AI: 85139

Rec'd via email:03/10/2025

MAJOR MODIFICATION FORM
FOR INDUSTRIAL STORMWATER GENERAL PERMIT

Coverage No. MSR00 2515 **County** Tishomingo

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

INSTRUCTIONS

Coverage recipients shall notify the Mississippi Department of Environmental Quality at least 30 days in advance of the following activities (check all that apply). This form should be submitted with a modified Storm Water Pollution Prevention Plan (SWPPP), updated USGS topographic map, Corps of Engineers Section 404 documentation and wastewater collection and treatment information, as appropriate.

- ☐ **Facility operations are proposed to change.**
- ■ **"Footprint" identified in the original ISNOI is proposed to be enlarged.**
- ☐ **Stormwater Quality BMPs are proposed to be modified.**

This form must be signed by the current coverage recipient under Mississippi's Industrial Stormwater General Permit, an attached SWPPP must be included, and documentation of the changes compared to the previous approved SWPPP are attached.

Coverage recipients are authorized to discharge storm water associated with proposed new operations, additional areas of activity, or modified BMPs, under the conditions of the General Permit, only upon receipt of written notification of approval by MDEQ. All other modifications must be in accordance with ACT9, S-1 (6) and S-2 (7) of the General Permit.

ALL INFORMATION MUST BE COMPLETED (indicate "N/A" where not applicable)

COVERAGE RECIPIENT INFORMATION

COVERAGE RECIPIENT CONTACT NAME: John Kain TEL # (662) 423-7743

COMPANY NAME: Northrop Grumman

STREET OR P.O. BOX: 751 County Road 989, Building 1016

CITY: luka STATE: MS ZIP: 38852 E-MAIL: john.kain@ngc.com

PROJECT INFORMATION

PROJECT NAME: Northrop Grumman, MSR002515

CITY: luka

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 gathered and evaluated 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.

John R Kain — Signature (must be signed by coverage recipient)

03/14/2025 — Date

John Kain — Printed Name

Director Site 1 — Title

O.C

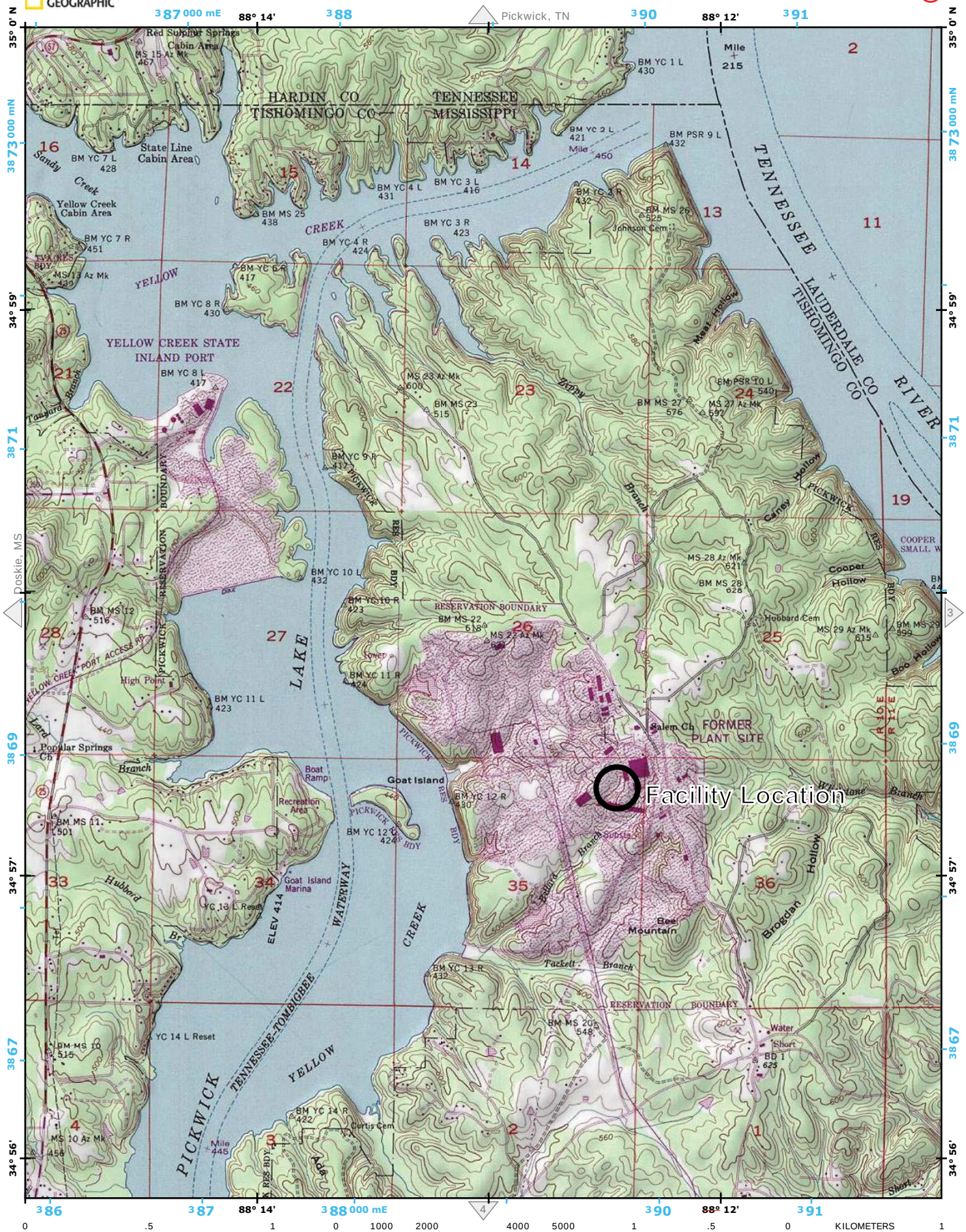
Please submit this form to:

Chief, Environmental Permits Division
MS Department of Environmental Quality, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225

NATIONAL GEOGRAPHIC

Yellow Creek, MS

USGS 7.5' Map Series



Storm Water Pollution Prevention Plan (SWPPP)

Northrop Grumman
Tri-State Commerce Park
751 County Road 989 Building 1016
Iuka, MS 38852

Under Mississippi's
Baseline Storm Water General NPDES Permit
Coverage No. MSR002515

March 2025

Prepared by:
Southern Environmental Engineering Inc
1222 Helton Drive
Florence, AL 35630
(256) 284-2043

P.O. BOX 3241
FLORENCE, AL 35630
256.284.2043
SEE-ENV.COM

SWPPP - TABLE OF CONTENTS

1.0 CERTIFICATIONS

1.1 Management Certification

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
NORTHROP GRUMMAN
IUKA, MISSISSIPPI

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 gathered and evaluated 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.

