDE DATA FOR EACH ON AN ATTACHMENT

City: 2.5 MGD* Well: _____ MGD* Well Depth: _____ Ft. Latitude: _____ Longitude: _____

Surface Intake Volume: _____ MGD* Intake Elevation in Relation to Bottom: _____ Ft.

Intake Elevation: _____ Ft. Latitude: _____ Longitude: _____

Name of Surface Water Source: _____

*** MGD – Million Gallons per Day**

Cooling Water Intake Structure Information

Complete D.1 and D.2 if your water supply is provided by an outside source and not by an onsite water intake structure? (e.g., another industry, municipality, etc...)

1. Does the provider of your source water operate a surface water intake? ■ Yes ☐ No
   (If yes, continue, if no, go to Section E.)

   a) Name of Provider: Decatur Utilities b) Location of Provider: Decatur, AL

   c) Latitude: _____ Longitude: _____

2. Is the provider a public water system (defined as a system which provides water to the public for human consumption or which provides only treated water, not raw water)? ■ Yes ☐ No (If yes, go to Section E, if no, continue.)

Only to be completed if you have a cooling water intake structure or the provider of your water supply uses an intake structure and does not treat the raw water.

3. Is any water withdrawn from the source water used for cooling? ☐ Yes ☐ No

4. Using the average monthly measurements over any 12-month period, approximately what percentage of water withdrawn is used exclusively for cooling purposes? _____%

5. Does the cooling water consist of treated effluent that would otherwise be discharged? ☐ Yes ☐ No
   (If yes, go to Section E, if no, complete D.6 – D.17)

6. a. Is the cooling water used in a once-through cooling system? ☐ Yes ☐ No

   b. Is the cooling water used in a closed cycle cooling system? ☐ Yes ☐ No

7. When was the intake installed? _____
   (Please provide dates for all major construction/installation of intake components including screens)

8. What is the maximum intake volume? _____
   (maximum pumping capacity in gallons per day)

9. What is the average intake volume? _____
   (average intake pump rate in gallons per day average in any 30-day period)

10. What is the actual intake flow (AIF) as defined in 40 CFR §125.92(a)? _____MGD

11. How is the intake operated? (e.g., continuously, intermittently, batch) _____

12. What is the mesh size of the screen on your intake? _____

13. What is the intake screen flow-through area? _____

14. What is the through-screen design intake flow velocity? _____ft/sec

15. What is the through-screen actual velocity (in ft/sec)? _____ft/sec

16. What is the mechanism for cleaning the screen? (e.g., does it rotate for cleaning) _____

17. Do you have any additional fish detraction technology on your intake? ☐ Yes ☐ No

18. Have there been any studies to determine the impact of the intake on aquatic organisms? ☐ Yes ☐ No (If yes, please provide.)

19. Attach a site map showing the location of the water intake in relation to the facility, shoreline, water depth, etc.

SECTION E – WASTE STORAGE AND DISPOSAL INFORMATION

Provide a description of the location of all sites involved in the storage of solids or liquids that could be accidentally discharged to a water of the state, either directly or indirectly via such avenues as storm water drainage, municipal wastewater systems, etc., which are located at the facility for which the NPDES application is being made. Where possible, the location should be noted on a map and included with this application:

Description of Waste	Description of Storage Location
See attachment 187 Section E	

SECTION F – COASTAL ZONE INFORMATION

Is the discharge(s) located within the 10-foot elevation contour and within the limits of Mobile or Baldwin County? ☐ Yes ☒ No

If yes, complete items F.1 – F.12:

		Yes	No
1.	Does the project require new construction?	☐	☐
2.	Will the project be a source of new air emissions?	☐	☐
3.	Does the project involve dredging and/or filling of a wetland area or water way?	☐	☐
	If Yes, has the Corps of Engineers (COE) permit been received? COE Project No. _____	☐	☐
4.	Does the project involve wetlands and/or submersed grassbeds?	☐	☐
5.	Are oyster reefs located near the project site? If Yes, include a map showing project and discharge location with respect to oyster reefs	☐	☐
6.	Does the project involve the site development, construction and operation of an energy facility as defined in ADEM Admin. Code r. 335-8-1-.02(bb)?	☐	☐
7.	Does the project involve mitigation of shoreline or coastal area erosion?	☐	☐
8.	Does the project involve construction on beaches or dune areas?	☐	☐
9.	Will the project interfere with public access to coastal waters?	☐	☐
10.	Does the project lie within the 100-year floodplain?	☐	☐
11.	Does the project involve the registration, sale, use, or application of pesticides?	☐	☐
12.	Does the project propose or require construction of a new well or to alter an existing groundwater well to pump more than 50 gallons per day (GPD)?	☐	☐
	If yes, has the applicable permit for groundwater recovery or for groundwater well installation been obtained?	☐	☐

SECTION G – ANTI-DEGRADATION EVALUATION

In accordance with 40 CFR §131.12 and the ADEM Admin. Code r. 335-6-10-.04 for anti-degradation, the following information must be provided, if applicable. It is the applicant's responsibility to demonstrate the social and economic importance of the proposed activity. If further information is required to make this demonstration, attach additional sheets to the application.

1. Is this a new or increased discharge that began after April 3, 1991? ☐ Yes ☒ No
   If yes, complete G.2 below. If no, go to Section H.

2. Has an Anti-Degradation Analysis been previously conducted and submitted to the Department for the new or increased discharge referenced in G.1? ☐ Yes ☐ No

   If yes, do not complete this section. If no, and the discharge is to a Tier II waterbody as defined in ADEM Admin. Code r. 335-6-10-.12(4), complete G.2.A – G.2.F below and ADEM Forms 311 and 313 (attached). ADEM Form 313 must be provided for each alternative considered technically viable.

Information required for new or increased discharges to high quality waters:

A. What environmental or public health problem will the discharger be correcting?

B. How much will the discharger be increasing employment (at its existing facility or as the result of locating a new facility)?

C. How much reduction in employment will the discharger be avoiding?

D. How much additional state or local taxes will the discharger be paying?

E. What public service to the community will the discharger be providing?

F. What economic or social benefit will the discharger be providing to the community?

SECTION H – EPA Application Forms

All Applicants must submit EPA permit application forms. More than one application form may be required from a facility depending on the number and types of discharges or outfalls found. The EPA application forms are found on the Department's website at http://www.adem.alabama.gov/programs/water/waterforms.cnt . The EPA application forms must be submitted in duplicate as follows:

1. All applicants must submit Form 1.
2. Applicants for existing industrial facilities (including manufacturing facilities, commercial facilities, mining activities, and silvicultural activities) which discharge process wastewater must submit Form 2C.
3. Applicants for new industrial facilities which propose to discharge process wastewater must submit Form 2D.
4. Applicants for new and existing industrial facilities which discharge only non-process wastewater (i.e., non-contact cooling water and/or sanitary wastewater) must submit Form 2E.
5. Applicants for new and existing facilities whose discharge is composed entirely of storm water associated with industrial activity must submit Form 2F, unless exempted by § 122.26(c)(1)(ii). If the discharge is composed of storm water and non-storm water, the applicant must also submit Forms 2C, 2D, and/or 2E, as appropriate (in addition to Form 2F).

SECTION I – ENGINEERING REPORT/BMP PLAN REQUIREMENTS

See ADEM 335-6-6-.08(i) & (j)

SECTION J– RECEIVING WATERS

Outfall No.	Receiving Water(s)	303(d) Segment?		Included in TMDL?*	
	See attachment	☒ Yes	☐ No	☐ Yes	☒ No
		☒ Yes	☐ No	☐ Yes	☒ No
		☒ Yes	☐ No	☐ Yes	☒ No
		☒ Yes	☐ No	☐ Yes	☒ No
		☒ Yes	☐ No	☐ Yes	☒ No

*If a TMDL Compliance Schedule is requested, the following should be attached as supporting documentation:

(1) Justification for the requested Compliance Schedule (e.g. time for design and installation of control equipment, etc.);

(2) Monitoring results for the pollutant(s) of concern which have not previously been submitted to the Department (sample collection dates, analytical results (mass and concentration), methods utilized, MDL/ML, etc. should be submitted as available);

(3) Requested interim limitations, if applicable;

(4) Date of final compliance with the TMDL limitations; and,

(5) Any other additional information available to support requested compliance schedule.

SECTION K – APPLICATION CERTIFICATION

The information contained in this form must be certified by a responsible official as defined in ADEM Administrative Code r. 335-6-6-.09 "signatories to permit applications and reports" (see below).

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Signature of Responsible Official: _____ Date Signed: 12/19/22

Name: Brent Gann Title: Plant Manager

If the Responsible Official signing this application is <u>not</u> identified in Section A.7, provide the following information:

Mailing Address: _____

City: _____ State: _____ Zip: _____

Phone Number: _____ Email Address: _____

335-6-6-.09 SIGNATORIES TO PERMIT APPLICATIONS AND REPORTS.

(1) The application for an NPDES permit shall be signed by a responsible official, as indicated below:

(a) In the case of a corporation, by a principal executive officer of at least the level of vice president, or a manager assigned or delegated in accordance with corporate procedures, with such delegation submitted in writing if required by the Department, who is responsible for manufacturing, production, or operating facilities and is authorized to make management decisions which govern the operation of the regulated facility;

(b) In the case of a partnership, by a general partner;

(c) In the case of a sole proprietorship, by the proprietor; or

(d) In the case of a municipal, state, federal, or other public entity, by either a principal executive officer, or ranking elected official.

