Tioga
ENVIRONMENTAL
CONSULTANTS

February 28, 2024

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

RE: Storm Wwater NOI
ABB Installation Products, Inc.
442 E. Stonewall Road
Byhalia, MS 38611

To Whom It May Concern,

On behalf on ABB Installation Products, Inc., please find enclosed a Notice of Intent (NOI) to request coverage under the Mississippi Industrial Storm Wwater General Permit. The outfall locations and sampling information is enclosed as well as a SWPPP Facility Site Map identifying the outfall locations and a topographic map.

If you have any questions or if additional information is needed, please contact me at (901) 791-2432.

Sincerely,
TIOGA ENVIRONMENTAL CONSULTANTS, INC.

Ryan Stringer, E.I.T.
Environmental Engineer in Training

Notice of Intent

AI: 54305

Rec'd via hard copy: 03/07/2024

FACILITY INFORMATION

MSR002531

Facility Name: ABB Installation Products, Inc.

Nature of Business (Include 4–digit Standard Industrial Classification Code (SIC) and description):

SIC Code: 4225 General Warehousing and Storage

Receiving Stream: Byhalia Creek

Is receiving stream on MDEQ's 303(d) List? ☐ Yes ■ No

Has a TMDL been established for the receiving stream segment? ☐ Yes ■ No

Physical Site Address:

Street: 442 East Stonewall Road **City:** Byhalia

County: Marshall **Zip:** 38611

Latitude: 34 degrees 51 minutes 35.77 seconds **Longitude:** 89 degrees 40 minutes 25.23 seconds

Method Used to Determine Lat & Long (GPS of plant entrance) or Map Interpolation): Map Interpolation

Attach a copy of any existing laboratory data for each storm water outfall. If multiple sampling has been performed, provide a summary for each parameter, including sampling dates and the minimum, average and maximum values.

Is this a SARA Title III, Section 313 facility utilizing water priority chemicals at threshold amounts? ☐ Yes ■ No
If yes, please attach a list of water priority chemicals present at the facility.

O.C

DOCUMENTATION OF COMPLIANCE WITH OTHER REGULATIONS/REQUIREMENTS

Is this notice for a facility that will require other permits? ☐ **Yes** ■ **No**

If yes, check which one(s): ☐ **Air,** ☐ **Hazardous Waste,** ☐ **Pretreatment,** ☐ **Water State Operating,** ☐ **Individual NPDES, or list Other(s):**

How will sanitary sewage be collected and treated? Sanitary sewage is connected to the local POTW.

Indicate any local storm water ordinance with which the facility must comply and submit any documentation of approval.

N/A

Is treatment of storm water provided at any outfall? ☐ **Yes** ■ **No**

If yes, please describe:

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 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.

Signature[1] (Must be signed by operator when different than owner)

2/27/24
Date Signed

Chuck Millner
Printed Name[1]

General Manager
Title

[1]This application shall be signed according to the General Permit, ACT 16, T-9, as follows:

- **For a corporation, by a responsible corporate officer.**
- **For a partnership, by a general partner.**
- **For a sole proprietorship, by the proprietor.**
- **For a municipal, state or other public facility, by principal executive officer, the mayor, or ranking elected official.**

After signing please mail to: **Chief, Environmental Permits Division**
MS Department of Environmental Quality, Office of Pollution Control
P.O. Box 2261
Jackson, MS 39225

ABB Byhalia SWPPP

Storm Water Pollution Prevention Plan (SWPPP)

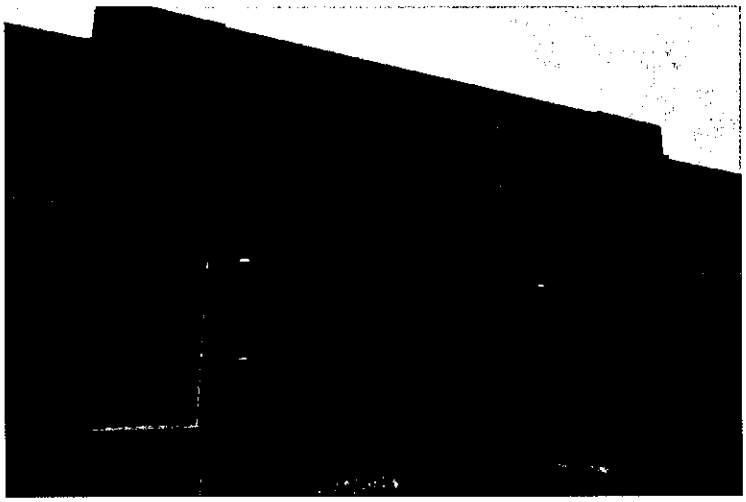
ABB Installation Products, Inc.

442 E. Stonewall Road

Byhalia, MS 38611

February 2024

Project No. 351405.00



Prepared By:

Tioga
ENVIRONMENTAL CONSULTANTS
357 North Main Street
Memphis, Tennessee 38103

Appendices

ANNUAL REVIEW

Name/Signature	Date	Changes Required (Y/N)
	2/27/24	N
	2/27/2024	N
	2/27/2024	N
	02/27.2024	N

1.0 STORM WATER POLLUTION PREVENTION PLAN INTRODUCTION

1.1 FACILITY DESCRIPTION

ABB Installation Products Inc. (ABB) is located at 442 E. Stonewall Road Byhalia, MS 38611. This Plan has been prepared to fulfill the requirements of the Industrial Storm Water General Permit (ISGP) for Industrial Activities (Permit No. MSR00), a rule of the State of Mississippi's Department of Environmental Quality (MDEQ), Environmental Permits Division. This Plan is also designed to minimize pollutants in the storm water runoff at this ABB Installation Products, Inc. facility. This plan will be implemented immediately.

The ABB facility encompasses 44 acres and is a distribution center used for warehousing, logistics, and distribution for electrification products manufactured domestically and globally.

ABB's operations currently fall under the SIC Code – 4225 General Warehousing and Storage. Based on this classification, the facility is subject to the Act 12 Non-Numeric limitations and reporting requirements listed in the MDEQ ISGP. The facility's operations do not qualify the facility for any of the numeric limitations and requirements listed in Acts 6-8 and Act 11 in the ISGP. The facility does qualify for EPA's sector P but MDEQ has no special SWPPP requirements based on this sector classification. Most of the facility's operations take place under roof. This includes all parts storage. Warehouse loading and unloading activities occur at docks lining the east and west sides of the building. Trailer storage lines the eastern and western edges of the property and a paved yard on the southern edge of the property.

This SWPPP shall be kept on-site and implemented by the facility.

This SWPPP inspection and evaluation was performed by Ryan Stringer of Tioga Environmental Consultants, Inc. on November 17, 2023.

1.2 IMPORTANT STORM WATER POLLUTION PREVENTION DEADLINES

February 2024	Notice of Intent for Coverage is submitted to the Division and on file at ABB Installation Products Inc.
February 2024	Storm water Pollution Prevention Plan (SWPPP) is updated and on file at ABB Installation Products Inc. The Division does not require a copy of the Plan unless specifically requested.
Monthly	Perform visual storm water sampling (if possible) and site inspection. Document results.
Once Annually	Train employees on storm water pollution prevention.
Once Annually	Perform and document Annual Comprehensive SWPPP Evaluation and revise SWPPP as needed. Prepare and sign report summarizing the evaluation.

2.0 DESCRIPTION OF POTENTIAL POLLUTANT SOURCES

For clarity, the descriptions of potential pollutant sources identified will be organized and discussed throughout this plan separately, according to source. The sources have been identified and included because they have the potential to add pollutants to storm water discharges.

2.1 FACILITY DRAINAGE

A Facility Map is included in Appendix A. This map identifies expected runoff directions for the drainage areas within the facility boundaries. This map also identifies existing structural control measures in place to reduce pollutants in storm water runoff, the locations of significant materials exposed to precipitation, the locations of outfalls covered in the permit, and potential pollutant sources. This site discharges to an unnamed tributary of Byhalia Creek.

The facility is located on flat terrain. The paved portions of the site drain into grate inlets and concrete swales that ultimately discharge into underground storm water drains or grassy swales. The entire site slopes generally from the inside towards the outside edges of the facility and is divided into four drainage basins. The majority of storm water generated around the facility flows into storm drains that connect to a single outfall at the northeast corner of the facility. Along the south side of the facility, storm water coming off of roof gutters and falling upon the property flow into grassy ditches or sheet flow to low spots along the property line at three additional outfalls.