Signed: _____

Title: Site Director

Date: 03/14/2025

1.2 Revision Log

STORM WATER POLLUTION PREVENTION PLAN
NORTHROP GRUMMAN
IUKA, MISSISSIPPI

PUBLICATION HISTORY

Revision No.	Date of Revision
Revision No. 1	January 20, 2025
Revision No. 2	March 10, 2025

2.0 GENERAL INFORMATION

2.1 Facility Description

The Northrop Grumman Iuka facility primarily utilizes composite materials for the production of aeronautics and defense systems. The facility is located on approximately 40 acres of land. General facility data is provided below.

NAME:	Northrop Grumman
SITE ADDRESS:	751 County Road 989 Building 1016 Iuka, Mississippi 38852
MAILING ADDRESS:	751 County Road 989 Iuka, Mississippi 38852
TELEPHONE:	(662) 423-7700
GPS Coordinates:	34° 57’ 17” N 88° 12’ 21” W
ACTIVITY:	Guided Missile Space Vehicle Parts and Auxiliary Equipment, Not Elsewhere Classified
SIC CODE:	3769
OPERATING SCHEDULE:	Monday-Thursday 7:00am – 5:30pm 7:00pm – 5:30am Friday-Sunday 6:00am – 6:00pm
COVERAGE NUMBER:	MSR002515
CORPORATE OWNERSHIP:	Northrop Grumman Corporation 2980 Fairview Park Drive Falls Church, VA 22042 (703) 280-2900
RECEIVING WATERS:	Bullard Branch
TOPOGRAPHIC MAP QUADRANGLE:	Yellow Creek, MS

2.2 Contacts

POLLUTION PREVENTION COMMITTEE MANAGER

Name: Greg Robinson

Title: EHS Engineer

Plant Phone: (662) 423-7700

Mobile Phone: (662) 802-9371

ALTERNATE POLLUTION PREVENTION COMMITTEE MANAGER

Name: John Kain

Title: Director Site 1

Work Phone: (662) 423-7743

POLLUTION PREVENTION COMMITTEE

Member	Position	Contact Number
Greg Robinson	EHS Engineer	(662) 802 – 9371
John Kain	Director Site 1	(662) 423 – 7743

3.0 PURPOSE AND SCOPE

This Storm Water Pollution Prevention Plan (SWPPP) has been prepared for the Northrop Grumman Iuka facility in accordance with provisions set forth in the Mississippi Department of Environmental Quality Baseline Storm Water General NPDES Permit.

The plan sets forth procedures and practices intended to prevent, contain, and mitigate discharges of pollutants to the waters of the United States, and was prepared as a condition of and in compliance with the facility's Baseline NPDES Permit. The information and activities detailed in the Plan have been developed to accomplish the following:

The Plan shall identify all activities and significant materials which may potentially pollute storm water discharges, including:

- A list of industrial activities exposed to storm water (e.g., storage; equipment fueling; maintenance and cleaning; loading/unloading; process areas, etc.).
- A list of the materials and pollutants associated with each of the activities identified above (e.g., used oil, zinc, sulfuric acid, solvents, etc.).
- A narrative description of the materials and pollutants identified above. The narrative shall include, but not be limited to:
  - Method of storage or disposal,
  - Management practices employed to minimize contact of these materials with storm water,
  - Existing structural and non-structural control measures to reduce pollutants in storm water runoff, and
  - Any treatment the storm water receives. [11 Miss. Admin. Code Pt. 6, Ch. 1.]
- A list of spills and leaks of toxic or hazardous pollutants.
- An updated summary of all storm water sampling data (if available), including a description of associated pollutants of concern (see Definitions).

- A detailed scaled site map.

The Plan describes appropriate storm water management controls addressing identified potential pollution sources and implements such controls. The description shall include a schedule for implementing the following minimum components:

- Pollution Prevention Manager/Committee
- Risk Identification and Assessment
- Sediment and Erosion Prevention
- Preventive Maintenance
- Good Housekeeping
  - Designate areas for equipment maintenance and repair,
  - Provide waste receptacles at convenient locations (outdoor waste receptacles must be covered),
  - Provide regular collection of waste,
  - Provide protected storage areas for chemicals, paints, solvents, fertilizers, and other potentially toxic materials,
  - Provide adequately maintained sanitary facilities,
  - Provide secondary containment around any on-site single fuel or chemical container with a capacity greater than 660 gallons or any combination of containers which has an above ground bulk storage capacity of more than 1,320 gallons, and
  - Provide secondary containment for raw material stockpiles (if required to prevent material from entering waters of the State).
- Spill Prevention and Response Procedures
- Employee Training
- Illicit Connections
- Routine Visual Site Inspections

4.0 ORGANIZATION

4.1 Pollution Prevention Team

The pollution prevention team members are listed on the contacts page, Section 2.2.

4.2 Team Responsibilities

Manager:

The **Pollution Prevention Committee Manager** is directly responsible for the implementation of the Storm Water Pollution Prevention Plan. Specific responsibilities include:

- Developing, implementation, maintenance, and revision of the Plan
- Conducting the annual compliance review
- Oversight of the employee training program
- Contact with regulatory authorities
- Review and supervision of team activities
- Maintaining all records
- Review of storm water analysis results
- Submittal of reports

Team Members:

(2) The **Team Members** responsibilities include:

- Participate in developing and revision of the Plan
- Informing the pollution prevention team of changes in plant operations
- Supervise maintenance of storm water facilities and control structures
- Act as alternate storm water coordinator in storm water coordinators absence.

4.3 Consistency with Other Plans

The Northrop Grumman Iuka facility is subject to the Spill Prevention Control and Countermeasure Plan (SPCC) requirement under Title 40, Code of Federal Regulations, Part 112. The prepared SPCC Plan is consistent with this SWPPP.

5.0 FACILITY DATA

5.1 Site Map

A site map and a topographic map of the area surrounding the facility are included in Appendix A. The site map indicates the location of the following:

- drainage catchments for each storm water outfall
- direction of flow
- surface water bodies
- material loading and unloading areas
- areas used for treatment, storage, or disposal of waste exposed to precipitation
- storm drain inlet location
- exterior material storage
- industrial activity locations
- location of housekeeping activities
- storm water ditches and pipes

5.2 Facility Drainage

There are three (3) storm water discharge points from the site associated with the facility operation. The locations are identified as Outfalls #1, #2, and #3 of the Baseline Permit.

Outfall #1 is a drainage ditch located at the southern portion of the property. The outfall collects runoff from the southwestern portion of Building 1016 including dust collectors, hydraulic unit, trash roll offs, waste storage buildings, temporary equipment storage, and roof drains on the southern portion of Building 1016. The ditch drains to the southwest toward Bullard Branch.

Outfall #2 is a drainage ditch located on the southeast side of Building 1016. The outfall collects runoff from Buildings 1010, 1012, and 1016. Areas include temporary equipment storage areas, the dust collectors, air compressor, the autoclave area, temporary hazardous waste storage, and the roof drains associated with Building 1012 and the southern half of Building 1010. The ditch drains to the southwest toward Bullard Branch.

Outfall #3 is a drainage ditch located at the northwest portion of the property. The outfall collects runoff from the northern portions of Buildings 1010 and 1016 including loading/unloading from the storage warehouse, parking area, roll-off containers, bone yard, trash compactor, temporary equipment storage and roof drains on the northern portion of the two buildings. The ditch drains to the south toward Bullard Branch.