EPA# ALR000007948
NPDES# AL0065137
Facility Name: Hexcel Corporation

Attachment 187 C-2; 187-E; 2F-3

TENNESSEE RIVER

N

1.) DISCHARGE POINTS (SAMPLED)
DSN003 DSN017
DSN005 DSN018
DSN006 DSN019

2.) EMERGENCY GENERATORS
3.) DRUM STORAGE AREA
4.) TRANSFORMERS

5.) TANKS storage

6.) FIREPUMPS
7.) WASTEWATER TANKS
-7-DAY
-EMERGENCY
-NEUTRALIZATION
-903 PIT
8.) BOILERS
9.) CHILLERS
10.) AIR COMPRESSORS
11.) POLYMER SOLIDS
12.) SPILL SUPPLIES
13.) ADMIN BUILDING
14.) SID DISCHARGE - composite sampler and flow monitoring
DSNS007, DSNS008, DSNS009
15.) NON-SAMPLED DISCHARGE POINTS
16.) NON-CONTACT COOLING WATER
17.) UNLOADING AREA

CONTAINMENT BERM

Discharge points not sampled:
DSN002, DSN011, DSN012, DSN015, DSN016

Stormwater control inlet
Stormwater inlet
Stormwater flow direction
Stormwater outfall

SPOIL PILE
Future
DISCHARGE TO RIVER
DSN017
STORM RETENTION POND
ARCHEOLOGICAL EXCLUSION AREA ~ 1.8 ACRES
RO/DI WATER AREA
COOLING TOWERS
1750
1300
1100
1000
650
(903 PIT)
7-DAY WASTE WATER
OF7B DSN007
OF9 DSN005
DSN011
DSN012
800
600
550
500
400
300
200
1400
1500
1600
2000
1200
6000
750
700
1300 ADMIN
OF14 DSN006
DSN015
OF2A DSN003
DSN001
INLET TRUCK DOCK
FIRE PUMPS
DSN002
DSN016
CELLULAR TOWER
FIRST CEMETERY

SCALE		DATE			
DRAWN			HEXCEL	HEXCEL CORPORATION 2005 VALLEY FOX STREET DECATUR, ALABAMA 35601	
CHECKED			PLANT	DECATUR, ALABAMA	
APPROVED			PROJECT		
APPROVED			ASSIGNMENT TITLE	ENVIRONMENTAL STORMWATER	
APPROVED			DRAWING NUMBER		
APPROVED			023 PLANT	2002 ACCOUNT	21330 CLASSIFICATION	05 REV.
APPROVED					

EPA Identification number	NPDES Permit Number	Facility Name	Attachment 187 Section C Q4					
ALR000007948	AL0065137	Hexcel Corporation						
Biocide/Corrosion Inhibitor Trade Name	**Description**	**Chemical Composition (if known)**	**96 Hour mean tolerance limit**	**Quantities to be used (lbs/year)**	**Frequencies of use**	**Proposed discharge concentrations (ppm) (SID*)**	**EPA registration number if applicable**	
Nalco NexGuard 22300.61	Boiler internal treatment	Proprietary Mixture (Non-Hazardous SDS)	NOEC Inland Silverside 5000 mg/L (96 hour - SDS)	4476	continuous	0.59		2021 Tier 2
Nalco 19Pulv.27	Oxygen scavenger	Sodium Metabisulfite 1-5%	NOEC fathead minnow 96 hour 100 mg/L	6000	continuous	0.79		2017 report
Nalco 7346tab.11	oxidizing biocide tablets	CAS 16079-88-2 54.2%, CAS 118-52-5 28.9%, CAS 89415-87-2 15.9%	LC50 96 hour Fathead Minnow 0.71 mg/L	300	intermittent	0.04		2017 report
Nalco 71305-15	CorShell Floccuent	Hydrotreated Light Distillate CAS 64742-47-8, 10-30%; Oxyalkylated alcohol, 1-5%; Ethoxylated Sorbitan Monostearate CAS 9005-67-8, 1-5%; Urea CAS 57-13-6 1-5%	LC50 Rainbow Trout 96 hour: 7.1 mg/L	0	intermittent	0.00		No use back through 2019 tier 2
Nalco TRI-ACT 1826.61	condensate corrosion inhibitor	Diethylethanolamine CAS 100-37-8, 10-30%; Morpholine CAS 110-91-8, 5-10%	EC50 96 hour Algae 28mg/L	4406	continuous	0.58		2021 Tier 2
GI#165P-250 CWT	cooling water treatment	1 H-benzotriazole, 4 (or 5)-methyl-,sodium salt CAS# 64665-57-2, 0.1-1%; Sodium Hydroxide CAS# 1310-73-2, 0.01-.1%; Other 80-100%	Not classified as environmentally hazardous. No data available	12000	continuous	1.57		2021 Tier 2
GI#23355	bio dispersant	Proprietary alkylamide hydrolysates 10-20%	No information available	2250	continuous	0.30		2021 Tier 2
GI#94-50 or K-BROM T	oxidizing biocide tablets	Bromochloro-5,5-dimethylimidazolidine-2,4-dione, CAS# 32718-18-6, 96.0 -99.5 %	LC50 96 hour Rainbow Trout, 0.400 mg/L	4600	continuous	0.60	88714-4	2021 Tier 2
GI# 1001-1GL (DF-10S Water Science Technologies, LLC)	Bio-treatment anti-foam	Non-hazardous defoaming agent	The product has not been tested	25	intermittent	0.00		2019 Tier 2
GI# 775	Condensate Corrosion Inhibitor	2-Diethylaminoethanol, CAS# 100-37-8, 20-40%; Morpholine, CAS# 110-91-8, 1-5%; 1,2-Ethanediamine, CAS# 107-15-3, 0.01 - 0.1%; 4-Ethylmorpholine, CAS# 100-74-3, 0.01 - 0.1%	No information available	16180	continuous	2.12		2021 Tier 2
Avista Technologies Vitec 5100 RO	Antiscalant	Deflocculant & Sequestrant 1 Proprietary, 10-20%; Deflocculant & Sequestrant 2 Proprietary, 5-15%	NOEC - Ceriodaphnia dubia (water flea), Unknown time, 25ppm	17500	continuous	2.30		2017 report
Avista Technologies Rocide IS2	Bio-cide	Isothiazolin compound Proprietary, 1-5%; Magnesium Salt 1 Proprietary, 1-5%; Magnesium Salt 2 Proprietary, 1-5%	LC50, Rainbow Trout, 96 hour, 0.19 mg/L	7000	continuous	0.92		2017 report
ChemTreat RL9007	Antiscalant	Diethylenetriamine penta methylene phosphonic acid, sodium salt, CAS# 22042-96-2, 10-30%; 2–Phosphono–1,2,4–butane tricarboxylic acid, CAS# 37971-36-1, 3-7%	LC50 Fathead minnow, 96 hour, >10,000 mg/L	8440	continuous	1.11		2021 Tier 2
50% Citric Acid		Citric Acid, CAS# 77-92-9, 50%	LC50 Golden Orfe (fish), 48 hour 440 mg/L	558	continuous	0.07		2021 Tier 2
38-40% Sequest		Glycine, N,N'-1,2-Ethanediylbis[N-(CARBOXYMETHYL)-,Sodium SALT (1:4), CAS# 64-02-8, 39%; Glycine, N,N-Bis(CARBOXYMETHYL)-,Sodium Salt (1:3), CAS# 5064-31-3, 0.5%; NaOH, CAS# 1310-73-2, 0.5%	CAS# 64-02-8 - LC50 Bluegill, 96 hour, 472-500 mg/L; CAS 5064-31-3 - LC50 Bluegill, 96 hour, 175-225 mg/L; Cas# 1310-73-2 - LC50 Western mosquitofish, 96 hour, 125 mg/L	470	continuous	0.06		2021 Tier 2

* Values shown in proposed discharge concentrations are calculated as chemical usage per year divided by projected yearly water usage going out with SID flows, assuming no chemical breakdown. No concentration is expected to be in stormwater flows because of BMP measures.

ATTACHMENT – 187 – Section E

I. STORM WATER FLOW

Non-contact storm waters will follow the natural drainage of the plant and flow either through culverts on the east side of the facility (DSN006, DSN015), a concrete ditch that bisects the facility (DSN002, DSN003, DSN018, OF 19) or to one of five north discharge points on the banks of the Tennessee River (DSN005, DSN007, DSN011, DSN012, DSN017). Storm water flow to the south will sheet flow into the ditch behind the administration building and then discharge to a city storm water collection basin (DSN016).

On the north end of the west plant operations storm water flow will be changed due to the addition of tanks and buildings for Line G/H operations. A portion of the storm water from this area flows to outfall OF19 that discharges into the concrete ditch that bisects the facility.

The process areas are mainly located within enclosed buildings with non-contact storm waters from the roof routed into the storm water drainage system. Storm water from tank farms, material off-loading areas, and the outdoor equipment pads route into the industrial sewer system. Storm water, which may be contaminated with acrylonitrile from the acrylonitrile storage tank farm, the acrylonitrile/co-monomer work tank areas, and the monomer unloading stations, will be pumped to T-901-4B or T-7901-5 for treatment by the wastewater systems. Storm water from the evaporator pad area, acid/caustic unloading stations, acid/caustic tank areas, wastewater pretreatment areas, and utility areas will flow to one of three wastewater neutralization systems prior to discharge through a monitored state indirect discharge (SID) outfall to the city sewer system.

II. CONTAINMENT SYSTEMS

A. Product Storage Area

The final product of the Hexcel facility is a polyacrylonitrile fiber. This fiber is wound on spools and stored in the warehouse. There is no potential for loss of hazardous material to the environment from this practice.

B. Raw Material Unloading

1) Monomer Unloading Stations –

At the east monomer unloading station, Acrylonitrile (AN) and co-monomer will be delivered to the facility in 5,000 gallon tank cars. The unloading is in a diked area with both ends sloping to a center drain. This area will contain approximately 1500 gallons of liquid. In addition, an 8,000-gallon below grade emergency spill sump has been provided to contain a catastrophic spill from unloading of monomer. The unloading area gravity drains to the sump. The emergency sump has a pump installed to remove rain water, or, in the case of an emergency, acrylonitrile. When a tank truck is off-loaded, the procedure requires sump pumps for the pad and sump to be valved to direct all spillage to the emergency tank, so that the acrylonitrile can be processed through wastewater treatment. Additionally 31,800 gallon railcars of acrylonitrile are delivered to the facility. The railcars are unloaded in an area with a catchment pan below each railcar with both ends sloping to a center drain. In addition, a below-grade emergency spill sump with an approximate capacity of 39,366 gal is provided to catch a large spill from rail unloading of AN. Spillage will be directed to the emergency spill sump via gravity. Spillage that is contained in the emergency sump will be sent through waste treatment facility. Storm water collected in this area is pumped to tank T-901-4B waste water storage for treatment.