2.1.1 Drainage Basin #1

Storm water runoff from the eastern, northern, and western portions of the property flow over paved surfaces or through roof gutters to an underground storm water drainage system. The underground storm water pipes connect and discharge to Outfall 01 located at the northeast corner of the facility, near the emergency water tank. Activities taking place in this outfall drainage basin are paved parking, loading and unloading areas with storage areas for trailers. The drainage basin also includes outdoor storage for a generator, transformers, covered waste compactor dumpsters, uncovered scrap wood and scrap metal roll offs and shelf/racking storage. The uncovered waste dumpsters are used to collect scrap metal from broken racks and shelving from the warehouse or scrap wood from broken wood pallets. The scrap wood and metal have minimal potential for storm water contamination.

Possible sources of contamination in this drainage basin include:

- Waste Dumpster / Scrap Dumpsters
- Truck Loading/Unloading
- Trailer Storage
- Diesel Generator
- Oil-filled Transformers
- Outdoor Rack / Shelving Storage
- Emergency Water Tank

2.1.3 Drainage Basin # 3

Drainage Basin #3 is on the south end of the facility and is comprised of the west portion of the southern trailer storage yard and a portion of the facility along the south perimeter road. The drainage basin collects water from the roof drains along the south side of the building along with water from the trailer storage yard. An open top mobile dumpster used to collect scrap metal is normally stored in the northwest section of the drainage basin.

Possible sources of contamination in this drainage basin include:

- Trailer storage
- Scrap metal trailer

Most of this basin trains into a grass-lined ditch which runs to Outfall 03 pictured below. There may be a few places along the edge of the drainage basin where sheet flow exits the drainage basin but the majority of flow in the area will collect in the grass lined ditch and discharge through Outfall 03.

Outfall 03

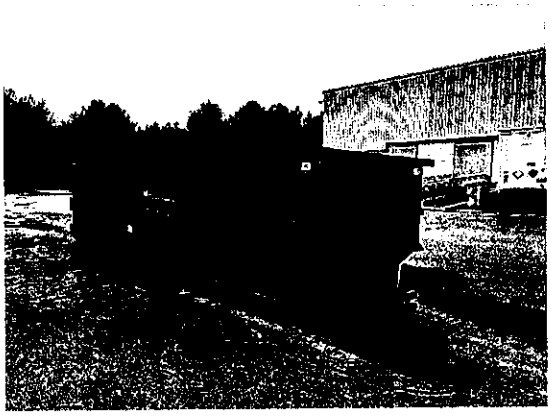
2.1.4 Drainage Basin # 4

Drainage Basin #4 is located at the southwestern corner of the facility. Storm water in the area comes from the paved parking area and road wrapping around the southwest corner of the facility and from roof gutters discharging into the drainage basin along the south side of the warehouse. Storm water collecting in the area sheet flows to the southwest edge. The majority of storm water flows along the paved area toward a low spot in the southwest corner of the drainage basin where it can cross the property line. There is, however, no single consolidated discharge point and differing amounts of water may flow over the property line at other points along the drainage basin's southern edge depending on how much rainfall occurs.

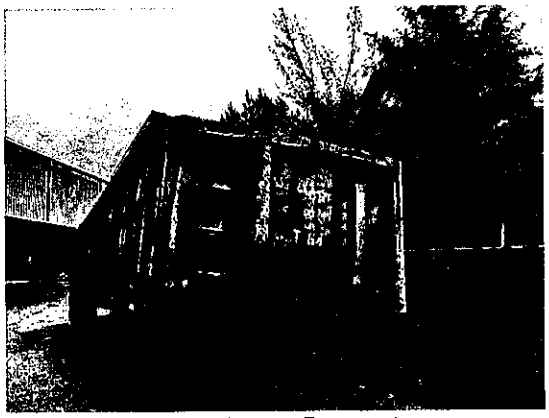
Possible sources of contamination in this drainage basin include:

- Trailer storage

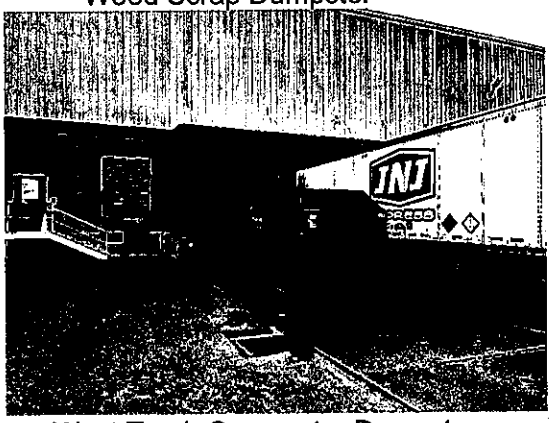
2.2.1 Waste / Scrap Dumpsters



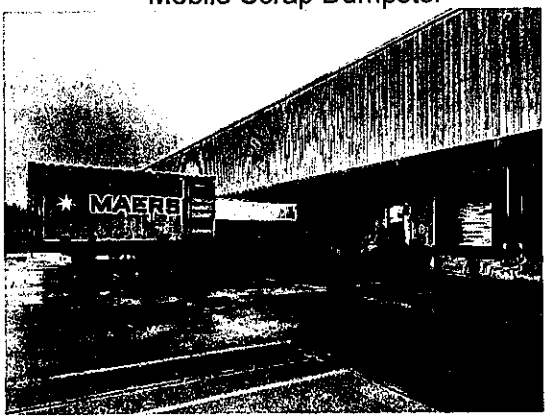
Wood Scrap Dumpster



Mobile Scrap Dumpster



West Trash Compactor Dumpster



East Trash Compactor Dumpster

Within Drainage Basin 1, an open top roll off dumpster is stored to collect wood scrap generated from inside the warehouse facility. Wood scrap is generated when pallets are broken while moving materials inside the facility. There is little opportunity for storm water pollution as the facility does not handle liquids so the broken pallets are not contaminated with any pollutants which may wash off with storm water.

A mobile metal scrap trailer is typically stored in Drainage Basin #3. Metal scrap is generated when shelves and racks inside the warehouse are damaged or when wiring and electrical housing are replaced inside the warehouse. These components have little potential for generating storm water pollution.

Within Drainage Basin 1 on both the east and west side of the facility, there are two trash compacting dumpsters. Each dumpster is connected to a loading dock and loaded under roof from inside the facility. The only potential for storm water pollution from the compactors would be during pickup when some trash may fall out of the compactor or the loading area when it is removed from the loading dock or from hydraulic lines leaking during operation.

Pollutants that may be generated from these sources are total suspended solids (TSS) from the dumpsters and hydraulic fluid (oil and grease) from the compactors.

2.2.3 Trailer Storage

East Trailer Storage

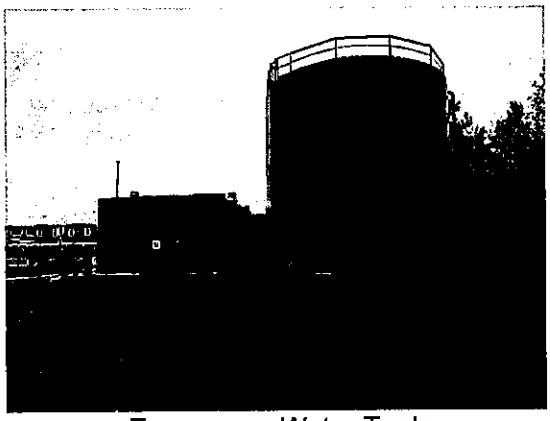
West Trailer Storage

South Trailer Storage

Trailers are stored in three different locations at the facility. The east and west trailer storage areas are each across the road from their respective east and west loading/ unloading areas. The south trailer storage area is located on an elevated and paved yard located south of the main building. Trailers may be stored loaded awaiting pickup or empty awaiting loading. Empty trailers are typically stored with their doors open. Due to the type of products stored at the facility there is little opportunity for storm water pollution from material inside the trailers.

Potential storm water pollution generated during trailer storage could be oil, grease or fuel leaks generated by vehicles dropping off and picking up trailers or trash left inside the empty trailers which may be swept out by the wind.