5.3 Material Inventory

The following are the significant materials used at the Northrop Grumman Iuka facility.

Raw Materials – Raw materials include various composite materials. All raw materials are received via trucks and are unloaded at the loading dock.

Maintenance Fluids – Maintenance fluids consist primarily of hydraulic oil and are kept primarily in 5-gallon buckets located within secondary containment.

Finished Products – Information regarding finished products was not disclosed due to the nature of the industry.

Waste Materials – Waste oil, paint related hazardous waste, and miscellaneous facility trash are the primary waste materials. Waste oil is stored in two (2) 275-gallon totes in the Waste Storage Area. Hazardous waste is stored inside of two buildings located at the northeast and southwest portions of the facility property. Additional temporary storage of hazardous waste is located at the southeast corner of Building 1010. Scrap materials consisting primarily of metal, plastic, and facility trash are placed into roll-off containers located near Stores, the Waste Storage Area, the Autoclave Area, and Building 1010.

5.4 Significant Spills and Leaks

The Northrop Grumman Iuka facility has not experienced any significant spills or leaks in the last three years.

5.5 Non-Storm water Discharges

The Northrop Grumman facility does not have any non-storm water discharges.

5.6 Source Summary

The potential sources of storm water pollution are listed below:

5.6.1 Outdoor Materials Storage

General facility trash and scrap materials are stored outdoors in roll-off containers located around the facility. Temporary storage areas for large parts and equipment are located on either side of Building 1010, near Stores, and near the southwest waste storage building.

5.6.2 Process Machinery

Facility process equipment with a potential to impact stormwater consists of twelve (12) pad mounted transformers, five (5) hydraulic units, three (3) air compressors, and six (6) dust collector areas. Transformers and dust collectors are located at various locations surrounding the facility. Air compressors are located near the main entrance of Building 1016, northeast side of Building 1010, and to the northwest of Area 1. Three (3) hydraulic units are located under cover at the autoclave area at the southern end of the facility. The other two (2) units are associated with trash compactors located northeast of Stores and just outside of the F35 area delivery door.

5.6.3 Waste Storage Areas

There are two (2) primary waste storage areas at the facility. They are located at the northern and southwestern portions of the facility property. The types of waste stored in these areas consist of waste oil, light bulbs, dust collector waste, and hazardous waste. A third temporary storage area for hazardous waste is located at the southeast corner of Building 1010.

5.7 Risk Evaluation

The risk of storm water contamination from the Northrop Grumman Iuka facility is low. Potential sources consist of outdoor materials storage, process machinery, and waste storage.

6.0 MEASURES AND CONTROLS

6.1 Spill Containment and Pollution Prevention

6.1.1 Outdoor Materials Storage

Scrap metal, various scrap materials, and trash are stored outdoors at various locations around the facility. There are temporary outdoor storage areas for large parts and equipment located on either side of Building 1010, near Stores, and near the southwest waste storage building.. All materials located outdoors are inspected to ensure they are free of any substances that would contribute to potential storm water contamination. The risk of storm water contamination is slightly higher due to some outdoor materials being exposed to storm water.

6.1.2 Process Machinery

Process machinery includes twelve (12) pad mounted transformers, five (5) hydraulic units, three (3) air compressors, and six (6) dust collectors. A mobile spill response unit is utilized at the facility to ensure potential spills have minimal impact on stormwater. All materials stored outdoors are inspected a minimum of once per month to identify any potential for stormwater pollution.

6.1.3 Waste Storage Areas

The primary waste storage areas are located within concrete buildings to the southwest and north of the facility. The waste stored in these areas consists of used oil, light bulbs, dust collector waste, and various hazardous waste. There is a temporary hazardous waste storage location at the southeast corner of Building 1010 which consists of a locked cage with an awning and secondary containment. All waste storage locations are constructed with adequate secondary containment capable of holding 110% of the contents of the largest container. Hazardous waste storage locations are inspected weekly as required. All other waste storage locations are inspected at a minimum of once per month to identify any leaks or spills.

6.2 Transfer operations and loading/unloading procedures

Northrop Grumman employees observe all transfers from delivery vehicles to the facility.

Absorbent materials are maintained at various locations throughout the facility. Materials are housed in clearly labeled yellow spill kits. Absorbents will be used as necessary to absorb spilled maintenance fluids, including those that could contaminate storm water. These absorbents and the wastes which they absorb are disposed of in accordance with

good management practices and applicable local, state, and federal regulations.

6.3 Preventative Maintenance

The Northrop Grumman Iuka facility will utilize preventive maintenance through inspections, maintenance and testing to reduce the risk of a release. Equipment such as dust collectors, air compressors and transformers will be checked regularly for signs of deterioration. The inspection checklist in Appendix B provides a form for potential pollutant source inspections.

6.4 Good Housekeeping

Good housekeeping practices are designed to maintain a clean and orderly work environment. Often the most effective first step towards preventing pollution in storm water from industrial sites involves merely improving the facility's basic housekeeping methods. The following are some simple procedures that the facility can consider incorporating into an effective good housekeeping program:

- Maintaining dry, clean floors and ground surfaces.
- Regularly disposing of garbage and waste materials.
- Providing adequate aisle space for material transfer and inspection.
- Storing containers and bags away from direct traffic routes.
- Storing containers to prevent corrosion by contact with moisture.
- Assigning responsibility for hazardous material to trained people.
- Instituting a shelf-life program to reduce material waste.
- Discussing good housekeeping at employee meetings/training sessions.
- Publicizing pollution prevention concepts through posters.
- Updating bulletin boards with good housekeeping procedures.

A clean and orderly work area is maintained at the Northrop Grumman Iuka facility to reduce the possibility of accidental spills caused by mishandling of equipment and to minimize safety hazards to all personnel. Housekeeping practices will include neat and orderly storage of products, prompt clean-up of small volume spillage, and regular waste pick-up and disposal.

6.5 Spill Prevention and Response Procedures

With this SWPPP, the Northrop Grumman Iuka facility has developed a spill prevention and response program consistent with the facility SPCC Plan in which facility personnel

will be instructed by management in the operation and maintenance of spill prevention equipment and pollution control laws and regulations. The Pollution Prevention Committee Manager is responsible for implementation of this SWPPP and is, therefore, the facility's Primary Emergency Coordinator.

Any personnel discovering an actual or potential emergency situation should immediately notify the Pollution Prevention Committee Manager. This initial notification should include:

- Person(s) responsible for spill response.
- Safety measures.
- Procedure for notifying authorities (police, fire, hospital, city sewer treatment plant).
- Spill containment, diversion, isolation, cleanup.
- Safety equipment such as respirators, eye guards, protective clothing, fire extinguisher, and two-way radios.
- Cleanup equipment such as booms, absorbents, and container, etc.