At the west monomer unloading station co-monomer will be delivered to the facility in 5,000

gallon tank cars. The trucks will be unloaded in a diked area with both ends sloping to a sump. This area will contain a total of 6800 gallons of liquid with 4500 gal in the sump and 2300 gal in containment pad. Any material contained in the pad or sump can be pumped to T-7920-1 for holding prior to re-use or other treatment.

2) Acid/Caustic Truck Unloading Stations -Sulfuric Acid, Nitric Acid, and Caustic will be delivered to the facility in tank trucks.

At the east unloading station the trucks are unloaded in a diked area with both ends sloping to a center drain. This area will contain approximately 800 gallons of liquid. Inaddition, a 5,000-gallon emergency acid/caustic spill pit is provided to catch a large spill from truck unloading. When a truck is unloaded, the procedure is to shut-off the center drain valve on the off- loading station. If a spill occurs, after the diked area has filled, it will overflow into an emergency drain on the east end of the truck unloading station to the emergency containment impoundment. The spilled material will immediately be cleaned out of the impoundment and properly disposed.

At the west unloading station, caustic or nitric acid will be unloaded. T he trucks are unloaded in a curbed area with both ends sloping to a center sump. The sump is connected to a pump that will transfer any liquid into a 22,100 gallon containment dike to catch a large spill from truck unloading. When a truck is unloaded, the procedure is to shut-off the center drain valve on the containment dike. If a spill occurs, the pump can be turned on and pump liquid into the larger containment dike. The containment dike has a valve that can be controlled to send the liquid to pH control and adjustment (T-7918) prior to discharge through a monitored SID outfall to the city sewer system.

3) Sodium Thiocyanate liquid is unloaded into tanks located inside the process building. Spills at the tank will be contained in the building drain system and routed to wastewater treatment. Liquid nitrogen is unloaded into a tank on the south end of the facility and a second tank on the northwest end of the facility. The truck unloading area has a containment that is gallons, and has a pump to transfer any material to wastewater treatment.

4) Drummed/Bagged Material -All other raw material for the facility will be received in drums, totes, or bags at the warehouses. Only small spills in the warehouses can be expected. All spills will be immediately contained and properly disposed.

C. Raw Material Storage

1) Acrylonitrile Storage -Acrylonitrile will be stored in three 100,000 gallon storage tanks (T -101 1 A 1 B and 1C). The tanks are located in a concrete diked area with 162,901 gallons of containment. This meets the requirement for containment of 110 percent of the largest tank in the tank farm.

2) East Storage Area

Tank Number	Name	Volume (gal)
T-203-1B	Monomer makeup tank	6000
T-205-1B	Monomer feed tank	6000
T-105 – 1	Co-monomer tank	8760
T-105 – 1B	Co-monomer tank	8760
T-107-1A	Recovered monomer tank	2900
T-107-1B	Recovered monomer tank	2900
T-107-1C	Recovered monomer tank	6000

The tanks are located in a concrete diked area with 13, 700 gallons of containment. This meets the requirement for containment of 110 percent of the largest tank in the tank farm.

3) West Storage Area

Tank Number	Name	Volume (gal)
T-7203-1	Monomer makeup tank	4250
T-7205-1	Monomer feed tank	5100
T-7105-1A	Co-monomer storage tank	14477
T-7107-1A	Recovered monomer tank	5500
T-7107-1B	Recovered monomer tank	5500

The tanks are located in a concrete diked area with 20,887 gallons of containment.

4) Bulk Acid Storage Area (East) –

Tank Number	Name	Volume (gal)
T-109-1	Nitric acid tank	8500
T-113-1	Sulfuric acid tank	7600
T-111-1	Caustic Tank	17,400

The tanks are located in a concrete diked area with a common wall for the caustic storage area. This area has 19,300 gallons of containment. This meets the requirement for containment of 110 percent of the largest tank in the tank farm.

5) Bulk Caustic Storage Areas – The east storage area contains a 17,400-gallon caustic tank (T - 111-1) with room for an additional tank in the future. This is a concrete diked area with 25,808 gallons of containment. This meets the requirement for 110% containment and will also be sufficient in the future for an additional tank of the same capacity. The west bulk caustic storage area contains a 16,280-gallon caustic tank (T – 7111-1). This is a concrete diked area with 23,800 gallons of containment. This meets the requirement for 110% containment.

6) Ammonia storage – The east and west raw material storage areas each have one-1000 gal anhydrous ammonia storage tank. The tanks are located on a concrete pad under a covered roof that is closed on one side. The concrete pad is surrounded on the four corners with bollards. Ammonia sensors and alarms are installed around and above the tanks. These sensors are connected to a gas monitoring system that is connected to the operations distributed control system.

D. Process water

1) City potable water from Decatur Utilities is stored in an 117,500 gallon tank, T-9250. This water is pre-treated before use in plant operations through a series of deionization and reverse osmosis processes. Water treatment chemicals used in each of these processes include caustic, sulfuric acid, biocide and antiscalant. The caustic and sulfuric are stored in 3000 gallon double walled tanks on a concrete pad. The biocide is stored in a tote of 330 gal and antiscalent is stored in a tote of 330 gal set on a containment skid that is housed inside an enclosed shed on a concrete pad. This processed water is stored in tanks for each of the three plant areas.

2) East Storage Area

Tank Number	Name	Volume (gal)
T-1009-1	RO water	25000
T-1010-1	RO water	25000
T-1011-1	RO water	11838
T-1007-1A	DI water	30000
T-1007-1B	DI water	30000
T-1007-1C	DI water	25000

3) Northwest Storage Area

Tank Number	Name	Volume (gal)
T-9271-1	RO water	24111
T-9278-1	RO water	25368
T-9274	RO water	11838
T-9276	RO water	5750
T-9271	RO water	24111
T-9278-1B	RO water	25368

4) West Storage Area

Tank Number	Name	Volume (gal)
T-9288-1A	RO water	24955
T-9284-1A	Recycle water	24955
T-9281-1A	DI water	24955
T-9288-1B	RO water	25000
T-9284-1B	Recycle Water	25000
T-9281-1B	DI Water	25000

E. Process waste water treatment

6) Process waste water treatment areas –

Process water from bldg. 600 is directed to the settling pit T-903-1or the 2900 gallon T-901-1The process water flows from T-901-1 and T-903-1 are pumped to a 700,000 gallon primary tank (T - 901-4B) or a 162,000 gallon segregation emergency tank (T-919-1) for process waste water. These tanks direct process waste water to three 45,000 gallon biological treatment cells (G-901-8, G-3901-8, and G-5901-8) then to three clarifiers G-901-8A, G-901-8B and G-901-8C. The water from the clarifiers is then sent to the neutralization system (T -918-1). To control a release and minimize the loss of liquid to the river the areas are paved and curbed with drainage directed to the neutralization system (T -918-1) to discharge through a monitored state indirect discharge (SID) outfall to the city sewer system. Process waste water from building 400 flows to T-918-1 neutralization system to discharge through a monitored state indirect discharge (SID) outfall to the city sewer system.

Process water from bldg. 1400 is directed to the 16,600 gallon settling pit T-7903 or the 7300 gallon T-7901-1. The process water flow is pumped to a 761,400 gallon primary tank (T - 7901-5) or a 150,000 gallon segregation emergency tank (T-7920-1) for process waste water. The process waste water tank T-7920-1 is in a diked area with 55,400 gallons

of containment. These tanks direct process waste water to two 52,000 gallon biological treatment cells (H-7901-8, H-7901-9) then a 52,000 gallon clarifier (H-7901-11) and a 52,000 digester (H-7901-10). The water from the clarifiers is then sent to the neutralization system (T -7918-1) then to discharge through a monitored state indirect discharge (SID) outfall to the city sewer system. To control release and minimize the loss of liquid to the river these areas are paved and curbed with drainage directed to the primary process waste water tank (T -7901-5). Process waste water from building 1200 flows directly to T-7918-1 neutralization system, then to discharge through a monitored state indirect discharge (SID) outfall to the city sewer system.

Process water from the bldg. 800 and southwest operations is directed to two neutralization tanks (T-5918-1A and T-5918-1B) that are 12,000 gallons in size and are located within a containment area having capacity of 13,300 gallons. This meets the 110% requirement for containment of the largest tank. The flow is directed to discharge through a monitored state indirect discharge (SID) outfall to the city sewer system.

7) Neutralization Caustic Storage Area (East) - The east tank farm contains the following:

Tank Number	Name	Volume
T-909-3	Spent Caustic tank	16000
T-914-1	Caustic Storage	1727
	Total	17727

The tanks are located in a concrete diked area. This area has 24,500 gallons of containment, which meets 110% of the largest tank containment requirements.

8) Neutralization Caustic Storage Area (West) – The west tank farm contains the following:

Tank Number	Name	Volume
T-7909-3	Spent Caustic tank	16000
T-7914-1	Caustic Storage	1500

The tanks are located in a concrete diked area. This area has 19,300 gallons of containment, which meets 110% of the largest tank containment requirements.

9) Neutralization Caustic Storage Area (Southwest) - The tank farm contains the following:

Tank Number	Name	Volume (gal)
T-5909-3	Spent Caustic Storage	16000
T-5914-1	Caustic Storage	5000
	Total	21000

The spent caustic tank (T-5909-3) is double-walled to provide containment in the event of a release. The caustic storage tank (T-5914-1) is located in a concrete diked area. This area provides 5,500 gallons of containment, which meets the 110% containment requirement.

10) Neutralization Acid Storage Area (East) - This area contains a 1700-gallon acid tank (T-916-1). The containment for this area is 2180 gallons, which meets 110% requirements.

11) Neutralization Acid Storage Area (West) - This area contains a 1500-gallon acid tank (T-7916-1). The containment for this area is 8100 gallons, which meets 110% requirements.

12) Neutralization Acid Storage Area (Southwest) - This area contains a 5,500-gallon acid tank (T-5916-1). The containment for this area is 6,150 gallons, which meets the 110% containment requirement.