2.2.6 Emergency Water Tank

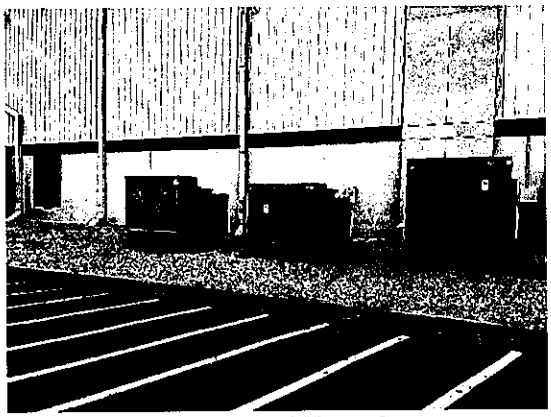


Emergency Water Tank

ABB has a 200,000-gallon emergency water tank stored outside with an attached emergency fire water pump with a 100-gallon diesel tank stored inside a building adjacent to the tank inside drainage basin 1 near Outfall 01.

Storm water pollution potential in the area is minimal as the only material stored inside the tank is water and the associated pump and diesel fuel tank are stored inside a building.

2.2.7 Transformers



Mineral Oil Filled Transformers

ABB has three transformers on-site along the north side of the main building near the emergency generator. The transformers are filled with mineral oil.

Potential stormwater pollution from the transformers is from mineral oil which may leak out of the transformers.

2.2.8 Interior Operations

Various activities occurring inside the buildings would have the potential for storm water pollution if relocated outside. These include:

3.0 MEASURES AND CONTROLS

Now that the existing sources of contamination have been identified and their potential as sources of contamination have been assessed, proper control measures or Best Management Practices (BMPs) can be reviewed and selected. These BMPs are site specific and will help to eliminate or reduce pollutant loading in storm water discharges from this facility. The following nine sections identify the minimum required BMPs for the ABB facility.

3.1 GOOD HOUSEKEEPING

Good housekeeping practices can be performed facility wide and are designed to maintain a clean and orderly work environment. This promotes good work habits and can help to reduce the possibility of spills and mishandled equipment. Additionally, well maintained storage areas reduce the potential for debris and chemicals mixing with storm water.

Good Housekeeping Checklist:

- Regularly pick up and dispose of trash and debris.
- Regularly ensure the trash dumpster is kept under cover and is not overfull.
- Provide protected storage areas for chemicals, paints, solvents, fertilizers and other potentially toxic materials.
- Provide adequately maintained sanitary facilities.
- Maintain dry and clean exterior concrete pads and ground surfaces by using brooms, shovels, vacuum cleaners and/or cleaning machines.
- Ensure spill clean-up procedures are understood and used by employees.
- Based on quarterly inspections, remove sediment and debris from around storm drains, catch basins, and ditches as needed.
- Routinely inspect for conditions that could lead to contact of storm water with raw materials, intermediate materials, waste materials, or products.

3.2 PREVENTIVE MAINTENANCE

Proper preventive maintenance can uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters. Regular preventive maintenance will include monthly inspections of the facility. Inspections shall include examination for leaks, windblown debris, corrosion, or other forms of deterioration or loss of containment.

Specifically, the scrap dumpsters, the trash compactors, the diesel generator, the three transformers, and the trailer storage areas shall be checked for leaks and the surrounding concrete/pavement will be checked for staining. Vehicles used on site will be checked for leaks and maintained in good working order.

3.3 SPILL PREVENTION AND RESPONSE PROCEDURES

Spills and leaks are the largest industrial sources of storm water pollutants and are in most cases are avoidable. Spill prevention and response procedures can help to reduce these types of releases.

3.5 MANAGEMENT OF RUNOFF

Traditional storm water management practices are used to divert, infiltrate, reuse, or otherwise manage storm water runoff in a manner that reduces pollutants in storm water discharges from the site. These can include structural control measures such as gutters, piping, grassy swales, secondary containment, catch basins, and drain lines.

Runoff from the roof along the north side of the building is directed to inlets connected to nearby underground storm drains sending the majority of storm water flow to Outfall 01. Storm water collecting in the paved areas around the facility in Drainage Basin 01 collect in storm water inlets placed throughout the paved areas which also connect to underground storm drains discharging to Outfall 01. Outfall 01 discharges through a storm drain outlet to a nearby low area which eventually reaches Byhalia Creek. Outfalls 02 and 03 discharge through a grassy ditch through a rip rap lined discharge points. Outfall 04 discharges from a discharge basin with a small area to a low area along the property border.

Section 2 provides a discussion of the runoff and controls at the ABB facility.

3.6 INSPECTIONS

3.6.1 Wet/Dry Weather Inspections

Per Section T5 (9) of the ISGP, ABB personnel shall visually inspect all areas and activities identified in Section 2.1 and 2. Per the ISGP, monthly inspections, during or after storm events, are recommended. As part of the inspection, storm water should be collected in a clear jar and examined in a well-lit area.

Site inspection forms are provided in Appendix B. If corrective measures or maintenance are required as a result of the inspection, a follow-up report will be prepared stating the action and date of the repair. If, as part of the monthly inspection, visual samples of storm water discharge were collected the results of the observations must be recorded in Jar Test visual inspection form found in Appendix B.

Inspections shall be performed by an authorized authority listed in the Employee Training Log.

Any poorly functioning controls or BMPs, non-compliant discharges or any other deficiencies observed during the inspections shall be corrected as soon as possible, but not to exceed 7-days after the inspection unless prevented by unsafe weather conditions. If the deficiencies would result in environmental harm, the deficiencies shall be corrected immediately.

3.6.2 Monthly Spill and Leak Log Sheet

The ISGP requires that during the monthly inspection a log of spills and leaks observed shall be recorded on the MDEQ Monthly Spill and Leak Log Sheet located in Appendix B. Even if no spills or leaks were observed during the inspection the absence of spills and leaks must be recorded on the sheet.

- Potential sources of pollution
- Spill prevention and response
- Good housekeeping
- Material management practices
- Inventory of exposed materials
- Identification and elimination of non-allowable storm water discharges
- Inspections
- Recordkeeping, reporting, and record retention requirements
- Installation, maintenance and inspection of Best Management Practices
- Monitoring compliance procedures
- Release reporting and non-compliance notification and reporting requirements

Employees will be trained annually on storm water pollution prevention. The amount and type of training will depend on the impact the performance of the employee's job might have on storm water pollution. The members of the storm water pollution prevention team should be familiar with this Plan and the Storm water General Permit Rules.

Training records shall include employee's name, worker identification number, date of training, contents of training, an indication whether it was initial or refresher training and an indication the employee's signature acknowledging that the training was received.

3.8 RECORDKEEPING AND REPORTING PROCEDURES

All monitoring information, copies of all reports required by the permit, and records of all data used to complete the application of this permit shall be maintained for a period of at least three (3) years from the date of sample, measurement, evaluation or inspection report or application.

The following records are kept as part of the storm water records.

- **Training** - Keep a record of training dates, topics, and people attending the training.
- **Preventive Maintenance** - Keep a record of preventive maintenance that would prevent storm water pollution. Preventive maintenance inspections shall include: examination for leaks (piping and containment areas), corrosion, support or foundation failure, or other forms of deterioration or non-containment. These records may be maintained in any suitable manner.
- **Storm Water Pollution Prevention Plan Changes** - When this Plan is modified, the old copies should be archived.
- **Visual Inspections of Storm water** - A checklist is attached for documenting the monthly storm water visual inspections. Keep a copy of the checklist in the records. These checklists contain a record of who did the visual inspections, when the inspection was conducted, what was found, and the corrective actions.
- **Site Inspections** - A checklist is attached for documenting the monthly site inspections. Keep a copy of the checklist in the records. These checklists contain a record of who did the site inspections, when the inspection was conducted, what was found, and the corrective actions.
- **General Permit** – A copy of the Mississippi Department of Environmental Quality Industrial Storm water General Permit for Industrial Activities, dated December 10, 2020, can be found in Appendix D of this Plan. Any modifications or communications from the Division or other regulatory authority shall also be kept in Appendix D.