If the situation requires assistance from outside agencies, the Pollution Prevention Committee Manager will notify the appropriate agency. If the Pollution Prevention Committee Manager determines that the facility is experiencing a release, fire, or explosion that could threaten human health or the environment outside the facility, he must immediately notify MDEQ. His report must include the following:

- Name and telephone number of reporter.
- Name and address of facility.
- Time and type of incident.
- Name and quantity of material(s) involved, to the extent known.
- The extent of injuries, if any; and,
- The possible hazards to human health and the environment outside the facility.

If it appears that the spilled material will reach or has already entered any surface water body, the Pollution Prevention Committee Manager will also notify USEPA Region IV using their 24-hour emergency number.

In accordance with Section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and 40 CFR 302.6, any spill or release to

the environment in excess of the reportable quantity (RQ) during a 24-hour period must be immediately reported to the appropriate agencies. Spills of materials that have a RQ must be reported to the National Response Center (NRC) in Washington, D.C., the State Emergency Response Commission (SERC), and the Local Emergency Planning Committee (LEPC). Spills of oil or RQs of hazardous materials that will reach surface waters must also be reported to USEPA Region IV. Phone numbers for the reporting of a spill to the NRC, EPA, and ADEM are listed in Section 4.0, Summary Information and Emergency Contacts.

6.6 Sediment / Erosion Control

In general, the site is stabilized with grass, gravel, concrete and asphalt. The site is slightly sloped to the southwest. With the grass, gravel, concrete and asphalt, the site is not subject to significant erosion. The drainage ditches will be inspected as part of the SWPPP inspections. If construction is planned that will disturb more than 5 acres, then the facility will submit to the Office of Pollution Control (OPC) a Large Construction Notice of Intent (LCNOI) along with the SWPPP and the USGS Quad Map for coverage under the State's Large Construction Storm Water General Permit. If smaller construction activities are planned that will disturb an area between 1 and less than 5 acres, then the facility must complete a Small Construction Notice of Intent (SCNOI) and keep the form on the project site with a copy of the SWPPP. No submittal to MDEQ is required to comply with the requirements of the State's Small Construction Storm Water General Permit unless specifically requested. Erosion control such as seeding and mulching, silt fencing, or check dams will be employed as appropriate.

7.0 SOLVENT MANAGEMENT PLAN

The Northrop Grumman facility maintains small amounts of Frekote 44-NC (1-Gallon Cans), Frekote PMC (1-Gallon Cans), IPA (5-Gallon Buckets), Acetone (5-Gallon buckets) and various other solvents depending on projects underway at the facility. The solvents are housed primarily inside chemical storage cabinets located inside a locked building at the southwest portion of the property. The building is equipped with concrete curbing to contain any spill of solvents; therefore, solvents pose little to no threat to stormwater quality. Good housekeeping procedures are exercised during storage and transportation of solvents. Additionally, chemical spill kits are located throughout the facility to ensure that any spill of solvent is quickly contained and removed.

8.0 MONITORING

8.1 General Monitoring Requirements

The Northrop Grumman Iuka facility is required to perform the following storm water monitoring activities at its outfalls:

- Visual inspection of Outfalls #1, #2, and #3 during monthly inspections when feasible

8.2 Monitoring Points

Three (3) points are used for storm water monitoring. The outfalls are designated and described as follows:

Outfall #1 Drainage ditch located in the southwestern portion of the property. The outfall collects runoff from the western half of Building 1016 including the dust collectors, the trash compactor, roll-off containers, waste storage buildings, temporary equipment storage, and the southwestern roof drains of Building 1016. The pipe drains to the southwest toward Bullard Branch.

Outfall #2 Drainage ditch located at the southeast corner of the property. The outfall collects runoff from Buildings 1010, 1012, and 1016. Areas include temporary equipment storage areas, dust collectors, air compressor, the autoclave area, temporary hazardous waste storage, and the roof drains associated with Building 1012 and the southern half of Building 1010. The ditch drains to the southwest toward Bullard Branch.

Outfall #3 Outfall #3 is a drainage ditch located at the northwest portion of the property. The outfall collects runoff from the northern portions of Buildings 1010 and 1016 including loading/unloading from the storage warehouse, parking area, roll-off containers, bone yard, trash compactor, temporary equipment storage and roof drains on the northern portion of the two buildings. The ditch drains to the south toward Bullard Branch.

8.3 The Representative Storm Event

According to the Mississippi Department of Environmental Quality, when it is feasible, inspections should be performed during or after a storm event. No specific regulations are placed on the magnitude or intensity of the storm event needed to do an inspection or jar test.

8.4 Analytical Monitoring

Analytical monitoring is not required for the Northrop Grumman Iuka facility.

8.5 Reporting

The Northrop Grumman Iuka facility is not required to submit reports during monitoring periods. Northrop Grumman is required to keep all inspection documents for a period of three years with a copy of this Plan.

8.6 Monitoring Regimen

8.6.1 Monitoring Supplies

For monitoring events, clean, clear sampling containers will be utilized.

8.6.2 Collection and Inspection

(1) The grab sample will be collected during or following a storm event in a clean, clear jar for inspection.

(2) Each time a sample is collected, record on the Monthly Visual Jar Test Inspection form for each point the following:

- The place, date, and time of sampling
- The person(s) collecting samples and performing inspection.
- The color of sample
- The clarity of sample
- Presence of solids (floating, settled or suspended)
- Presence of foam
- Presence of odor

8.7 Records Retention

All records and information from monitoring activities, including all records of inspections performed and calibration/maintenance of instrumentation shall be retained for a minimum of three (3) years. All records should be kept onsite with this Plan.

9.0 TRAINING

9.1 Frequency of Training

- Facility employees shall be trained in preventative measures not less than once per year. Training sessions will be documented in Appendix C.
- Outside contractors shall be informed of pollution prevention practices during safety training and prior to the start of work on site projects.

9.2 Spill Prevention and Response

All facility employees shall receive training in the following areas:

- Identifying potential spill areas and drainage routes, including information on past spills and causes.
- Reporting spills to appropriate individuals.
- Specifying material handling procedures and storage requirements.
- Implementing spill response procedures.

9.3 Good Housekeeping

Management shall keep employees readily informed of preventative measures by:

- Identifying places where spill response equipment is located.
- Discussing updated procedures and reporting on the progress of good housekeeping practices.
- Detailing a regular schedule for housekeeping activities.

9.4 Materials Management

Employees shall be informed through training sessions and provision of written guidelines about the following items:

- Organization of materials in storage.
- Presence of all toxic and/or hazardous substances on site.
- Handling of toxic and hazardous materials.

10.0 EVALUATION

10.1 Inspections

10.1.1 Monthly Inspections

A thorough facility site inspection shall be conducted a minimum of once per month and recorded on the Monthly Inspection/Visual Evaluation Form. Inspections of the facility shall be conducted to ensure that pollution prevention measures and controls are being implemented as outlined in Section 6:

(1) Areas identified as potential sources of storm water pollution.

- Outdoor Material Storage
- Process Machinery
- Waste Storage Areas

(2) The storm water outfalls and the contributing drainage catchment area for evidence of pollutants.