F. Utility water

1) Utility water used for cooling operations is processed through staged cooling towers. Water treatment chemicals used in utility water include biocide and treatment. The biocide is stored in a tote of 300 gal and treatment is stored in a drum of 55 gallon set on a containment skid that is housed inside an enclosed building. This utility water is processed through coolers for each of the three plant areas.

2) East Plant area

Cooler Number	Name	Volume (gal)
J-851-1	cooling water tower	1500
J-851-2	cooling water tower	1500
J-851-3	cooling water tower	1500
J-851-4	cooling water tower	1500

3) Northwest Plant area

Cooler Number	Name	Volume (gal)
J-9230-1	cooling water tower	1700
J-9230-2	cooling water tower	1700
J-9230-3	cooling water tower	1700
J-9230-4	cooling water tower	1700

4) West Plant area

Cooler Number	Name	Volume (gal)
J-9230-5	cooling water tower	1700
J-9230-6	cooling water tower	1700
J-9230-7	cooling water tower	1700
J-9230-8	cooling water tower	1700

G. Intermediate Material Storage

The only intermediate that will be stored outside is slurried polymer. This is material that has already been polymerized which is stored prior to extrusion and spinning. The east plant material is stored in four 110,000-gallon tanks (T -401-1A, T-401-1B, and T-5401-1C, T-5401-1D) and one 18,600 gal tank, T-309-1. The west plant material is stored in two 119,000-gallon tanks (T -7401-1A, T-7401-1B) and one 22, 100 gallon tank, T-7309-1. The areas are paved and diked with all drainage directed to T-903-1 for the east plant and T-7903 for the west plant to control a release and minimize the loss of liquid to the river. Because the material is already polymerized, it represents minimal environmental risk except for the possible cleanup of solid material.

III. HAZARDOUS & SOLID WASTES

The facility presently generates a small quantity of hazardous waste from laboratory, maintenance, or off spec materials. The Hexcel Decatur facility has an EPA identification number (ALR000007948) and is currently classified as a "small quantity generator" by the Alabama Department of Environmental Management. Solid wastes from the site consist of empty bags, containers, filters, and waste PAN fiber. When generated, a determination will be made of whether the waste is hazardous as required in Chapter 14-2 of the Alabama Hazardous Waste Regulations. All non-hazardous solid wastes will be profiled and disposed of in a State of Alabama approved facility. A 40' X 30' concrete pad has been provided to serve as a waste storage pad. This pad is designed to store hazardous waste, when required. This pad has a storage capacity of approximately 150-55 gallon drums (assuming four to a pallet stacked two pallets high). A chain-link fence and a gate have been provided for security. A roof and walls have been provided to minimize rainwater collection on the pad. The pad is diked and sloped to collect storm water in a sump. This sump discharges to the T-903 pit through a normally closed valve prior to being processed through the wastewater treatment plant. If a hazardous waste is spilled on the pad, it can be contained in the sump, removed and properly disposed. When a hazardous waste is generated at the site, it will be appropriately disposed of through a permitted hazardous waste facility. All hazardous waste will be properly characterized and manifested prior to shipment.

IV. EMERGENCY PREPAREDNESS

A. Spill Prevention Control and Countermeasures (SPCC)

An SPCC plan has been developed for the facility.

B. Best Management Practices Procedures

The facility is designed to prevent the loss of hazardous materials to the environment. Tank farms are located in diked areas designed to hold the largest tank. A diked concrete storage pad is supplied for the storage of solid and drummed materials. The facility will employ Best Management Practices to control discharge of hazardous materials from: 1.) plant site runoff, 2.) spillage and leaks, 3.) sludge and waste disposal, and 4.) drainage from material storage areas sumps. This will include, but not limited to, good housekeeping, preventive maintenance, inspections and records, security, and employee training. A plant operational procedure has been developed for these activities. The plant has a designated employee responsible for environmental and safety, who administers all safety and environmental management systems and programs. A storm water construction plan CBMPP has been prepared to ensure storm water runoff is properly managed and inspected.

EPA Identification number	NPDES Permit Number	Facility Name
ALR000007948	AL0065137	Hexcel Corporation

Form 187 Section J

Outfall No.	Receiving Waters	303(d) segment	Included in TMDL
DSN002	AL06030002-1107-103	Yes	No
DSN003	AL06030002-1107-103	Yes	No
DSN007	AL06030002-1107-103	Yes	No
DSN005	AL06030002-1107-103	Yes	No
DSN011	AL06030002-1107-103	Yes	No
DSN012	AL06030002-1107-103	Yes	No
DSN006	AL06030002-1107-103	Yes	No
DSN015	AL06030002-1107-103	Yes	No
DSN016	AL06030002-1107-103	Yes	No
DSN017	AL06030002-1107-103	Yes	No
DSN018	AL06030002-1107-103	Yes	No
DSN019	AL06030002-1107-103	Yes	No

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
ALR000007948	AL0065137	Hexcel Corporation	

Form 1 NPDES

EPA

U.S. Environmental Protection Agency
Application for NPDES Permit to Discharge Wastewater

GENERAL INFORMATION

SECTION 1. ACTIVITIES REQUIRING AN NPDES PERMIT (40 CFR 122.21(f) and (f)(1))

Activities Requiring an NPDES Permit

1.1 Applicants *Not Required* to Submit Form 1

1.1.1	Is the facility a new or existing **publicly owned treatment works**? If yes, STOP. Do NOT complete Form 1. Complete Form 2A. ☑ No	1.1.2	Is the facility a new or existing **treatment works treating domestic sewage**? If yes, STOP. Do NOT complete Form 1. Complete Form 2S. ☑ No

1.2 Applicants *Required* to Submit Form 1

1.2.1	Is the facility a **concentrated animal feeding operation** or a **concentrated aquatic animal production facility?** ☐ Yes ➔ Complete Form 1 ***and*** Form 2B. ☑ No	1.2.2	Is the facility an **existing** manufacturing, commercial, mining, or silvicultural **facility** that **is currently discharging process wastewater**? ☐ Yes ➔ Complete Form 1 ***and*** Form 2C. ☑ No
1.2.3	Is the facility a **new** manufacturing, commercial, mining, or silvicultural **facility** that has **not yet commenced to discharge**? ☐ Yes ➔ Complete Form 1 ***and*** Form 2D. ☑ No	1.2.4	Is the facility a **new or existing** manufacturing, commercial, mining, or silvicultural **facility** that **discharges only nonprocess wastewater**? ☑ Yes ➔ Complete Form 1 ***and*** Form 2E. ☐ No
1.2.5	Is the facility a **new or existing facility** whose discharge is composed entirely of **stormwater associated with industrial activity** or whose discharge is composed of **both stormwater and non-stormwater**? ☑ Yes ➔ Complete Form 1 ***and*** Form 2F unless exempted by 40 CFR 122.26(b)(14)(x) or (b)(15). ☐ No		

SECTION 2. NAME, MAILING ADDRESS, AND LOCATION (40 CFR 122.21(f)(2))

Name, Mailing Address, and Location

2.1 Facility Name

Hexcel Corporation

2.2 EPA Identification Number

ALR000007948

2.3 Facility Contact

Name (first and last)	Title	Phone number
Matthew Jenkins	Senior EHS Engineer	(256) 340-4095

Email address
matthew.jenkins@hexcel.com

2.4 Facility Mailing Address

Street or P.O. box
3300 Mallard Fox Drive

City or town	State	ZIP code
Decatur	AL	35601

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WATER DIVISION

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
ALR000007948	AL0065137	Hexcel Corporation	

Name, Mailing Address, and Location Continued

2.5 **Facility Location**

Street, route number, or other specific identifier
3300 Mallard Fox Drive

County name	County code (if known)	
Morgan	052	

City or town	State	ZIP code
Decatur	AL	35601

SECTION 3. SIC AND NAICS CODES (40 CFR 122.21(f)(3))

SIC and NAICS Codes

3.1

SIC Code(s)	Description (optional)
2824	Man made organic fibers except cellulosic

3.2

NAICS Code(s)	Description (optional)
325220	Artificial and Synthetic Fibers and Filaments Manufacturing

SECTION 4. OPERATOR INFORMATION (40 CFR 122.21(f)(4))

Operator Information

4.1 **Name of Operator**

Hexcel Corporation

4.2 Is the name you listed in Item 4.1 also the owner?

☑ Yes ☐ No

4.3 **Operator Status**

☐ Public—federal ☐ Public—state ☐ Other public (specify)_____

☑ Private ☐ Other (specify) _____

4.4 **Phone Number of Operator**

(256) 340-4027

Operator Information Continued

4.5 **Operator Address**

Street or P.O. Box
3300 Mallard Fox Drive

City or town	State	ZIP code
Decatur	AL	35601

Email address of operator
Brent.Gann@Hexcel.com

SECTION 5. INDIAN LAND (40 CFR 122.21(f)(5))

Indian Land

5.1 Is the facility located on Indian Land?

☐ Yes ☑ No

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
ALR000007948	AL0065137	Hexcel Corporation	

SECTION 6. EXISTING ENVIRONMENTAL PERMITS (40 CFR 122.21(f)(6))

Existing Environmental Permits

6.1 **Existing Environmental Permits** (check all that apply and print or type the corresponding permit number for each)

☑ NPDES (discharges to surface water) AL0065137	☑ RCRA (hazardous wastes) ALR000007948	☐ UIC (underground injection of fluids)
☐ PSD (air emissions)	☐ Nonattainment program (CAA)	☐ NESHAPs (CAA)
☐ Ocean dumping (MPRSA)	☐ Dredge or fill (CWA Section 404)	☑ Other (specify) SID - IU 08 5200373

SECTION 7. MAP (40 CFR 122.21(f)(7))

Map

7.1 Have you attached a topographic map containing all required information to this application? (See instructions for specific requirements.)

☑ Yes ☐ No ☐ CAFO—Not Applicable (See requirements in Form 2B.)