4.0 STORM WATER MONITORING AND REPORTING REQUIREMENTS

4.1 ACT 10 (ISGP) R-1 MONTHLY SITE INSPECTIONS

The ABB Facility is subject to the reporting requirements listed in Act 10 R-1. ABB falls under SIC Code – 4225 General Warehousing and Storage (Federal Sector P storm water category). Only monthly visual monitoring sampling is required per the IGSP. Information is provided below regarding qualified rain events, sample collection, and similar outfalls. A copy of sectors P's information is included with this Plan in Appendix E. At ABB outfalls 02 and 04 are similar to outfall 03. All three outfalls have similar industrial exposures and outfall 03 has the largest drainage basin area of the three outfalls' drainage basins.

Outfall Sampling Requirements

Outfall	Sector P monthly visual monitoring	Sector P annual sampling
01	Yes	No
02*	N/A	No
03*	Yes	No
04*	N/A	No

*03 is similar to outfalls 02 and 04

Non-numeric limitations apply to the discharges from ABB's outfalls. The ISGP non-numeric limitations require that storm water discharges shall be free from:

- Debris, oil, scum, and other floating materials other than in trace amounts
- Eroded soils and other materials that will settle to form objectionable deposits in receiving waters
- Suspended solids, turbidity and color at levels inconsistent with the receiving waters
- Chemicals in concentrations that would cause violation of State Water Quality Criteria in the receiving waters.

4.2 STORM WATER MONITORING PLAN

4.2.1 Rain Event Minimum Requirements

Not just any storm event can be sampled. Where feasible, sampling must be done during a qualified storm event. The Division uses the following criteria to define a qualified storm event as explained in Act 11 T-1:

"The sampled discharge must result from a storm greater than 0.1 inches in magnitude and occurring at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm."

4.2.2 Monitoring Periods

Visual examinations shall be conducted monthly, if possible, for the purposes of inspecting storm water quality associated with storm water runoff or snow melt.

personnel, the nature of the discharge (i.e. runoff or snowmelt), visual quality, and other obvious indicators of storm water pollution and probable sources of any observed storm water contamination.

4.2.6 Annual Analytical Monitoring Examination

No analytical monitoring is required for ABB's industrial activities.

4.2.7 Sample Collection

Key points to remember during sample collection:

- Collect samples during the first 30 minutes of the discharge
- Collect sample from each outfall as described above
- For visual analysis, use a clear glass jar to view the sample
- File analytical results with this plan

4.3 REPORTING REQUIREMENTS

Copies of all monitoring data shall be maintained in the SWPPP file for a period of at least 3 years.

4.3.1 Existing Monitoring Data

Monitoring data such as visual results of sampling events is maintained in the SWPPP in Appendix B. This facility maintains all older storm water records in the central files on-site.

4.4 ANNUAL REVISION OF PLAN

Once each year, this Plan should be reviewed and updated. Annual reviews and updates are recorded on the Annual Comprehensive SWPPP Evaluation records. This is a working Plan, and it should change to meet changing needs. ABB shall amend the SWPPP:

- When there is a change in design, construction, operation, or maintenance at the facility that has a significant effect on the potential for the discharge of pollutants to waters of the state;
- If the SWPPP proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified;
- If the SWPPP proves to be ineffective in otherwise achieving the general objectives of controlling pollutants in storm water discharges associated with industrial activity.

The plan does not need to be rewritten every year. Rather, it can be modified by adding an addendum. The plan shall be updated every three years.

If the SWPPP is amended, a new copy of the plan shall be submitted to MDEQ within 30-days of the amendment.

While the Fecal Coliform TMDL segment of the Coldwater River is in Marshall County, the segment of the Coldwater River with the Total Nitrogen, Total Phosphorus and Organic Enrichment / Low dissolved oxygen TMDL is located in Tunica and Coahoma counties which are about 30-miles away from the ABB facility. ABB's operations do not generate pathogens or Fecal Coliform and therefore ABB's storm water runoff should not require any limits for Fecal Coliform. For the Total Nitrogen, Total Phosphorus and Organic Enrichment / Low dissolved oxygen TMDL, the segment of the Coldwater River with that TMDL restriction is at least 30 miles away from the ABB facility. There is no potential for the storm water discharges from ABB to impact that section of the Coldwater River for those pollutants. These TMDL values do not create any additional restrictions for ABB's storm water.

6.0 SIGNATURE REQUIREMENTS

"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." [11 Miss. Admin. Code Pt. 6, Ch.1]

Chuck Millner, General Manager
ABB Installation Products

2/27/24
Date

6.1 NOTE ON SIGNATURE AUTHORITY

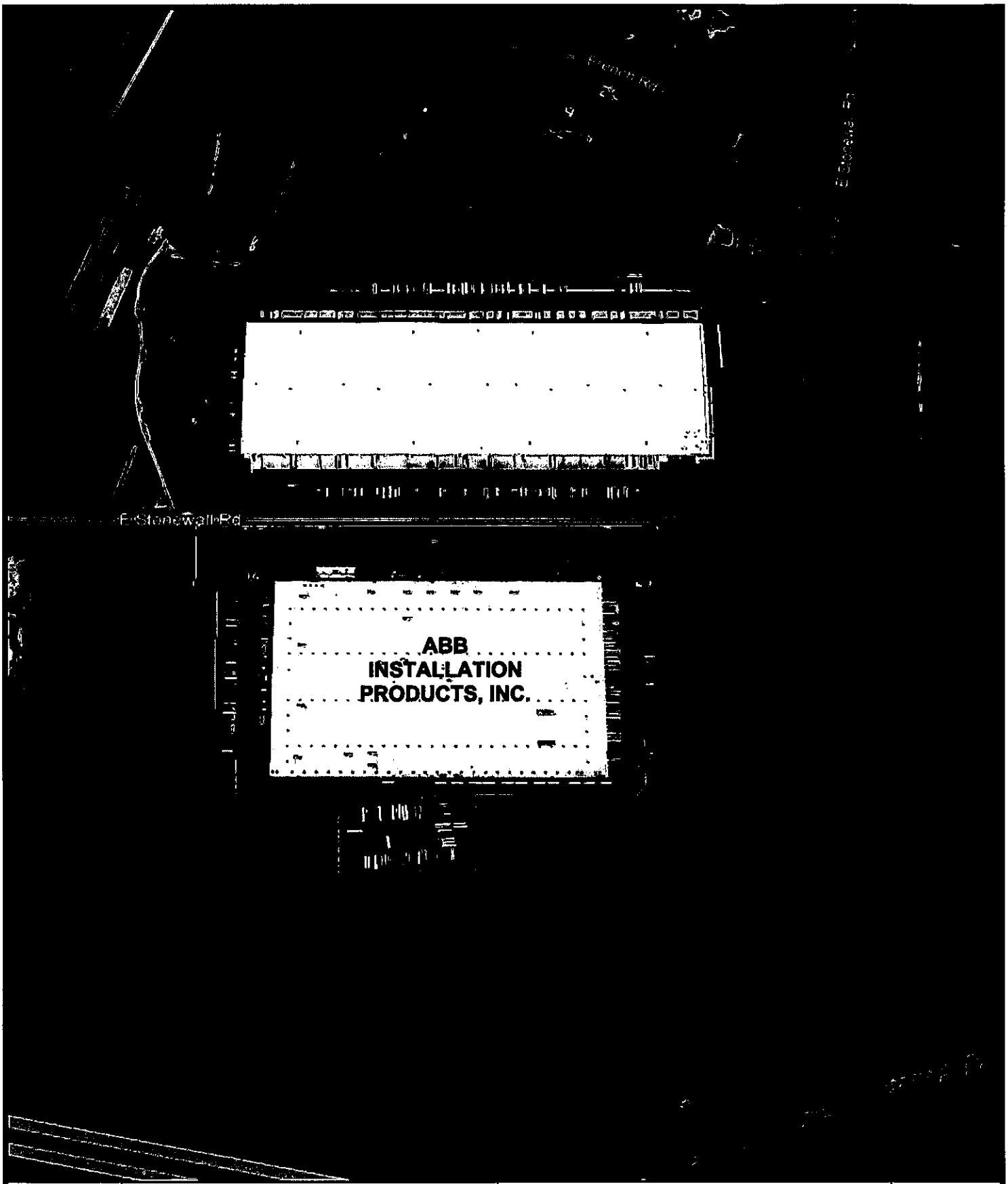
A responsible corporate officer must sign all reports required by this permit. For a corporation, this means:

A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or

The manager of one or more manufacturing, production or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

Appendix A

Facility Diagrams



NOT TO SCALE

Tioga
ENVIRONMENTAL CONSULTANTS

ABB INSTALLATION PRODUCTS, INC SWPPP		
DESCRIPTION: VICINITY MAP	PROJECT #: 351405.00	2
LOCATION: 442 E. STONEWALL ROAD BYHALIA, MS	DATE: DECEMBER 2023	

Appendix B

Inspection Forms

INDUSTRIAL STORMWATER GENERAL PERMIT
COVERAGE NUMBER (MSR_____)
MONTHLY INSPECTION / VISUAL EVALUATION REPORT
(FOR INDUSTRIAL STORM WATER ACTIVITY)

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

As required by ACT10 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: ABB Installation Products, Inc.	**DATE:**
PHYSICAL ADDRESS: 442 East Stonewall Road Byhalia, MS 38611	

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)?	○	○	■	No equipment cleaning is performed on-site.
• If so, is all wash water captured and properly disposed of?	○	○	■	
Equipment fueling: (Diesel Emergency Generator)				
• 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?	■	○	○	The only equipment fueling area on-site is for an emergency generator.
• Are structures in place to prevent precipitation from accumulating in containment areas?	■	○	○	The generator is covered and has an internal secondary containment.
• If not, is there any water or other fluids accumulated within the containment area?	○	○	■	

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	○	○	■	
• Mobile Equipment	○	○	○	
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?	○	■	○	The mobile scrap metal roll off and the scrap wood roll off are both too large to be 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?	○	○	○	

MONTHLY VISUAL STORMWATER SAMPLING FORM

ABB Installation Products, Inc.
MONTHLY STORMWATER VISUAL INSPECTION REPORT

Outfall Number:	Outfall 01	**Month / Year:**	
"Substantially Identical Outfall"?		**Date Sample Collected**	**Time Sample Collected**
☐ Yes ☐ No			

Stormwater Observations

Color	☐ None	☐ Other (describe):					
Odor	☐ None	☐ Musty	☐ Sewage	☐ Sulfur			
	☐ Sour	☐ Petroleum	☐ Solvents	☐ Other			
Clarity	☐ Clear	☐ Sl. Cloudy	☐ Cloudy	☐ Opaque			
Floating Solids	☐ No	☐ Yes (describe):					
Settled Solids**	☐ No	☐ Yes (describe):					
Suspended Solids	☐ No	☐ Yes (describe):					
Oil Sheen	☐ None	☐ Flecks	☐ Globs	☐ Sheen			
	☐ Slick	☐ Other (describe):					
Foam	☐ No	☐ Yes (describe):					

Other Obvious Indicators of Stormwater Pollution:

(insert photo of outfall here)

Outfall SW01

MONTHLY SPILL AND LEAK LOG

ANNUAL COMPREHENSIVE SWPPP EVALUATION

I. DESCRIPTION OF POTENTIAL POLLUTANT SOURCES (CONTINUED)			
	Yes	No	Findings & Remedial Action Documentation
SITE MAP			
• 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)			
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 ACT10 R-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. (ACT9 S-1 (4))**	○	○	

ILLICIT DISCHARGE EVALUATION FORM

EMPLOYEE TRAINING LOG FORM

Appendix C

SWPPP Replacement Pages

Appendix E

MDEQ Industrial Storm Water General Permit for Industrial Activities

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ACT2 (ISGP) Permit Applicability and Coverage:

T-1 PERMIT AREA:

The Industrial Stormwater General Permit covers all areas of the State of Mississippi. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

T-2 ELIGIBILITY:

(1) Discharges composed entirely of stormwater and allowable non-stormwater discharges identified in T-3 of this ACT. Discharges associated with industrial activities may be commingled with non-regulated stormwater and with industrial wastewaters covered under another permit. The discharges must not cause or contribute to violations of State Water Quality Standards.

(2) A facility is eligible for coverage under this general permit for discharges of pollutants of concern to water bodies for which there is an EPA-approved Total Maximum Daily Load (TMDL) if measures and controls are incorporated that are consistent with the assumptions and requirements of such TMDL. To be eligible for coverage under this general permit, the facility must incorporate in the Stormwater Pollution Prevention Plan (SWPPP) and/or effluent limitation any conditions applicable to any discharge(s) necessary for consistency with the assumptions and requirements of such TMDL. If a specific wasteload allocation is established that would apply to the facility's discharge subsequent to coverage issuance, the facility must implement steps necessary to meet that allocation.
[11 Miss. Admin. Code Pt. 6, Ch. 1.]

ACT2 (continued):

T-4 THIS PERMIT DOES NOT AUTHORIZE:

(1) Stormwater discharges from the following industrial activities are not eligible for coverage by this permit.

(A) Construction, landfills not covered by ACT 6 of this permit, mining, ready-mix or hot mix asphalt facilities or other activities requiring stormwater coverage under a different general permit,

(B) Discharges to Federal CERCLA sites.

(C) Facilities with effluent guideline limitations for stormwater. The following effluent guideline limitations address stormwater: cement manufacturing (40 CFR Part 411); feedlots (40 CFR Part 412); fertilizer manufacturing (40 CFR Part 418); petroleum refining (40 CFR Part 419); phosphate manufacturing (40 CFR Part 422); coal mining (40 CFR Part 434); mineral mining and processing (40 CFR Part 436); ore mining and dressing (40 CFR Part 440); and paving and roofing materials (40 CFR Part 443),

(D) Facilities with an active individual or alternative general permit for stormwater discharges,

(E) Facilities that MDEQ has shown to be or may reasonably be expected to be contributing to a water quality standard violation, and

(F) Inactive mining or inactive oil and gas operations occurring on federal lands where an operator cannot be identified.

(2) Discharges which result in violation of State Water Quality Standards. If a discharge authorized under this permit is later determined to cause or have the reasonable potential to cause or contribute to the violation of an applicable water quality standard, MDEQ will notify the regulated entity of such water quality violation(s) in writing and will provide the information used by MDEQ to make this determination. The regulated entity must take all necessary actions required to ensure future discharges do not cause or contribute to the violation of a water quality standard. If such violations remain or re-occur, then additional measures, such as the addition of BMPs or the requirement to obtain an individual permit, may be required by the Permit Board. Compliance with this requirement does not preclude any enforcement activity as provided by the Clean Water Act for the underlying violation.

(3) Activities that affect waters of the State, including wetlands, without obtaining the necessary U.S. Army Corps of Engineers (COE) individual Section 404 permit or coverage under a COE nationwide or general permit. Appropriate documentation must be submitted with the Industrial Stormwater Notice of Intent (ISNOI). [11 Miss. Admin. Code Pt. 6, Ch. 1.]

ACT3 (ISGP) Obtaining Coverage:

S-1 OBTAINING AUTHORIZATION:

(1) Owners and/or operators desiring coverage for stormwater discharges associated with industrial activity under this general permit must submit an Industrial Stormwater Notice of Intent (ISNOI) and other required submittals in accordance with the requirements of this permit.

(2) Upon review of the Industrial Stormwater Notice of Intent (ISNOI) and other required submittals, MDEQ staff may require additional information, recommend that coverage not be granted and/or that an alternate permit would be more appropriate. The MDEQ staff recommendations may be brought before the Mississippi Environmental Quality Permit Board (Permit Board) for review and consideration at a regularly scheduled meeting, or at a special meeting at its discretion.

(3) Coverage under this permit will not be granted until all other required MDEQ permits, certifications and approvals are satisfactorily addressed.

(4) Owners or operators are authorized to discharge stormwater associated with industrial activity under the terms and conditions of this permit only upon receipt of written notification of approval of coverage by the Permit Board staff. Discharge of stormwater without written notification of coverage under this permit, or issuance of an individual NPDES Stormwater Permit constitutes a violation of the Mississippi Air and Water Pollution Control Law 49-17-29(2)(b). [11 Miss. Admin. Code Pt. 6, Ch. 1.]