(3) Surface area within the catchment for deterioration and/or erosion.

(4) Overall conformity of the facility with drainage maps and site plans.

10.1.2 Annual Comprehensive Site Inspections

All areas contributing to storm water discharges associated with industrial activity must be inspected as often as needed but no less than once annually. The inspections will be performed to verify the description of potential pollutant sources and the implementation of management controls. Each annual inspection should be recorded on the Annual Comprehensive Site Inspection and SWPPP Evaluation Form.

The Inspector should:

- Determine if all storm water pollution prevention measures are accurately identified in the Plan in place, maintained and working properly.
- Determine if additional or alternative control measures are required.
- Document findings.
- Complete needed SWPPP modifications.

10.2 Documentation

10.2.1 General

(1) All Plan documents shall be maintained at the facility.

(2) Annual records shall be retained onsite and maintained in the same general area as the plan for a period of no less than three years.

(3) The Storm water Coordinator shall maintain all records and reports.

10.2.2 Spills, Leaks, and Discharges

(1) Spills and leaks shall be recorded on the Monthly Spill & Leak Log Sheet and be retained onsite and maintained in the same general area with the plan for a period of no less than three years.

(2) Information regarding quantity and quality of storm water discharges shall be recorded.

(3) Records of spill incidents shall include:

- date and time of occurrence
- material spilled
- quantity spilled
- area that spills occurred
- if spill resulted in a discharge
- if spill caused injury or property damage
- person(s) involved in clean up
- date reported to MDEQ (if significant)

10.2.3 Inspection and Maintenance Data

(1) Records and/or reports of all inspections shall be retained onsite and maintained in the same general area as the plan for a period of no less than three years.

10.3 Plan Revision

10.3.1 Facility Modifications

The SWPPP shall be revised if facility modifications impact content of discharges or Plan effectiveness. Plan revision may be required by modification of:

- facility design
- construction / expansion
- operations
- maintenance procedures
- process
- production

10.3.2 Permitting Authority

The Plan shall be revised as directed by the Mississippi Department of Environmental Quality.

10.3.3 Inspection and Review

(1) Correction of deficiencies noted during facility inspection and maintenance shall be included in Plan modifications

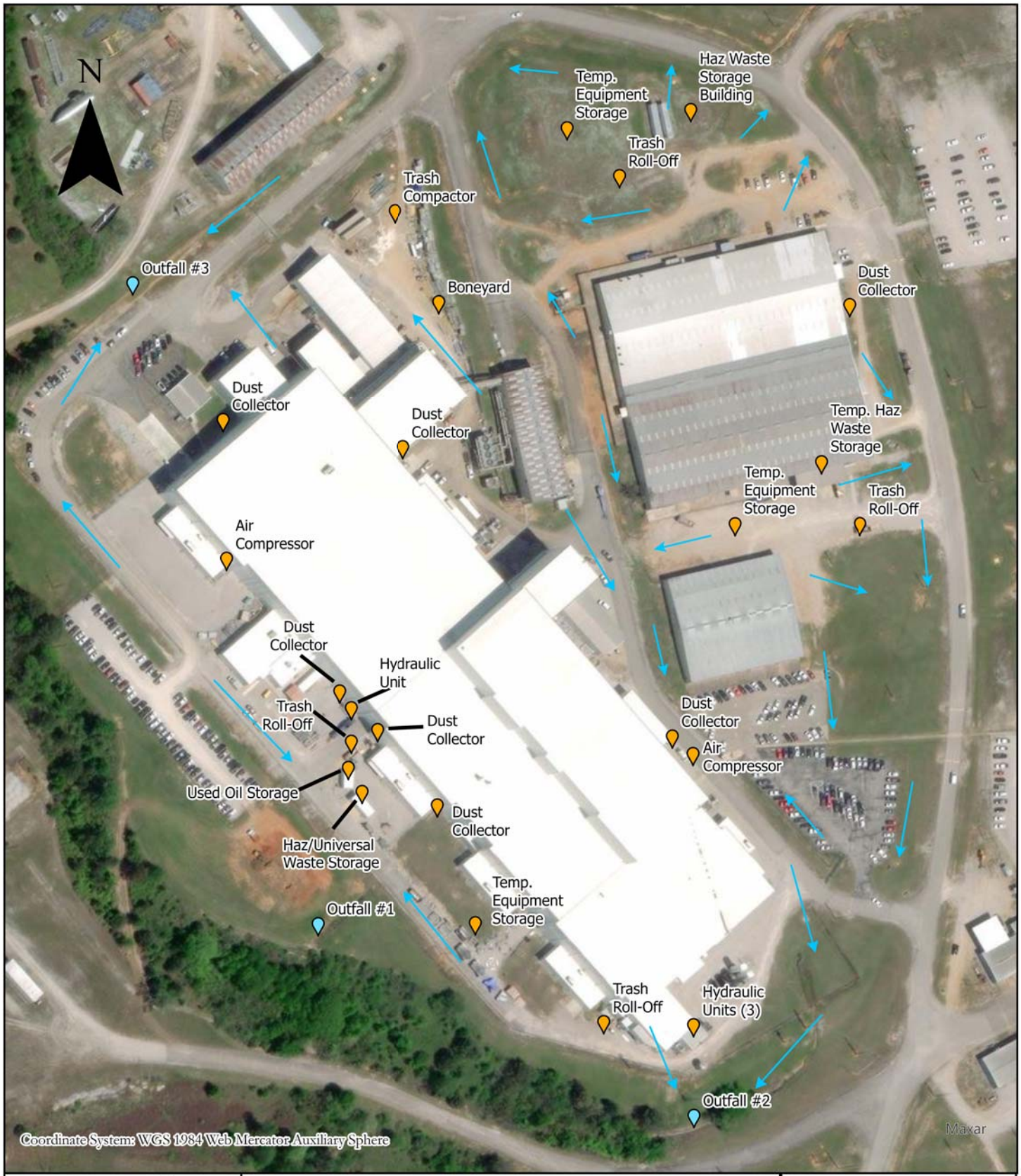
(2) The Plan shall be modified as a result of compliance review in order to increase effectiveness of controls.

10.3.4 Notice of Revision

The Plan shall be amended by the coverage recipient whenever there is a change in design, construction, operation, or maintenance, which may increase the discharge of pollutants to State waters or the SWPPP proves to be ineffective in controlling storm water pollutants and shall submit a copy of the Plan to MDEQ within 30 days of amendment.

APPENDIX A

Site Map



Legend

- Potential Pollution Source
- Outfall
- Flow Direction

Northrop Grumman - SWPPP
March 2025

0 405 810 Feet

SEE ENVIRONMENTAL
Southern Environmental Engineering

APPENDIX B

Inspection Checklist

BASELINE STORM WATER GENERAL PERMIT
COVERAGE NUMBER (MSR__ __ __ __ __ __)
MONTHLY INSPECTION / VISUAL EVALUATION REPORT
(FOR INDUSTRIAL STORM WATER ACTIVITY)

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

As required by ACT8 of this permit, this inspection / visual evaluation form must be completed on a monthly basis. Completion of this form must be performed by an individual with the knowledge, skills, and training to assess conditions and activities that could impact storm water quality and to evaluate the effectives of best management practices required by this permit. A copy of the completed and signed form shall be maintained on-site with the SWPPP and be available for review by MDEQ personnel upon request.