SECTION 8. NATURE OF BUSINESS (40 CFR 122.21(f)(8))

Nature of Business

8.1 Describe the nature of your business.

Hexcel Corporation is a facility in the Mallard Fox Creek Industrial Complex which produces Polyacrylonitrile (PAN) fibers. The manufacturing process (SIC Code 2824/NAICS: 325220) includes receipt, unloading and storage of truck delivered quantities of raw material chemicals and other materials, polymerization operations, polymer dissolving, inorganic solvent recovery, spinning, washing, drying, winding, packaging, and shipping finished PAN fiber. The facility operates 24 hours a day 7-days a week. Hexcel plans to finish construction on a carbon fiber line and begin producing carbon within the next 5 years.

SECTION 9. COOLING WATER INTAKE STRUCTURES (40 CFR 122.21(f)(9))

Cooling Water Intake Structures

9.1 Does your facility use cooling water?

☑ Yes ☐ No ➔ SKIP to Item 10.1.

9.2 Identify the source of cooling water. (Note that facilities that use a cooling water intake structure as described at 40 CFR 125, Subparts I and J may have additional application requirements at 40 CFR 122.21(r). Consult with your NPDES permitting authority to determine what specific information needs to be submitted and when.)

Municipal water supply

SECTION 10. VARIANCE REQUESTS (40 CFR 122.21(f)(10))

Variance Requests

10.1 Do you intend to request or renew one or more of the variances authorized at 40 CFR 122.21(m)? (Check all that apply. Consult with your NPDES permitting authority to determine what information needs to be submitted and when.)

☐ Fundamentally different factors (CWA Section 301(n))	☐ Water quality related effluent limitations (CWA Section 302(b)(2))
☐ Non-conventional pollutants (CWA Section 301(c) and (g))	☐ Thermal discharges (CWA Section 316(a))
☑ Not applicable	

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
ALR000007948	AL0065137	Hexcel Corporation	

SECTION 11. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

Checklist and Certification Statement

11.1 In Column 1 below, mark the sections of Form 1 that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to provide attachments.

Column 1	Column 2
☑ Section 1: Activities Requiring an NPDES Permit	☑ w/ attachments
☑ Section 2: Name, Mailing Address, and Location	☐ w/ attachments
☑ Section 3: SIC Codes	☐ w/ attachments
☑ Section 4: Operator Information	☐ w/ attachments
☑ Section 5: Indian Land	☐ w/ attachments
☑ Section 6: Existing Environmental Permits	☐ w/ attachments
☑ Section 7: Map	☑ w/ topographic map ☐ w/ additional attachments
☑ Section 8: Nature of Business	☐ w/ attachments
☑ Section 9: Cooling Water Intake Structures	☐ w/ attachments
☑ Section 10: Variance Requests	☐ w/ attachments
☑ Section 11: Checklist and Certification Statement	☐ w/ attachments

11.2 **Certification Statement**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name (print or type first and last name)	Official title
Brent Gann	Plant Manager
Signature 	Date signed 12/14/22

EPA ID# ALR000007948
NPDES# AL0065137
Facility Name: Hexcel Corporation
Form 1 Question 7.1

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
ALR000007948	AL0065137	Hexcel Corporation	

FORM 2E NPDES | EPA

U.S. Environmental Protection Agency
Application for NPDES Permit to Discharge Wastewater
MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURAL FACILITIES WHICH DISCHARGE ONLY NONPROCESS WASTEWATER

SECTION 1. OUTFALL LOCATION (40 CFR 122.21(h)(1))

Outfall Location

1.1 Provide information on each of the facility's outfalls in the table below.

Outfall Number	Receiving Water Name	Latitude	Longitude
DSN002	Tennessee River	34° 39′ 14″ N	-87° 4′ 21″ W
DSN007	Tennessee River	34° 39′ 28″ N	-87° 4′ 16″ W
DSN017	Tennessee River	34° 39′ 32.6″ N	-87° 4′ 28.7″ W

SECTION 2. DISCHARGE DATE (40 CFR 122.21(h)(2))

Discharge Date

2.1 Are you a new or existing discharger? (Check only one response.)

☐ New discharger ☑ Existing discharger ➔ SKIP to Section 3.

2.2 Specify your anticipated discharge date:

SECTION 3. WASTE TYPES (40 CFR 122.21(h)(3))

Waste Types

3.1 What types of wastes are currently being discharged if you are an existing discharger or will be discharged if you are a new discharger? (Check all that apply.)

☐ Sanitary wastes
☐ Restaurant or cafeteria waste
☑ Non-contact cooling water
☑ Other nonprocess wastewater (describe/explain directly below)

3.2 Does the facility use cooling water additives?

☐ Yes ☑ No ➔ SKIP to Section 4.

3.3 List the cooling water additives used and describe their composition.

Cooling Water Additives (list)	Composition of Additives (if available to you)
None	

SECTION 4. EFFLUENT CHARACTERISTICS (40 CFR 122.21(h)(4))

Effluent Characteristics

4.1 Have you completed monitoring for all parameters in the table below at each of your outfalls and attached the results to this application package?

☐ Yes ☐ No; a waiver has been requested from my NPDES permitting authority (attach waiver request and additional information) ➔ SKIP to Section 5.

4.2 Provide data as requested in the table below.[1] (See instructions for specifics.)

Parameter or Pollutant	Number of Analyses (if actual data reported)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Source (use codes per instructions)
		Mass	Conc.	Mass	Conc.	
Biochemical oxygen demand (BOD_5)	See attachment					
Total suspended solids (TSS)						
Oil and grease						
Ammonia (as N)						
Discharge flow						
pH (report as range)						
Temperature (winter)						
Temperature (summer)						

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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Effluent Characteristics Continued

4.3 Is fecal coliform believed present, or is sanitary waste discharged (or will it be discharged)?

☐ Yes ☑ No ➔ SKIP to Item 4.5.

4.4 Provide data as requested in the table below.[1] (See instructions for specifics.)

Parameter or Pollutant	Number of Analyses (if actual data reported)	Maximum Daily Discharge (specify units) Mass	Maximum Daily Discharge (specify units) Conc.	Average Daily Discharge (specify units) Mass	Average Daily Discharge (specify units) Conc.	Source (Use codes per Instructions)
Fecal coliform						
E. coli						
Enterococci						

4.5 Is chlorine used (or will it be used)?

☐ Yes ☑ No ➔ SKIP to Item 4.7.

4.6 Provide data as requested in the table below.[1] (See instructions for specifics.)

Parameter or Pollutant	Number of Analyses (if actual data reported)	Maximum Daily Discharge (specify units) Mass	Maximum Daily Discharge (specify units) Conc.	Average Daily Discharge (specify units) Mass	Average Daily Discharge (specify units) Conc.	Source (use codes per instructions)
Total Residual Chlorine						

4.7 Is non-contact cooling water discharged (or will it be discharged)?

☑ Yes ☐ No ➔ SKIP to Section 5.

4.8 Provide data as requested in the table below.[1] (See instructions for specifics.)

Parameter or Pollutant	Number of Analyses (if actual data reported)	Maximum Daily Discharge (specify units) Mass	Maximum Daily Discharge (specify units) Conc.	Average Daily Discharge (specify units) Mass	Average Daily Discharge (specify units) Conc.	Source (use codes per instructions)
Chemical oxygen demand (COD)						
Total organic carbon (TOC)						

SECTION 5. FLOW (40 CFR 122.21(h)(5))

Flow

5.1 Except for stormwater water runoff, leaks, or spills, are any of the discharges you described in Sections 1 and 3 of this application intermittent or seasonal?

☑ Yes ➔ Complete this section. ☐ No ➔ SKIP to Section 6.

5.2 Briefly describe the frequency and duration of flow.

DSN002 - Non-contact cooling water is for fire fighting purposes only. Flows only during fire or testing. 30minutes per week at 50 gpm, 150 gallons. DSN007 - HVAC condensate will be seasonal, with less flow in the wintertime. Approximately 1 gpm in the summer. DSN017 - Mix of noncotact cooling water only for fire fighting purposes (3050 gpm) and HVAC condensate 1 gpm. Values shown are based on 1 hour fire fighting flow

SECTION 6. TREATMENT SYSTEM (40 CFR 122.21(h)(6))

Treatment System

6.1 Briefly describe any treatment system(s) used (or to be used).

None
Settling ponds

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
ALR000007948	AL0065137	Hexcel Corporation	

SECTION 7. OTHER INFORMATION (40 CFR 122.21(h)(7))

Other Information

7.1 Use the space below to expand upon any of the above items. Use this space to provide any information you believe the reviewer should consider in establishing permit limitations. Attach additional sheets as needed.

SECTION 8. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

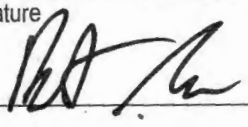
Checklist and Certification Statement

8.1 In Column 1 below, mark the sections of Form 2E that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to provide attachments.

Column 1	Column 2
☑ Section 1: Outfall Location	☐ w/ attachments (e.g., responses for additional outfalls)
☑ Section 2: Discharge Date	☐ w/ attachments
☑ Section 3: Waste Types	☐ w/ attachments
☑ Section 4: Effluent Characteristics	☑ w/ attachments
☑ Section 5: Flow	☐ w/ attachments
☑ Section 6: Treatment System	☐ w/ attachments
☐ Section 7: Other Information	☐ w/ attachments
☑ Section 8: Checklist and Certification Statement	☐ w/ attachments

8.2 **Certification Statement**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name (print or type first and last name)	Official title
Brent Gann	Plant Manager
Signature 	Date signed 12/19/22

Form 2E Section 4

EPA Identification number	NPDES Permit Number	Facility Name
ALR000007948	AL0065137	Hexcel Corporation

Outfall Number			Maximum Daily Discharge		Average Daily Discharge		
DSN002	Parameter or Pollutant	Number of Analyses	mass (g)	conc. (mg/L)	mass	conc.	Source
Sample Date 7/1/2022	Biological oxygen demand (BOD5)	1	<1.13	<2.00			
	Total suspended solids (TSS)	1	<1.42	<2.50			
	Oil and grease	1	<2.84	<5.00			
	Ammonia (as N)	1	<.06	<0.100			
	total residual chlorine (H)	1	<0.01	<0.02			
	COD	1	8.51	15			
	TOC	1	0.68	1.19			
	Discharge flow (MGD)		0.00015				
	pH (report as range)		6.7 to 7.7				
	Temperature (winter)		18°C				
	Temperature (summer)		29°C				

*Non contact cooling water for fire pumps. Only discharges upon testing (max 30 minutes per week) or actual fire.
(H) - sample was tested beyond the holding time for this analysis.