S-2 REQUIRING AN INDIVIDUAL PERMIT OR ALTERNATIVE GENERAL PERMIT:

(1) The Permit Board may require any coverage recipient to apply for and obtain either an individual or an alternative general NPDES permit. Any interested person may petition the Permit Board to take action under this paragraph. The Permit Board may require any coverage recipient to apply for an individual NPDES permit only if the coverage recipient has been notified in writing. Such notice shall include reasons for the Permit Board's decision, an application form and a filing deadline. The Permit Board may grant additional time at its discretion, upon request. If a coverage recipient fails to submit a requested application in a timely manner, coverage under this permit is automatically terminated at the end of the day specified for application submittal.

(2) Any coverage recipient may request to be excluded from permit coverage by applying for an individual permit or coverage under another general permit. The applicant shall submit an individual application (EPA Forms 1 and 2F) or appropriate general permit Notice of Intent Form.

ACT4 (ISGP) Notice of Intent (ISNOI):

S-1 ISNOI SUBMITTAL:

Facilities desiring coverage for stormwater discharges associated with industrial activity under this permit should submit an ISNOI Form at least 60 days prior to the commencement of the regulated industrial activity. Existing facilities that do not have coverage or are covered by an individual permit or another general permit and wish coverage under the Industrial Stormwater General Permit shall allow for a 60 day review period by MDEQ staff. The ISNOI Form can be found in the Industrial Stormwater Forms Package, which can be obtained from MDEQ at the address given in T-2 of this ACT or from the MDEQ website at https://www.mdeq.ms.gov/industrial-stormwater/. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

S-2 REQUIRED SUBMITTALS WITH THE ISNOI:

Submittals required with a completed ISNOI include:

(1) A Stormwater Pollution Prevention Plan (SWPPP) prepared in accordance with ACT5 of this permit,

(2) A United States Geological Survey (USGS) quad map, or photocopy, extending at least 1/2 mile beyond the facility property boundaries with the site location outlined or highlighted, and

(3) A detailed site drawing prepared in accordance with ACT5, T-4 (6). [11 Miss. Admin. Code Pt. 6, Ch. 1.]

S-3 EXPANSION AND/OR MODIFICATION NOTIFICATION:

The coverage recipient must notify the Permit Board by submittal of an appropriate form at least 30 days before:

(1) Any planned change in industrial processes that may affect stormwater quality,

(2) Any change in the area of the footprint of the facility identified the original submittal,

(3) Any planned changes of ownership or,

(4) Any changes in information previously submitted in the ISNOI. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

ACT5 (ISGP) Stormwater Pollution Prevention Plan (SWPPP) Development and Content:

T-1 STORMWATER POLLUTION PREVENTION PLAN (SWPPP) DEVELOPMENT:

A SWPPP shall be developed and implemented for each facility subject to this permit. A SWPPP shall be prepared in accordance with sound engineering practices and shall identify potential sources of pollution, which may reasonably be expected to affect the quality of stormwater discharges associated with industrial activity from the facility. The SWPPP shall describe and ensure the implementation of best management practices which will reduce pollutants in stormwater discharges and assure compliance with the terms and conditions of this permit. For assistance in developing a SWPPP, applicants are encouraged to reference the Mississippi Stormwater Pollution Prevention Plan (SWPPP) Guidance Manual for Industrial Facilities or other recognized manual of design, such as EPA's "Developing Your Stormwater Pollution Prevention Plan" (February, 2009), which are available at: https://www.mdeq.ms.gov/industrial-stormwater/ [11 Miss. Admin. Code Pt. 6, Ch. 1.]

T-2 MINIMUM SWPPP COMPONENTS/DESCRIPTION OF POTENTIAL POLLUTANT SOURCES:

Each plan shall identify all activities and significant materials which may potentially pollute stormwater discharges, including:

(1) A list of industrial activities exposed to stormwater (e.g., storage; equipment fueling; maintenance and cleaning; loading/unloading; process areas, discharge location, etc.);

(2) A list of the materials and pollutants associated with each of the activities identified above (e.g., used oil, zinc, sulfuric acid, solvents, etc.);

(3) A narrative description of the materials and pollutants identified above. The narrative shall include, but not be limited to:

(A) Method of storage or disposal,

(B) Management practices employed to minimize contact of these materials with stormwater,

(C) Existing structural and non-structural control measures to reduce pollutants in stormwater runoff, and

(D) Any treatment the stormwater receives. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

ACT5 (continued):

(I) Stormwater conveyances (ditches, pipes, & swales), and

T-5 (J) Any post-construction control measures.

(7) A topographic map extending at least 1/2 mile beyond the facility property boundaries. This may be part of the above required site map; and

(8) A summary of the types of pollutants likely to be present for each area of the facility generating stormwater discharges with a reasonable potential for containing significant amounts of pollutants. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

T-6 MINIMUM SWPPP COMPONENTS/DESCRIPTION OF STORMWATER MANAGEMENT CONTROLS:

The coverage recipient shall describe appropriate stormwater management controls addressing identified potential pollution sources and implement such controls. The description shall include a schedule for implementing the following minimum components:

(1) Pollution Prevention Manager/Committee. The SWPPP shall specify individual(s) responsible for developing the SWPPP and assisting the facility manager in its implementation, maintenance, and revision.

(2) Risk Identification and Assessment/Material Inventory. The SWPPP shall 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 waste disposal practices. Factors to consider include the toxicity and quantity of chemicals used, produced, or discharged, the likelihood of contact with stormwater and history of significant leaks or spills of toxic or hazardous pollutants. The plan shall include an inventory of materials handled. Based on the Risk Identification and Material Inventory, the plan shall specify management controls, and, if necessary, structural controls to reduce or eliminate the potential for pollutants in the stormwater discharges.

(3) Sediment and Erosion Prevention. The SWPPP shall identify areas with a high potential for soil erosion, and specify prevention measures to limit erosion (using grading, berming or curbing to prevent runoff of contaminated flows and divert run-on away from these areas; locate materials, equipment, and activities so that potential leaks and spills are contained or able to be contained or diverted before discharge; etc.).

(4) Preventive Maintenance. A preventive maintenance program shall require inspection and maintenance of stormwater management devices (cleaning oil/water separators, catch basins, etc.) and the inspecting and testing of equipment to preclude breakdowns or failures that may cause pollution.

ACT5 (continued):

T-8 (9) Routine Visual Site Inspections. The purpose of conducting visual site inspections is to make sure stormwater discharges are free from objectionable characteristics in observable amounts (i.e., turbidity, color, sheen, etc.). The SWPPP shall describe the policy and procedures for routine visual site inspections, including frequencies and areas to be inspected. Areas to be inspected must include all industrial activities exposed to stormwater identified in ACT5, T-2 (1). These areas must be checked for evidence of pollutants entering the stormwater drainage system and also identify conditions which may give rise to contamination of stormwater runoff.

The frequency of inspections shall be performed as often as needed but no less than once monthly. If feasible, the inspections should be conducted during or after storm events. As part of the inspection, stormwater should be collected in a clean, clear jar and examined in a well-lit area. The SWPPP should outline procedures consistent with the requirements of ACT10, R-1 to investigate, correct and document instances in which visible pollutants are observed.

T-9 (10) Stormwater Management. The SWPPP should provide for the management of stormwater volume through its diversion, infiltration, storage or re-use.

(11) Non-Stormwater Discharge Management. The SWPPP must identify any allowable non-stormwater discharges, identified in ACT 2, T-3, except for flows from actual firefighting activities, which are combined with stormwater discharges associated with industrial activity at the site. Non-stormwater discharges should be eliminated or reduced to the extent feasible. The SWPPP must identify and ensure the implementation of appropriate Best Management Practices (BMPs) for the non-stormwater component of the discharge. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

ACT6 (continued)

(5) Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting storm water runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site;
(6) Provide and maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration, unless infeasible;
(7) Minimize soil compaction and, unless infeasible, preserve topsoil;
(8) Direct storm water to vegetated areas, brush barriers, silt fences, hay bales, etc. to aid in the filtration, infiltration, velocity reduction and diffusion of the discharge;
(9) Transport runoff down steep slopes through lined channels or piping;
(10) Minimize off-site vehicle tracking of sediments. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

T-3 As a minimum, the controls must be in accordance with the standards set forth in the most current edition of the "Erosion Control, Sediment Control and the Stormwater Management on Construction Sites and Urban Areas (Three Volumes)" or other recognized manual of design. The SWPPP shall address the following minimum components:

(1) A scaled site map shall be prepared showing boundaries of property and the facility boundaries covered under the Class I/Class II Rubbish Site General Permit, buffer zone compliance, original and proposed contours (if practicable), drainage patterns, adjacent receiving water bodies, north arrow, all erosion and sediment controls (vegetative and structural), and the location of housekeeping practices.