FACILITY NAME:	**DATE:**
PHYSICAL ADDRESS:	

WEATHER INFORMATION:

- Description of Weather Conditions (e.g., sunny, cloudy, raining, snowing, etc.):

  _____

  _____

- Was the inspection conducted during or immediately after a rain event? ☐ **Yes** ☐ **No** ☐ If yes, conduct a Jar Test at each storm water outfall and attach the results to this form.

I. POTENTIAL POLLUTANT SOURCE, AREA INSPECTION AND BEST MANAGEMENT PRACTICES EVALUATION

SWPPP AND SITE MAP:	**Yes**	**No**	**N/A**	**Findings & Remedial Action Documentation**
• Is the Site Map current and accurate?	○	○	○	
• Is the SWPPP inventory of industrial activities, materials and products current?	○	○	○	
VEHICLE/EQUIPMENT AREAS:				
Equipment cleaning:				
• Is equipment washed and / or cleaned using a detergent(s)?	○	○	○	
• If so, is all wash water captured and properly disposed of?	○	○	○	
Equipment fueling:				
• Are all fueling areas free of contaminant buildup and evidence of chronic leaks/spills?	○	○	○	
• Are all chemical liquids, fluids, and petroleum products, stored on an impervious surface that is surrounded with a containment berm or dike that is capable of containing 10% of the total enclosed tank volume or 110% of the volume contained in the largest tank, whichever is greater?	○	○	○	
• Are structures in place to prevent precipitation from accumulating in containment areas?	○	○	○	
• If not, is there any water or other fluids accumulated within the containment area?	○	○	○	

	Yes	No	N/A	Findings & Remedial Action Documentation
Equipment maintenance:				
• Are maintenance tools, equipment and materials stored under shelter, elevated and covered?	○	○	○	
• Are all drums and containers of fluids stored with proper cover and containment?	○	○	○	
• Are exteriors of containers kept outside free of deposits?	○	○	○	
• Are any vehicles and/or equipment leaking fluids? Identify leaking equipment.	○	○	○	
• Is there evidence of leaks or spills since last inspection? Identify and address.	○	○	○	
• Are materials, equipment, and activities located so that leaks are contained in existing containment and diversion systems (confine the storage of leaky or leak-prone vehicles and equipment awaiting maintenance to protected areas)?	○	○	○	
Add any additional site-specific BMPs: _____ _____ _____ _____ _____	○	○	○	
GOOD HOUSEKEEPING BMPS:				
1. Are paved surfaces free of accumulated dust/sediment and debris?	○	○	○	
• Date of last vacuum/sweep _____				
• Are there areas of erosion or sediment/dust sources that discharge to storm drains?	○	○	○	
2. Are there any waste receptacles located outdoors? If yes:	○	○	○	
• In good condition?	○	○	○	
• Not leaking contaminants?	○	○	○	
• Closed when not being accessed?	○	○	○	
• External surfaces and area free of excessive contaminant buildup?	○	○	○	
3. Are the following areas free of accumulated dust/sediment, debris, contaminants, and/or spills/leaks of fluids?				
• External dock areas	○	○	○	
• Pallet, bin, and drum storage areas	○	○	○	
• Maintenance shop(s)	○	○	○	
• Equipment staging areas (loaders, tractors, trailers, forklifts, etc)	○	○	○	
• Around bag-house(s)	○	○	○	
• Around bone yards	○	○	○	
• Other areas of industrial activity: _____ _____ _____ _____ _____	○	○	○	

SPILL RESPONSE AND EQUIPMENT:	Yes	No	N/A	Findings & Remedial Action Documentation
1. Are spill kits available, in the following locations?				
• Fueling stations	○	○	○	
• Transfer and mobile fueling units	○	○	○	
• Vehicle and equipment maintenance areas	○	○	○	
• Process / product formulation areas	○	○	○	
2. Do the spill kits contain all the appropriate necessary items such as:				
• Oil absorbents?	○	○	○	
• A storm drain plug or cover kit?	○	○	○	
• A non-water containment boom?	○	○	○	
• A non-metallic shovel?	○	○	○	
• Other additional items:	○	○	○	
_____				
_____				
_____				
3. Are contaminated absorbent materials properly disposed?	○	○	○	
GENERAL MATERIAL STORAGE AREAS:				
• Are damaged materials stored inside a building or another type of storm-resistant shelter?	○	○	○	
• Are all uncontained material piles stored in a manner that minimizes the discharge of impacted storm water?	○	○	○	
• Are scrap metal bins covered?	○	○	○	
• Are outdoor containers covered?	○	○	○	
STORM WATER BMPS AND TREATMENT STRUCTURES: (Visually inspect all storm water BMPs, treatment structures / devices, discharge areas, infiltration, and outfalls shown on the Site Map).				
• Are BMPs and treatment structures in good repair and operational?	○	○	○	
• Are BMPs and treatment structures free from debris buildup that may impair function?	○	○	○	
• Are berms, curbing or other methods used to divert and direct discharges adequate and in good condition?	○	○	○	
OBSERVATION OF STORM WATER DISCHARGES:				
• Is the discharge free of floating materials, visible oil sheen, discoloration, turbidity, odor, foam or any other signs of contamination?	○	○	○	
• Water from washing vehicles or equipment (with detergent), steam cleaning and/or pressure washing is considered process wastewater and is not allowed to comingle with storm water or enter storm drains. Is process water comingling with storm water or entering storm drains?	○	○	○	
• Illicit discharges include domestic wastewater, noncontact cooling water, or process wastewater (including leachate). Were any illicit discharges observed during the inspection?	○	○	○	

MISCELLANEOUS AREAS / ITEMS OF CONCERN: (Evaluations of any matters that are not contained within another section but are covered in the SWPPP [i.e. industrial areas; housekeeping measures; unique BMPs; observations, etc.] should be denoted here.)	**Yes**	**No**	**N/A**	**Findings & Remedial Action Documentation**

II. CORRECTIVE ACTION AND SWPPP MODIFICATION DESCRIPTIONS: Additional space to describe inspection findings and corrective actions if needed. Provide brief explanation of the general location and the rationale for the additional or different BMPs.

III. CERTIFICATION STATEMENTS AND SIGNATURES:

Inspector - Certification: This section must be completed by the person who conducted the site inspection prior to submitting this form to the person with signature authority or a duly authorized representative of that person.

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief."