Outfall Number			Maximum Daily Discharge		Average Daily		
DSN007	Parameter or Pollutant	Number of Analyses	mass (g)	conc. (mg/L)	mass	conc.	Source
Sample Date 6/29/2022	Biological oxygen demand (BOD5)	1	40.1	7.36			
	Total suspended solids (TSS)	1	<13.6	<2.50			
	Oil and grease	1	<27.2	<5.00			
	Ammonia (as N)	1	11.8	2.17			
	total residual chlorine (H)	1	0.54	0.10			
	COD	1	158	29.0			
	TOC	1	36.4	6.68			
	Discharge flow (MGD)		0.00144				
	pH (report as range)		6.0 to 6.5				
	Temperature (winter)		18°C				
	Temperature (summer)		29°C				

(H) - sample was tested beyond the holding time for this analysis.

Outfall Number			Maximum Daily Discharge		Average Daily		
DSN017	Parameter or Pollutant	Number of Analyses	mass (g)*	conc. (mg/L)	mass	conc.	Source
Sample Date	Biological oxygen demand (BOD5)	1	<1384.6	<2.00			
	Total suspended solids (TSS)	1	<1730.7	<2.50			
	Oil and grease	1	<3461.4	<5.00			
	Ammonia (as N)	1	<69.2	<0.100			
	total residual chlorine (H)	1	<13.8	<0.02			
	COD	1	10,384.33	15			
	TOC	1	823.8	1.19			
	Discharge flow (MGD)*		0.183				
	pH (report as range)		6.7 to 7.7				
	Temperature (winter)		18°C				
	Temperature (summer)		29°C				

*Based on 1 hour of firefighting flow.

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
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Form 2F NPDES

EPA

U.S Environmental Protection Agency
Application for NPDES Permit to Discharge Wastewater

STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY

SECTION 1. OUTFALL LOCATION (40 CFR 122.21(g)(1))

Outfall Location

1.1 Provide information on each of the facility's outfalls in the table below

Outfall Number	Receiving Water Name	Latitude	Longitude
	See Attachment	° ' "	° ' "
		° ' "	° ' "
		° ' "	° ' "
		° ' "	° ' "
		° ' "	° ' "
		° ' "	° ' "

SECTION 2. IMPROVEMENTS (40 CFR 122.21(g)(6))

Improvements

2.1 Are you presently required by any federal, state, or local authority to meet an implementation schedule for constructing, upgrading, or operating wastewater treatment equipment or practices or any other environmental programs that could affect the discharges described in this application?

☐ Yes ☑ No → SKIP to Section 3.

2.2 Briefly identify each applicable project in the table below.

Brief Identification and Description of Project	Affected Outfalls (list outfall numbers)	Source(s) of Discharge	Final Compliance Dates	
			Required	Projected

2.3 Have you attached sheets describing any additional water pollution control programs (or other environmental projects that may affect your discharges) that you now have underway or p[illegible] Optional Item

☐ Yes ☐ No

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EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19 OMB No. 2040-0004
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SECTION 3. SITE DRAINAGE MAP (40 CFR 122.26(c)(1)(i)(A))

Site Drainage Map

3.1 Have you attached a site drainage map containing all required information to this application? (See instructions for specific guidance.)

☑ Yes ☐ No

SECTION 4. POLLUTANT SOURCES (40 CFR 122.26(c)(1)(i)(B))

Pollutant Sources

4.1 Provide information on the facility's pollutant sources in the table below.

Outfall Number	Impervious Surface Area (within a mile radius of the facility)		Total Surface Area Drained (within a mile radius of the facility)	
	See Attachment	*specify units*		*specify units*
		specify units		*specify units*
		specify units		*specify units*
		specify units		*specify units*
		specify units		*specify units*
		specify units		*specify units*

4.2 Provide a narrative description of the facility's significant material in the space below. (See instructions for content requirements.)

Acrylonitrile, Sulfuric Acid, Nitric Acid, and Sodium Hydroxide are stored in tanks with secondary containment (110%+), then pumped to points of use within the plant site. Polymer intermediate is reacted, then stored in external tanks with secondary containment (110%+). Small quantities of hazardous waste are stored inside laboratory buildings prior to transport for disposal. Oil and other lubricants are stored in small quantities in the enclosed drum storage area and transported via closed point of use containers into the plant during maintenance activities. Herbicides are applied to graveled areas when growth is observed during the warm months, 3 - 5 general applications/year.

4.3 Provide the location and a description of existing structural and non-structural control measures to reduce pollutants in stormwater runoff. (See instructions for specific guidance.)

Stormwater Treatment		
Outfall Number	Control Measures and Treatment	Codes from Exhibit 2F–1 (list)
	See Attachment	

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SECTION 5. NON STORMWATER DISCHARGES (40 CFR 122.26(c)(1)(i)(C))

Non-Stormwater Discharges

5.1 *I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of non-stormwater discharges. Moreover, I certify that the outfalls identified as having non-stormwater discharges are described in either an accompanying NPDES Form 2C, 2D, or 2E application.*

Name (print or type first and last name)	Official title
Brent Gann	Plant Manager
Signature	**Date signed**
	12/14/22

5.2 Provide the testing information requested in the table below.

Outfall Number	Description of Testing Method Used	Date(s) of Testing	Onsite Drainage Points Directly Observed During Test

SECTION 6. SIGNIFICANT LEAKS OR SPILLS (40 CFR 122.26(c)(1)(i)(D))

Significant Leaks or Spills

6.1 Describe any significant leaks or spills of toxic or hazardous pollutants in the last three years.

On September 4, 2019 at approximately 1:10 pm, chemical operators were blowing out the sulfuric acid line with air from T-7916 to T-5916. A hose was attached to the vent line on the sulfuric acid pump and ran into the top of T-5916 to collect and hold any sulfuric acid that was going to come out of the line once it started being evacuated. At approximately 1:15 pm, the hose in the top of the tank T-5916 came out and started blowing around, causing sulfuric acid residue to spray on the nearby rocks, roadway, and ditch. Acid neutralizer was spread across the areas that were sprayed with sulfuric acid. Sand bags were used to dam up the concrete ditch adjacent to the tank. A calculated determination of the worst case of released material was found to be well below the reportable quantity for this material. Measurements of pH of water in the ditch ranged from 7.9 to 8.1 which indicates that minimal material droplets was in the ditch. Ranger Environmental was brought in on September 5, 2019 to complete the cleanup.

SECTION 7. DISCHARGE INFORMATION (40 CFR 122.26(c)(1)(i)(E))

Discharge Information

See the instructions to determine the pollutants and parameters you are required to monitor and, in turn, the tables you must complete. Not all applicants need to complete each table.

7.1 Is this a new source or new discharge?

☐ Yes ➔ See instructions regarding submission of *estimated* data.

☑ No ➔ See instructions regarding submission of *actual* data.

Tables A, B, C, and D

7.2 Have you completed Table A for each outfall?

☐ Yes

☑ No

Discharge Information Continued

7.3	Is the facility subject to an effluent limitation guideline (ELG) or effluent limitations in an NPDES permit for its process wastewater? ☐ Yes ☑ No ➔ SKIP to Item 7.5.
7.4	Have you completed Table B by providing quantitative data for those pollutants that are (1) limited either directly or indirectly in an ELG and/or (2) subject to effluent limitations in an NPDES permit for the facility's process wastewater? ☐ Yes ☐ No
7.5	Do you know or have reason to believe any pollutants in Exhibit 2F–2 are present in the discharge? ☑ Yes ☐ No ➔ SKIP to Item 7.7.
7.6	Have you listed all pollutants in Exhibit 2F–2 that you know or have reason to believe are present in the discharge and provided quantitative data or an explanation for those pollutants in Table C? ☑ Yes ☐ No
7.7	Do you qualify for a small business exemption under the criteria specified in the Instructions? ☐ Yes ➔ SKIP to Item 7.18. ☑ No
7.8	Do you know or have reason to believe any pollutants in Exhibit 2F–3 are present in the discharge? ☑ Yes ☐ No ➔ SKIP to Item 7.10.
7.9	Have you listed all pollutants in Exhibit 2F–3 that you know or have reason to believe are present in the discharge in Table C? ☑ Yes ☐ No
7.10	Do you expect any of the pollutants in Exhibit 2F–3 to be discharged in concentrations of 10 ppb or greater? ☑ Yes ☐ No ➔ SKIP to Item 7.12.
7.11	Have you provided quantitative data in Table C for those pollutants in Exhibit 2F–3 that you expect to be discharged in concentrations of 10 ppb or greater? ☑ Yes ☐ No
7.12	Do you expect acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6-dinitrophenol to be discharged in concentrations of 100 ppb or greater? ☐ Yes ☑ No ➔ SKIP to Item 7.14.
7.13	Have you provided quantitative data in Table C for the pollutants identified in Item 7.12 that you expect to be discharged in concentrations of 100 ppb or greater? ☐ Yes ☐ No
7.14	Have you provided quantitative data or an explanation in Table C for pollutants you expect to be present in the discharge at concentrations less than 10 ppb (or less than 100 ppb for the pollutants identified in Item 7.12)? ☑ Yes ☐ No
7.15	Do you know or have reason to believe any pollutants in Exhibit 2F–4 are present in the discharge? ☐ Yes ☑ No ➔ SKIP to Item 7.17.
7.16	Have you listed pollutants in Exhibit 2F–4 that you know or believe to be present in the discharge and provided an explanation in Table C? ☐ Yes ☐ No
7.17	Have you provided information for the storm event(s) sampled in Table D? ☐ Yes ☑ No

Discharge Information Continued

Used or Manufactured Toxics

7.18 Is any pollutant listed on Exhibits 2F–2 through 2F–4 a substance or a component of a substance used or manufactured as an intermediate or final product or byproduct?