(2) Structural practices shall divert flows from exposed soils, store flows or otherwise limit runoff from exposed areas. Such practices may include, but are not limited to, silt fences, earth dikes, brush barriers, drainage swales, check dams, subsurface drains, pipe slope drains, level spreaders, drain inlet protection, outlet protection, detention/retention basins, sediment traps, temporary sediment basins or equivalent sediment control.

(A) For drainage locations (a drainage point at boundary of land disturbing activity) that serve an area with ten (10) or more disturbed acres at one time, a temporary (or permanent) sediment basin providing at least 3,600 cubic feet (133 cubic yards) of storage per acre drained shall be provided until final stabilization of the site. Sediment basins must be installed before initial site grading and utilize outlet structures that withdraw water from the surface and that are designed for a minimum 2-year, 24-hour storm event.

ACT6 (cont.)

In the event of an unanticipated breach of a sediment basin/pond temporary containment measures shall be taken within 24 hours after the inspection. Permanent corrective measures shall be implemented within five (5) days of the inspection; however, if permanent corrective measures cannot be implemented within the timeframes provided herein the owner or operator shall contact MDEQ [11 Miss. Admin. Code Pt. 6, R. 1]

T-6 Implementation Sequence and Final Stabilization

The SWPPP shall describe an implementation sequence for the development, use, and closure of individual waste management unit within the rubbish facility. Additionally, the SWPPP shall describe a plan for the final vegetative stabilization of the site in accordance with ACT-15 Condition S-1.

R-1 IMPLEMENTATION OF CONTROLS:

The SWPPP shall require the owner/operator during facility construction, and subsequent facility cell construction, (e.g. clearing and grubbing) to implement controls necessary to mitigate erosion and adverse impacts to offsite areas and receiving streams. During facility operations, vegetative and structural practices shall be maintained as set forth in the approved SWPPP. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

T-3 Maintenance and Weekly Inspections:

The SWPPP shall describe procedures to maintain erosion and sediment controls and other protective measures. Procedures shall provide that all controls and outfalls/discharge points are inspected after rain events that produce a discharge and at least weekly for all areas not stabilized. Stabilization measures include permanent vegetative cover, gravel or limestone cover or other impervious surface cover. Any stabilized area (i.e. - permanent vegetation established on exposed soils) may be inspected monthly in accordance with ACT10, R-1.

Vehicles should be inspected for leaks upon arriving at the facility or as soon as practicable. Additionally automobile storage areas, automotive fluid storage areas (tanks, drums, and other vessels), and any equipment containing oily part should be inspected as part of the monthly site inspection as required by ACT10 R-1. Any spill or leaks should be documented on the Monthly Spill and Leak Log Sheet required by ACT 5 T-3 and corrected within 14 days unless it immediately threated Stormwater in which case it should be corrected as soon as possible.

ACT8 (continued):

T-3 (6) Discharges from Areas Covered by Conditions (2), (3), (4) or (5) of this ACT shall comply with the following:

(A) Drainage from these areas shall be restrained by valves or other means to prevent a spill or excessive leakage of Section 313 Water Priority Chemicals into the drainage system. Pumps or ejectors may empty containment areas; however, these must be manually activated.

(B) Flapper-type drain valves shall not be used to drain containment areas. Valves used for the drainage of containment areas shall be of manual, open-and-close design.

(C) If plan drainage is not engineered as above, the final discharge of all facility storm sewers shall be equipped, in the event of an uncontrolled spill of Section 313 Water Priority Chemicals, to return the spilled material to the facility.

(7) Other Areas, Which May Contain Runoff of Section 313 Water Priority Chemicals. Drainage or other controls to prevent or mitigate polluted runoff or leachate shall be incorporated.

T-4 (8) Preventive Maintenance and Housekeeping. All areas of the facility shall be inspected at specific intervals for leaks or conditions that could lead to discharges of Section 313 Water Priority Chemicals or direct contact of stormwater with raw materials, intermediate materials, waste materials or products. In particular, facility piping, pumps, storage tanks and bins, pressure vessels, process and material handling equipment, and material bulk storage area shall be examined for any conditions or failures which could cause a discharge. Inspection shall include examination for leaks, corrosion, support or foundation failure, or other forms of deterioration or noncontainment. Inspection intervals shall be specified in the plan and shall be based on design and operational experience. Different areas may require different inspection intervals. Where a leak or other condition is discovered which may result in significant releases of Section 313 Water Priority Chemicals to the drainage system, corrective action shall be immediately taken or the unit or process shut down until corrective action can be taken. When a leak or noncontainment of a Section 313 Water Priority Chemical has occurred, contaminated soil, debris, or other material must be promptly removed and disposed of in accordance with Federal, State, and local requirements and as described in the plan. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

(9) Facility Security. Facilities shall have the necessary security systems to prevent accidental or intentional entry that could cause a discharge. Security systems described in the plan shall address fencing, lighting, vehicular traffic control, and securing of equipment and buildings.

(10) Training. Facility employees and contractor personnel shall be trained in preventive measures. Training shall be conducted at least annually on pollution control laws and regulations, the stormwater pollution prevention plan and the particular features of the facility and its operation which are designed to prevent spills and discharges of Section 313 Water Priority Chemicals.

ACT9 (ISGP) Stormwater Pollution Prevention Plan (SWPPP) Implementation Requirements:

S-1 The coverage recipient shall:

(1) Implement the SWPPP and retain a copy of the SWPPP at the permitted site. Failure to implement the SWPPP is a violation of permit requirements. A copy of the SWPPP must be made available to the MDEQ inspectors for review at the time of an on-site inspection.

(2) Comply with the terms of the SWPPP upon commencement of the regulated activity.

(3) If notified at any time by the Executive Director of the MDEQ that the SWPPP does not meet the minimum requirements, amend the SWPPP and certify in writing to the Executive Director that the requested changes have been made. Unless otherwise provided, the coverage recipient shall have 30 days to make the requested changes.

(4) Amend the SWPPP whenever there is a change in design, construction, operation, or maintenance, or the SWPPP proves to be ineffective in controlling stormwater pollutants. The coverage recipient shall submit it to the MDEQ within 30 days of amendment.

(5) If after coverage issuance, a specific wasteload allocation is established that would apply to the facility's discharge, the facility must implement steps necessary to meet that allocation.

(6) Submit any new stormwater sampling data within 90 days of sampling. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

S-2 SWPPP COMPLIANCE WITH LOCAL STORMWATER ORDINANCES:

(1) The SWPPP shall be in compliance with all local stormwater ordinances.

(2) When stormwater discharges into a Municipal Separate Storm Sewer System (MS4), the coverage recipient shall make the SWPPP available to the local authority upon request. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

The results of all annual SWPPP evaluations shall be documented on the Annual Comprehensive SWPPP Evaluation Form, filed on-site with the SWPPP, and made available to MDEQ personnel for inspection upon request. The Annual Comprehensive SWPPP Evaluation Form is provided in the Industrial Stormwater Forms Package, which can be found on the MDEQ website at https://www.mdeq.ms.gov/industrial-stormwater/. The form must be signed in accordance with the provisions outlined in ACT15, T-9 or T-10. 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. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

ACT11 (continued):

L-1 LIMITATIONS/MONITORING REQUIREMENTS FOR STORMWATER DISCHARGES FROM FACILITIES WITH COAL PILES: Stormwater discharges associated with industrial activity from facilities with coal piles shall be limited and monitored as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Quality / Conc. Minimum	Quality / Conc. Average	Quality / Conc. Maximum	Quality / Conc. Units	Frequency	Sample Type	Which Months
Solids (Total Suspended) Effluent	******	******	******	******	******	50 Annual Maximum	mg/L	Annually	Grab Sampling	Jan-Dec
pH Effluent	******	******	******	Report Minimum	******	Report Maximum	SU	Annually	Grab Sampling	Jan-Dec
Copper, Total Effluent	******	******	******	******	******	Report Annual Maximum	mg/L	Annually	Grab Sampling	Jan-Dec
Zinc, Total Effluent	******	******	******	******	******	Report Annual Maximum	mg/L	Annually	Grab Sampling	Jan-Dec

(1) Monitoring Exemptions - monitoring for copper, zinc and pH may be discontinued if two consecutive annual samplings show concentrations of copper and zinc are below the indicated value and pH is within the specified range. This exemption may not be granted if the following parameters can adversely impact impaired waters and/or are included in a wasteload allocation established by a TMDL. There is no exemption from monitoring total suspended solids, which must be conducted at least annually.