Inspector's Name – Printed	**Inspector's Signature**	**Inspector's Title**	**Date**

Monthly Visual Jar Test Inspection Form

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Instructions: As part of inspections conducted during or after storm events, a representative sample of storm water should be collected at each outfall in a clean, clear jar and examined in a well-lit area. Should any of the objectionable characteristics described in the form below be observed, coverage recipient shall investigate upstream from the sample location to identify the potential sources of pollution, implement corrective action, and describe the corrective action in the space provided below. [Baseline General Permit Act8 S-1]

Facility Name:	Physical Address:
Date:	Coverage Number:
Time collected:	Person collecting/examining sample (Print):
Outfall Number/Location sample was collected:	
Was the sample collected during or immediately after a rain event? **Yes or No**	

Parameter	Parameter Description	Description of Sample
Color	Is the water sample colored? **Yes or No**	If yes, describe the color:
Clarity	Is the water sample clear and transparent? **Yes or No**	If no, describe the clarity:
Floating Solids	Are there solids floating at the top of the sample? **Yes or No**	If yes, describe the floating solids:
Settled Solids	Are there solids settled out in the bottom of the sample? **Yes or No**	If yes, describe the settled solids:
Suspended Solids	Are there solids suspended in the water column of the sample? **Yes or No**	If yes, describe the suspended solids:
Foam	Is there foam forming at the top of the sample? **Yes or No**	If yes, describe the foam:
Odor	Does the sample have an odor? **Yes or No**	If yes, describe the odor:
Oil Sheens	Does the sample have an oil sheen? **Yes or No**	If yes, describe the oil sheen:

Detail any concerns noted in the visual jar sample and describe the corrective actions taken:

"I certify under penalty of law that this report is true, accurate, and complete, to the best of my knowledge and belief."

Inspector's Name - Printed	Inspector's Signature	Date

BASELINE STORM WATER GENERAL PERMIT
COVERAGE NUMBER (MSR__ __ __ __ __ __)
ANNUAL COMPREHENSIVE SWPPP EVALUATION FORM
(FOR INDUSTRIAL STORM WATER ACTIVITY)

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Coverage recipients shall conduct a comprehensive evaluation of the facility's SWPPP by December 31, 2016, and annually thereafter by December 31st of each year. The evaluation shall assess the effectiveness and accuracy of the SWPPP and ensure that the SWPPP is current, up to date, and meets all the requirements of ACT5 T-1 through T-9. Should the SWPPP need to be amended based on the findings of any evaluation, a copy of the amended SWPPP must be submitted to MDEQ in accordance with ACT7 S-1 (4).

FACILITY NAME:	EVALUATION DATE:
PHYSICAL ADDRESS:	

I. DESCRIPTION OF POTENTIAL POLLUTANT SOURCES

INDUSTRIAL ACTIVITIES	Yes	No	Findings & Remedial Action Documentation
• Does the SWPPP have a list of Industrial Activities exposed to storm water?	○	○	
• Has the facility added any Industrial Activities that are exposed to storm water since the previous Annual SWPPP Evaluation?	○	○	
MATERIALS AND POLLUTANTS			
• Does the SWPPP have a list of materials and pollutants exposed to storm water?	○	○	
• Does the SWPPP have a narrative description of the materials and pollultants?	○	○	
• If so, does the narrative contain the following information?			
o Method of storage and disposal.	○	○	
o Management practices employed to minimize contact with storm water.	○	○	
o Structural and non-structural control measures to reduce pollutants in storm runoff.	○	○	
o Any treatment the storm water receives.	○	○	
SPILLS AND LEAKS			
• Does the SWPPP contain a monthly updated list of spills and leaks?	○	○	
• Does the SWPPP contain an updated summary of all storm water samplaing data including a description of associated pollutants?	○	○	

I. DESCRIPTION OF POTENTIAL POLLUTANT SOURCES (CONTINUED)			
SITE MAP	**Yes**	**No**	**Findings & Remedial Action Documentation**
• Does the SWPPP have a site map showing the property layout with site boundaries?	○	○	
• If so, does the site map indicate the following features?			
o Surface water bodies.	○	○	
o Drainage area of each storm outfall by number.	○	○	
o Direction of flow for each drainage area.	○	○	
o Location and description of existing structural and non-structural control measures to reduce the pollutants in storm runoff.	○	○	
o Location of any storm water treatment activities.	○	○	
o Location of any storm drain inlets.	○	○	
o Location of industrial activities, such as:	○	○	
a) Fuel storage and dispensing locations. b) Vehicle/equipment repair, maintenance, and cleaning areas. c) Materials storage and handling areas. d) Loading/unloading areas. e) Process or manufacturing areas.			
o Location of housekeeping practices.	○	○	
o Storm water conveyances (ditches, pipes, & swales).	○	○	
II. DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS			
POLLUTION PREVENTION MANAGER/COMMITTEE			
• Does the SWPPP specify individual(s) responsible for developing the SWPPP and assisting the facility manager in its implementation, maintenance, and revision?	○	○	
• If so, have there been any changes in the personnel listed since the previous Annual SWPPP Evaluation?	○	○	
RISK IDENTIFICATION AND MATERIAL INVENTORY			
• Does the SWPPP assess the pollution potential of various sources at the facility including loading and unloading operations; outdoor storage, manufacturing or processing activities; significant dust or particulate generating processes and on-site disposal practices?	○	○	
• If so, have there been any changes in operations or sources of potential pollutants since the previous Annual SWPPP Evaluation.?	○	○	

II. DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS (CONTINUED)			
	Yes	No	Findings & Remedial Action Documentation
SEDIMENT AND EROSION PREVENTION			
• Does the SWPPP identify areas with a high potential for soil erosion, and specify prevention measures to limit erosion?	○	○	
• If so, have there been any changes to the facility which would increase the potential for soil erosion since the previous Annual SWPPP Evaluation?	○	○	
PREVENTIVE MAINTENANCE			
• Does the SWPPP contain a preventive maintenance program to insure the inspection and maintenance of storm water management devices?	○	○	
• If so, does the program specify protocol for inspecting and testing of equipment to preclude breakdowns or failures that may cause pollution?	○	○	
GOOD HOUSEKEEPING			
• Does the SWPPP describe and list practices appropriate to prevent pollutants from entering storm water from industrial activities due to poor housekeeping?	○	○	
• If so, do the practices describe or list the following:			
o Designated areas for equipment maintenance and repair.	○	○	
o Provisions for waste receptacles at convenient locations.	○	○	
o Provisions for regular collection of waste.	○	○	
o Adequately maintained sanitary facilities.	○	○	
o Secondary containment around any on-site fuel or chemical container with a capacity greater than 660 gallons or any combination of containers which have an aboveground storage capacity of more than 1,320 gallons.	○	○	
o Secondary containment for raw material stockpiles.	○	○	
SPILL PREVENTION AND RESPONSE PROCEDURES			
• Does the SWPPP identify potential spill areas and their drainage points?	○	○	
• Does the SWPPP specify material handling procedures and storage requirements?	○	○	
• Does the SWPPP have procedures for cleaning up spills?	○	○	
• Have there been any changes at the facility in potential spill areas and/or their drainage points since the previous Annual SWPPP Evaluation?	○	○	
EMPLOYEE TRAINING			
• Does the SWPPP specify periodic training for personnel that are responsible for implementing and/or complying with the requirements of the SWPPP? (see ACT12)	○	○	

II. DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS (CONTINUED)			
ILLICIT CONNECTIONS EVALUATION AND CERTIFICATION	**Yes**	**No**	**Findings & Remedial Action Documentation**
• Does the SWPPP contain an illicit connection certification?	○	○	
• If so, was the certification evaluation and certification completed within the last 5 years?	○	○	
• Does the certification include the following?: o Method of evaluation, date(s), observation point(s), and result(s).	○	○	
ROUTINE VISUAL SITE INSPECTIONS			
• Does the SWPPP describe the policy and procedures for routine visual inspections, including frequencies and areas to be inspected?	○	○	
• Does the SWPPP inspection policy describe procedures for collecting storm water if the inspection is conducted during or after a storm event?	○	○	
• If so, does the SWPPP inspection policy outline procedures consistent with the requirements of ACT8 S-1 to investigate, correct, and document instances in which visible pollutants are observed?	○	○	
STORM WATER MANAGEMENT			
• Does the SWPPP provide for the management of storm water volume through its diversion, infiltration, storage or re-use?	○	○	
III. NON-STORM WATER DISCHARGE MANAGEMENT			
NON-STORM WATER MANAGEMENT			
• Does the SWPPP identify any allowable non-storm water discharges identified in ACT2 T-3?	○	○	
• Does the SWPPP identify and ensure the implementation of appropriate Best Management Practices (BMPs) for the non-storm water component of any discharge?	○	○	
• Have there been any changes or additions to the allowable non-storm water discharges since the previous Annual SWPPP Evaluation?	○	○	
IV. FACILITY CHANGES			
SWPPP AMENDMENT			
• Has there been a change in design, construction, operation, or maintenance, which may increase the discharge of pollutants to waters of the State or has the SWPPP been ineffective in controlling storm water pollutants? **If so, amend the SWPPP and submit it to the MDEQ within 30 days of amendment. (ACT7 S-1 (4))**	○	○	

V. MONTHLY INSPECTION SUMMARY (Previous 12 months)						
DATE (mm/dd/yy)	TIME	ANY DEFICIENCIES? YES	NO	IF YES, WERE CORRECTIVE ACTIONS TAKEN? YES	NO	INSPECTOR(S)

SWPPP EVALUATION CERTIFICATION STATEMENT AND SIGNATURE:

SWPPP Evaluation and Certification: This section must be completed by the person who conducted the SWPPP evaluation prior to submitting this form to the person with signature authority or a duly authorized representative.

"I certify that this report is true, accurate, and complete to the best of my knowledge and belief."

Name-Printed	**Signature**	**Title**	**Date**

RO/DAR CERTIFICATION AND SIGNATURE

Permittee-Certification:

☐ The SWPPP is in compliance with the terms and conditions of the Baseline Industrial Storm Water General Permit.

☐ The SWPPP is out of compliance with the terms and conditions of the Baseline Industrial Storm Water General Permit. The SWPPP will be amended and submitted to MDEQ within 30 days of amendment.

"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 gathered and evaluated 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."

Printed Name of person with Signature Authority or a Duly Authorized Representative[1]	**Signature of person with Signature Authority or a Duly Authorized Representative[1]**	**Date**

[1]A person is a Duly Authorized Representative only if 1) the authorization is made in writing and submitted to the permit board by a person described in ACT 14 T-9 ["*Signatory Requirements*"], and 2) the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated activity, such as: manager, operator of a well or well field, superintendent, person of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company.

APPENDIX C

Monthly Spill Log

Facility Name _____

Monthly Spill & Leak Log Sheet

Month/Year _____

Physical Address _____

Coverage Number _____

Instructions: A list of spills and leaks of toxic or hazardous pollutants that have occurred at the facility shall be documented on the Monthly Spill and Leak Log Sheet that is provided in the Baseline Forms Package. A separate form shall be completed for each month that the facility is covered under this general permit. If no spills have occurred, the form shall be completed by checking the available box and signing it as indicated. Coverage recipients may use an alternate form to record this information, so long as it includes all of the information on the above referenced form and it is updated monthly. The completed forms shall be filed on-site with the SWPPP and made available to MDEQ personnel for inspection upon request. [Baseline General Permit ACT5 T-3 (4)]

Date of Spill	Material Spilled	Quantity Spilled (specify units)	Area that Spill Occurred	Did the Spill Result in a Discharge?	Injury / Property Damage?	Person(s) Involved In Clean-up	Date Reported to MDEQ (If significant)
Corrective Action(s) Taken							
Date of Spill	Material Spilled	Quantity Spilled (specify units)	Area that Spill Occurred	Did the Spill Result in a Discharge?	Injury / Property Damage?	Person(s) Involved In Clean-up	Date Reported to MDEQ (If significant)
Corrective Action(s) Taken							
Date of Spill	Material Spilled	Quantity Spilled (specify units)	Area that Spill Occurred	Did the Spill Result in a Discharge?	Injury / Property Damage?	Person(s) Involved In Clean-up	Date Reported to MDEQ (If significant)
Corrective Action(s) Taken							
☐ No spills have occurred this month.	*"I certify under penalty of law that this report is true, accurate, and complete, to the best of my knowledge and belief."*						
	Inspector's Name - Printed			Inspector's Signature			Date

APPENDIX D

Training Documentation Form

Employee Training Log

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Instructions: Newly hired employees responsible for implementing and/or complying with the requirements of the permit shall receive initial training prior to performing such responsibilities. Employees shall receive refresher training at a minimum of every twelve (12) months, thereafter. Proper documentation of employee training must be maintained. Include copies of the training agenda and certificates of training when applicable. All training records shall be maintained for at least three years from the date of training. [Baseline General Permit ACT12 S-1]

Facility Name:	Physical Address:
Coverage Number:	Training Date:
Training Topic:	
Training Description:	

Employee Name (printed)	Employee Signature	Worker ID Number	Initial/Refresher

"I certify under penalty of law that this report is true, accurate, and complete, to the best of my knowledge and belief."

Trainer Name (printed)	Trainer Signature	Date

APPENDIX E

Non-Storm Water Discharge Evaluation and Certification

NON-STORM WATER DISCHARGE EVALUATION AND CERTIFICATION

Outfall No.	Date of Evaluation	Method Used to Test or Evaluate Discharge	If Evaluation is Impossible Give Reason	Is Non-Storm Water Being Discharged? (Yes/No)	List Likely Sources of Non-Storm Water Discharges	Person(s) Who Conducted the Test or Evaluation
001	03/04/2025	Visual Inspection		No	NA	Andrew Thornton - SEE
002	03/04/2025	Visual Inspection		No	NA	Andrew Thornton - SEE
003	03/04/2025	Visual Inspection		No	NA	Andrew Thornton - SEE

CERTIFICATION

I certify under penalty of law that is, to the best of my knowledge and belief, true, accurate, and complete (see permit Part V.G.).

A. Name & Official Title (type or print) Greg Robinson, EHS Engineer	**B. Area Code and Telephone No.** (662) 802-9371
C. Signature	**D. Date Signed**