☑ Yes ☐ No ➔ SKIP to Section 8.

7.19 List the pollutants below, including TCDD if applicable.

1. Acrylonitrile	4. Sulfate	7. Cyanide, total
2. Nitrate-nitrite	5. Sulfite	8.
3. Nitrogen, total organic	6. Iron	9.

SECTION 8. BIOLOGICAL TOXICITY TESTING DATA (40 CFR 122.21(g)(11))

Biological Toxicity Testing Data

8.1 Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last three years?

☐ Yes ☑ No ➔ SKIP to Section 9.

8.2 Identify the tests and their purposes below.

Test(s)	Purpose of Test(s)	Submitted to NPDES Permitting Authority?	Date Submitted
		☐ Yes ☐ No	
		☐ Yes ☐ No	
		☐ Yes ☐ No	

SECTION 9. CONTRACT ANALYSIS INFORMATION (40 CFR 122.21(g)(12))

Contract Analysis Information

9.1 Were any of the analyses reported in Section 7 (on Tables A through C) performed by a contract laboratory or consulting firm?

☑ Yes ☐ No ➔ SKIP to Section 10.

9.2 Provide information for each contract laboratory or consulting firm below.

	Laboratory Number 1	Laboratory Number 2	Laboratory Number 3
Name of laboratory/firm	Pace Analytical - Decatur Pace National Laboratory	Mt Juliet Pace Analytical National Center for Testing & Innovation Laboratory	Southern Environmental Testing
Laboratory address	1313 Point Mallard Parkway, SE, Suite B Decatur, AL 35601	12065 Lebanon Rd Mt. Juliet, TN 37122	2919 Fairground Road SW Decatur, AL 35603
Phone number	(256) 573-9160	(615) 758-5858	(256) 350-0846
Pollutant(s) analyzed	All listed	All listed	All listed

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SECTION 10. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

Checklist and Certification Statement

10.1 In Column 1 below, mark the sections of Form 2F that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments.

Column 1	Column 2
☑ Section 1	☑ w/ attachments (e.g., responses for additional outfalls)
☑ Section 2	☐ w/ attachments
☑ Section 3	☑ w/ site drainage map
☑ Section 4	☑ w/ attachments
☑ Section 5	☐ w/ attachments
☑ Section 6	☐ w/ attachments
☑ Section 7	☑ Table A ☐ w/ small business exemption request ☐ Table B ☐ w/ analytical results as an attachment ☑ Table C ☑ Table D
☐ Section 8	☐ w/attachments
☑ Section 9	☐ w/attachments (e.g., responses for additional contact laboratories or firms)
☑ Section 10	☐

10.2 **Certification Statement**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name (print or type first and last name)	Official title
Brent Gann	Plant Manager
Signature	**Date signed**
	12/15/22

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
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TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))[1]

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

	Pollutant or Parameter	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
		Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
1.	Oil and grease						
2.	Biochemical oxygen demand (BOD_5)						
3.	Chemical oxygen demand (COD)						
4.	Total suspended solids (TSS)						
5.	Total phosphorus						
6.	Total Kjeldahl nitrogen (TKN)						
7.	Total nitrogen (as N)						
8.	pH (minimum)						
	pH (maximum)						

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
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Form Approved 03/05/19
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TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))[1]

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number
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TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))[1]

List each pollutant shown in Exhibits 2F–2, 2F–3, and 2F–4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm Events Sampled	Source of Information (new source/new dischargers only; use codes in instructions)
	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite		
Nitrate-nitrite						
Nitrogen, total organic						
Sulfate						
Sulfite						
Molybdenum						
Acrylonitrile						
Cyanide, total						

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number	NPDES Permit Number	Facility name	Outfall Number
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TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
See attachment					

Provide a description of the method of flow measurement or estimate.

EPA Identification number	NPDES Permit Number	Facility Name
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2F Section 1

Outfall number	Receiving Water name	Latitude	Longitude
DSN002	Tennessee Rivier	34° 39' 14" N	-87° 4' 21" W
DSN003	Tennessee Rivier	34° 39' 17" N	-87° 4' 21" W
DSN005	Tennessee Rivier	34° 39' 27" N	-87° 4' 14" W
DSN006	Tennessee Rivier	34° 39' 20" N	-87° 4' 10" W
DSN007	Tennessee Rivier	34° 39' 28" N	-87° 4' 16 W
DSN011	Tennessee Rivier	34° 39' 25" N	-87° 4' 12" W
DSN012	Tennessee Rivier	34° 39' 24" N	-87° 4' 10" W
DSN015	Tennessee Rivier	34° 39' 17" N	-87° 4' 12" W
DSN016	Tennessee Rivier	34° 39' 12" N	-87° 4' 16" W
DSN017	Tennessee Rivier	34° 39' 32.6" N	-87° 4' 28.7" W
DSN018	Tennessee Rivier	34° 39' 16" N	-87° 4' 21" W
DSN019	Tennessee Rivier	34° 39' 27.5" N	-87° 4' 20.2" W

EPA Identification number	NPDES Permit Number	Facility Name
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2F 4.1

Outfall number	Impervious surface area	Units	Total Surface area	units
DSN002	2,528	sq ft	13,952	sq ft
DSN003	7,396	sq ft	7,396	sq ft
DSN005	26,683	sq ft	80,370	sq ft
DSN006	71,672	sq ft	163,424	sq ft
DSN007	213,444	sq ft	248,292	sq ft
DSN011	13,404	sq ft	54,952	sq ft
DSN012	11,058	sq ft	62,217	sq ft
DSN015	53,758	sq ft	103,429	sq ft
DSN016	36,468	sq ft	40,008	sq ft
DSN017	593,395	sq ft	3,147,342	sq ft
DSN018	19,600	sq ft	30,000	sq ft
DSN019	6,316	sq ft	19,360	sq ft

EPA Identification number	NPDES Permit Number	Facility Name
ALR000007948	AL0065137	Hexcel Corporation

2F 4.3

Outfall number	Control measures and treatment	Codes
DSN002	Gravel, Secondary containment of tanks, SPCC and BMP	1-U
DSN003	Gravel, Secondary containment of tanks, SPCC and BMP	1-U
DSN005	Gravel, Secondary containment of tanks, SPCC and BMP	1-U
DSN006	Gravel, Secondary containment of tanks, SPCC and BMP	1-U
DSN007	Gravel, Secondary containment of tanks, SPCC and BMP	1-U
DSN011	Gravel, Secondary containment of tanks, SPCC and BMP	1-U
DSN012	Gravel, Secondary containment of tanks, SPCC and BMP	1-U
DSN015	Gravel, Secondary containment of tanks, SPCC and BMP	1-U
DSN016	Gravel, Secondary containment of tanks, SPCC and BMP	1-U
DSN017	Gravel, Secondary containment of tanks, SPCC and BMP	1-U
DSN018	Gravel, Secondary containment of tanks, SPCC and BMP	1-U
DSN019	Gravel, Secondary containment of tanks, SPCC and BMP	1-U

Form 2F Table A

EPA Identification number	NPDES Permit Number	Facility Name
ALR000007948	AL0065137	Hexcel Corporation

Outfall Number		Maximum Daily Discharge		Average Daily Discharge		Number of Storm events sampled	Source of Information
		Grab sample 1st 30 minutes	Flow weighted composite	Grab sample 1st 30 minutes	Flow weighted composite		
DSN003	Parameter or Pollutant	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)		
	Oil and grease	< 5				1	
	Biological oxygen demand (BOD5)	13.1	15.7			1	
	COD	17	58			1	
	Total suspended solids (TSS)	12	18			1	
	Total phosphorus	0.05	0.08			1	
	Total Kjeldahl nitrogen	0.55	0.528			1	
	Total Nitrogen	1.32	1.26			1	
	pH (minimum)	6.7				1	
	pH (maximum)	6.7				1	

Outfall Number		Maximum Daily Discharge		Average Daily Discharge		Number of Storm events sampled	Source of Information
		Grab sample 1st 30 minutes	Flow weighted composite	Grab sample 1st 30 minutes	Flow weighted composite		
DSN005	Parameter or Pollutant	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)		
	Oil and grease	<5.00				1	
	Biological oxygen demand (BOD5)	<2.00	<2.00			1	
	COD	<10.0	19.0			1	
	Total suspended solids (TSS)	7.00	8.00			1	
	Total phosphorus	0.820	0.08			1	
	Total Kjeldahl nitrogen	<2.00	<2.00			1	
	Total Nitrogen	<5.00	<5.00			1	
	pH (minimum)	7.0				1	
	pH (maximum)	7.0				1	

Outfall Number		Maximum Daily Discharge		Average Daily Discharge		Number of Storm events sampled	Source of Information
		Grab sample 1st 30 minutes	Flow weighted composite	Grab sample 1st 30 minutes	Flow weighted composite		
DSN006	Parameter or Pollutant	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)		
	Oil and grease	<5.00				1	
	Biological oxygen demand (BOD5)	2.80	4.68			1	
	COD	15.0	17.0			1	
	Total suspended solids (TSS)	241	157			1	
	Total phosphorus	1.24	0.160			1	
	Total Kjeldahl nitrogen	<2.00	<2.00			1	
	Total Nitrogen	<5.00	<5.00			1	
	pH (minimum)	6.8				1	
	pH (maximum)	6.8				1	

Form 2F Table A

EPA Identification number	NPDES Permit Number	Facility Name
ALR000007948	AL0065137	Hexcel Corporation

Outfall Number		Maximum Daily Discharge		Average Daily Discharge		Number of Storm events sampled	Source of Information
		Grab sample 1st 30 minutes	Flow weighted composite	Grab sample 1st 30 minutes	Flow weighted composite		
DSN007	Parameter or Pollutant	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)		
	Oil and grease	< 6.25				1	
	Biological oxygen demand (BOD5)	**TBD**				1	
	COD	< 20				1	
	Total suspended solids (TSS)	5.8				1	
	Total phosphorus	**TBD**				1	
	Total Kjeldahl nitrogen	< 0.25				1	
	Total Nitrogen	1.47				1	
	pH (minimum)	7.1				1	
	pH (maximum)	7.1				1	

Outfall Number		Maximum Daily Discharge		Average Daily Discharge		Number of Storm events sampled	Source of Information
		Grab sample 1st 30 minutes	Flow weighted composite	Grab sample 1st 30 minutes	Flow weighted composite		
DSN017	Parameter or Pollutant	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)		
	Oil and grease	<5.00				1	
	Biological oxygen demand (BOD5)	3.02	3.06			1	
	COD	18.0	15.0			1	
	Total suspended solids (TSS)	3.00	<2.50			1	
	Total phosphorus	<0.0500	<0.0500			1	
	Total Kjeldahl nitrogen	<2.00	<2.00			1	
	Total Nitrogen	<5.00	<5.00			1	
	pH (minimum)	6.8				1	
	pH (maximum)	6.8				1	

Outfall Number		Maximum Daily Discharge		Average Daily Discharge		Number of Storm events sampled	Source of Information
		Grab sample 1st 30 minutes	Flow weighted composite	Grab sample 1st 30 minutes	Flow weighted composite		
DSN018	Parameter or Pollutant	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)		
	Oil and grease	< 5				1	
	Biological oxygen demand (BOD5)	9.04	12.2			1	
	COD	19	26			1	
	Total suspended solids (TSS)	31	9			1	
	Total phosphorus	0.07	0.06			1	
	Total Kjeldahl nitrogen	0.58	0.504			1	
	Total Nitrogen	1.08	3.1			1	
	pH (minimum)	6.7				1	
	pH (maximum)	6.7				1	

Form 2F Table A

EPA Identification number	NPDES Permit Number	Facility Name
ALR000007948	AL0065137	Hexcel Corporation

Outfall Number		Maximum Daily Discharge		Average Daily Discharge		Number of Storm events sampled	Source of Information
		Grab sample 1st 30 minutes	Flow weighted composite	Grab sample 1st 30 minutes	Flow weighted composite		
DSN019	Parameter or Pollutant	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)		
	Oil and grease	< 5				1	
	Biological oxygen demand (BOD5)	12.2	11.4			1	
	COD	29	30			1	
	Total suspended solids (TSS)	72	24			1	
	Total phosphorus	0.17	0.13			1	
	Total Kjeldahl nitrogen	1.34	1.24			1	
	Total Nitrogen	2.07	2.07			1	
	pH (minimum)	6.5				1	
	pH (maximum)	6.5				1	

Form 2F Table C

EPA Identification number	NPDES Permit Number	Facility Name
ALR000007948	AL0065137	Hexcel Corporation

Outfall Number		Maximum Daily Discharge		Average Daily Discharge		Number of Storm events sampled	Source of Information
		Grab sample 1st 30 minutes	Flow weighted composite	Grab sample 1st 30 minutes	Flow weighted composite		
DSN003	Pollutant and CAS #	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)		
	Nitrate-Nitrite	0.779	<0.100			1	
	Total Nitrogen	1.32	1.26			1	
	Sulfate	5.93	4.43			1	
	Molybdenum	<.001	<.001			1	
	Acrylonitrile	<.001	0.00016			1	
	Cyanide, total	<.005	<.005			1	

Outfall Number		Maximum Daily Discharge		Average Daily Discharge		Number of Storm events sampled	Source of Information
		Grab sample 1st 30 minutes	Flow weighted composite	Grab sample 1st 30 minutes	Flow weighted composite		
DSN005	Pollutant and CAS #	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)		
	Nitrate-Nitrite	3.18	3.12			1	
	Total Nitrogen	<5.00	<5.00			1	
	Sulfate	5.10	<5.00			1	
	Molybdenum	<0.00250	<0.00250			1	
	Acrylonitrile	0.00131	0.00083			1	
	Cyanide, total	0.0110	0.00640			1	

Outfall Number		Maximum Daily Discharge		Average Daily Discharge		Number of Storm events sampled	Source of Information
		Grab sample 1st 30 minutes	Flow weighted composite	Grab sample 1st 30 minutes	Flow weighted composite		
DSN006	Pollutant and CAS #	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)		
	Nitrate-Nitrite	3.34	3.27			1	
	Total Nitrogen	<5.00	<5.00			1	
	Sulfate	7.00	5.80			1	
	Molybdenum	<0.00250	<0.00250			1	
	Acrylonitrile	<0.00100	0.00084			1	
	Cyanide, total	<0.00500	<0.00500			1	

Form 2F Table C

EPA Identification number	NPDES Permit Number	Facility Name
ALR000007948	AL0065137	Hexcel Corporation

Outfall Number		Maximum Daily Discharge		Average Daily Discharge		Number of Storm events sampled	Source of Information
		Grab sample 1st 30 minutes	Flow weighted composite	Grab sample 1st 30 minutes	Flow weighted composite		
DSN007	Pollutant and CAS #	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)		
	Nitrate-Nitrite	1.47	**TBD**			1	
	Total Nitrogen	1.47	**TBD**			1	
	Sulfate	**TBD**	**TBD**			0	
	Molybdenum	**TBD**	**TBD**			0	
	Acrylonitrile	<0.01	**TBD**			1	
	Cyanide, total	**TBD**	**TBD**			0	

Outfall Number		Maximum Daily Discharge		Average Daily Discharge		Number of Storm events sampled	Source of Information
		Grab sample 1st 30 minutes	Flow weighted composite	Grab sample 1st 30 minutes	Flow weighted composite		
DSN017	Pollutant and CAS #	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)		
	Nitrate-Nitrite	<2.50	<2.50			1	
	Total Nitrogen	<5.00	<5.00			1	
	Sulfate	42.1	41.7			1	
	Molybdenum	0.00301	0.00306			1	
	Acrylonitrile	0.0002	0.00022			1	
	Cyanide, total	<0.00500	<0.00500			1	

Outfall Number		Maximum Daily Discharge		Average Daily Discharge		Number of Storm events sampled	Source of Information
		Grab sample 1st 30 minutes	Flow weighted composite	Grab sample 1st 30 minutes	Flow weighted composite		
DSN018	Pollutant and CAS #	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)		
	Nitrate-Nitrite	0.506	<2.5			1	
	Total Nitrogen	1.08	<3.10			1	
	Sulfate	1.7	5.99			1	
	Molybdenum	<0.001	<.001			1	
	Acrylonitrile	<.001	0.00009			1	
	Cyanide, total	<0.005	<.005			1	

Form 2F Table C

EPA Identification number	NPDES Permit Number	Facility Name
ALR000007948	AL0065137	Hexcel Corporation

Outfall Number		Maximum Daily Discharge		Average Daily Discharge		Number of Storm events sampled	Source of Information
		Grab sample 1st 30 minutes	Flow weighted composite	Grab sample 1st 30 minutes	Flow weighted composite		
DSN019	Pollutant and CAS #	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)	conc. (mg/L)		
	Nitrate-Nitrite	0.726	0.83			1	
	Total Nitrogen	2.07	2.07			1	
	Sulfate	13.1	14.6			1	
	Molybdenum	<0.001	<0.001			1	
	Acrylonitrile	0.0004	0.00026			1	
	Cyanide, total	<0.005	<0.005			1	

EPA Identification number	NPDES Permit Number	Facility Name
ALR000007948	AL0065137	Hexcel Corporation

2F-Table D

TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Outfall Number	Date of Storm Event	Duration of Storm Event (hours)	Total Rainfall During Storm event (inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measureable Rain Event	Maximum Flow Rate During Rain Event (gpm)	Total Flow from Rain event (gallons)	Method of Flow estimate
DSN003	10/25/2022	1	0.36	210	24.2	1,162	Raitionale Method - area, runoff coefficient and rainfall
DSN005	11/29/2022	2	1.37	64	666.7	48,047	Raitionale Method - area, runoff coefficient and rainfall
DSN006	11/29/2022	2	1.37	64	1355.8	97,698	Raitionale Method - area, runoff coefficient and rainfall
DSN007	2/21/2022	1	2	97	2516.1	216,386	Raitionale Method - area, runoff coefficient and rainfall
DSN017	11/29/2022	2	1.37	64	26110.1	1,881,544	Raitionale Method - area, runoff coefficient and rainfall
DSN018	10/25/2022	1	0.36	210	98.2	4,713	Raitionale Method - area, runoff coefficient and rainfall
DSN019	10/25/2022	1	0.36	210	63.4	3,041	Raitionale Method - area, runoff coefficient and rainfall

December 29th, 2022

Mr. Theo Pinson
Permits and Services Division
Alabama Department of Environmental Management
PO Box 301463
Montgomery, AL 36130-1463

Re: NPDES permit renewal application:
Hexcel Corporation – NPDES Permit No. AL0065137
3300 Mallard Fox Drive
Decatur, AL 35601

Mr. Pinson,

Per your request, this correspondences provides further clarification for our permit renewal.

Form 2E describes the potential to have fire water discharge through outfall 017S. The fire deluge system utilizes city water and has the potential to overflow the capture tank and flow to the Outfall 017 stormwater retention pond. The system is tested once every 5 years; therefore, routine discharges from the fire deluge system overflow are not anticipated. Under normal operating conditions, the discharges associated with Outfall 017 are stormwater only. Temperature and chlorine are not expected to be pollutants of concern based on the holding time provided by the retention pond.

The site has a total of twelve storm water outfalls. As shown on the site map (permit attachment: 187 C-2; 187-E; 2F-3) many of these outfalls are close together, with similar conditions, including storage tanks and storm water flow paths. In the past ADEM has deemed outfalls 003S, 005S, 006S, 007S, 017S, 018S, and 019S to be representative of storm water discharges from the facility; therefor storm water monitoring was not imposed on 011S, 012S, 015S, 016S. Hexcel stipulates that these outfalls are still representative of the flow from the facility, and requests the continuance of those monitoring conditions.

If you have any questions or need additional information, please contact me at 256-340-4095.

Respectfully,

Matthew Jenkins
Senior EHS Engineer
Hexcel Corporation – Decatur, AL