Total Copper.....0.01 mg/l
Total Zinc.....0.06 mg/l
pH.....between 6.0 and 9.0 S.U.

(2) Sampling shall be conducted at the nearest accessible point after final treatment but prior to entering or mixing with the receiving stream. The location of sampling point(s) shall be noted on the site drawing prescribed in ACT5, Condition T-4(B) of this permit.

(3) The following records of sampled storm events must also be documented and maintained with the SWPPP:
(A) Date and duration (in hours) of the storm(s) sampled;
(B) Rainfall measurements or estimates (in inches) of the storm which generated the sampled runoff;
(C) The duration between the storm sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm; and
(D) An estimate of total discharge (gal.) for the storm sampled shall be provided.

ACT12 (ISGP) Limitation Requirements:

L-1 NON-NUMERIC LIMITATIONS:

Stormwater discharges shall be free from:

(1) Debris, oil, scum, and other floating materials other than in trace amounts,

(2) Eroded soils and other materials that will settle to form objectionable deposits in receiving waters,

(3) Suspended solids, turbidity and color at levels inconsistent with the receiving waters,

(4) Chemicals in concentrations that would cause violation of State Water Quality Criteria in the receiving waters. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

ACT14 (ISGP) Personnel Training Requirements:

S-1 TRAINING DOCUMENTATION:

Personnel training conducted to meet the requirements of this ACT shall be documented. Training records shall include employee's name, worker identification number, date of training, contents of training, an indication whether it was initial or refresher training and the employee's signature acknowledging that training was received. All personnel training associated with this general permit shall be documented on the Employee Training Log Form that is provided in the Industrial Stormwater Forms Package, which can be found on the MDEQ website at https://www.mdeq.ms.gov/industrial-stormwater/. 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. Completed forms and supporting training documentation shall be maintained on-site with the SWPPP and made available to MDEQ personnel for inspection upon request. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

S-2 TRAINING PROGRAM REQUIREMENTS:

The coverage recipient shall develop and implement a program for initial and periodic refresher training of personnel that are responsible for implementing and/or complying with the requirements of this permit. Initial training for all personnel that are responsible for implementing and/or complying with the requirements of this permit shall be performed within twelve (12) months of issuance of coverage or recoverage under this permit. Newly hired employees responsible for implementing and/or complying with the requirements of this permit shall receive initial training prior to performing such responsibilities. All employees responsible for implementing and/or complying with the requirements of this permit shall receive refresher training by December 31st of each calendar year.

Training shall at a minimum address, but not be limited to, the following elements:

(1) SWPPP goals and plan components identified in ACTs 5 through 8 of this permit, including:

(A) Housekeeping and pollution prevention requirements,

(B) Spill prevention and response procedures,

(C) Identification and elimination of non-allowable, non-stormwater discharges,

(D) Installation, maintenance and inspection of erosion and sediment controls for construction activities, and

(E) Installation, maintenance and inspection of Best Management Practices (BMPs) for industrial stormwater and/or post-construction stormwater. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

ACT15 (ISGP) Termination of Permit Requirements:

S-1 CLOSURE REQUIREMENTS:

Should the coverage recipient decide to permanently cease its regulated industrial activity and/or abandon the premises upon which it operates or wish to terminate Industrial coverage and submit a No Exposure Certification, a closure plan shall be submitted to the MDEQ no later than 30 days prior to doing so. A closure plan required by another MDEQ permit will be deemed adequate to satisfy the requirements of this section if stormwater is specifically addressed. The plan shall include, but not be limited to, addressing:

(1) How and when all industrial machinery, material handling equipment, manufactured products, by-products, raw materials, stored chemicals, and solid and liquid waste and residues will be removed from the premises so that stormwater discharges associated with industrial activity have been eliminated

(2) For facilities wishing to make a certification of no exposure, the plan shall outline the steps taken to prevent stormwater from being exposed to regulated industrial activities, and

(3) Final stabilization of the entire site, whereby exposed areas must be stabilized using structural and/or non-structural control measures. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

S-2 REQUEST FOR TERMINATION REQUIREMENTS:

Facilities that are out of business, are no longer an industrial activity as defined in stormwater regulations 40 CFR 122.26(b)(14), or wish to make a certification of no exposure shall submit a Request for Termination (RFT) Form found in the Industrial Stormwater Forms Package, which can be found on the MDEQ website at https://www.mdeq.ms.gov/industrial-stormwater/. The coverage recipient is bound by the conditions of this permit until MDEQ issues a written termination of coverage. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

ACT16 (continued):

T-7 OIL AND HAZARDOUS SUBSTANCE LIABILITY:

Nothing in this permit shall relieve the coverage recipient from responsibilities, liabilities, or penalties under Section 311 of the CWA (33 U.S.C. Section 1321).

T-8 PROPER OPERATION AND MAINTENANCE:

The coverage recipient 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 coverage recipient to achieve compliance with the conditions of this permit, including the Stormwater Pollution Prevention Plan. Proper operation and maintenance includes adequate laboratory controls with appropriate quality assurance procedures and requires the operation of backup or auxiliary facilities when necessary to achieve compliance with permit conditions. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

T-9 SIGNATORY REQUIREMENTS:

All ISNOIs, Re-Coverage Forms, Modification Forms, Request for Coverage Transfer, Requests for Termination, and No Exposure Certifications shall be signed as follows:

(1) For a corporation by a responsible corporate officer. For this permit, a responsible corporate officer means:

(A) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or

(B) The manager of one or more manufacturing, production or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

ACT16 (continued):

T-12 CERTIFICATION:

Any person signing documents under this section shall make 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 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." [11 Miss. Admin. Code Pt. 6, Ch.1.]

T-13 BYPASS PROHIBITION:

Bypass (see 40 CFR 122.41(m)) is prohibited and enforcement action may be taken against a coverage recipient for a bypass, unless:

(1) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(2) There were 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 the coverage recipient should, in the exercise of reasonable engineering judgment, have installed adequate backup equipment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

3) The coverage recipient submitted notices per T-18 of this ACT. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

T-14 UPSET CONDITIONS:

An upset (see 40 CFR 122.41(n)) constitutes an affirmative defense to an action brought for noncompliance with technology-based permit limitations if a coverage recipient demonstrates, through properly signed, contemporaneous operating logs, or other relevant evidence, that:

(1) An upset occurred and the coverage recipient can identify the specific cause(s) of the upset;

(2) The permitted facility was, at the time, being properly operated at the time of the upset;

(3) The coverage recipient submitted notices per T-18 of this ACT; and

ACT16 (continued):

T-17 PERMIT ACTIONS:

This permit may be modified, revoked and reissued, or terminated for cause. A request by the coverage recipient for permit or coverage modification, revocation and reissuance, or termination, or a certification of planned changes or anticipated noncompliance does not stay any permit condition. [11 Miss. Admin. Code Pt. 6, Ch. 1.]

T-18 NONCOMPLIANCE REPORTING:

(1) Anticipated Noncompliance. The coverage recipient shall give at least 10 days advance notice, if possible, before any planned noncompliance with permit requirements. Giving notice of planned or anticipated noncompliance does not immunize the coverage recipient from enforcement action for that noncompliance.

(2) Unanticipated Noncompliance. The coverage recipient shall notify the MDEQ orally within 24 hours from the time he or she becomes aware of unanticipated noncompliance, which may endanger health or the environment. A written report shall be provided to the MDEQ within five (5) working days of the time he or she becomes aware of the circumstances leading to the unanticipated noncompliance. The report shall describe the cause, the exact dates and times, steps taken or planned to reduce, eliminate, or prevent reoccurrence and, if the noncompliance has not ceased, the anticipated time for correction.

(3) Other Noncompliance: The coverage recipient shall report all instances of noncompliance not reported under paragraph (2) above, within 30 days from the end of the month in which the noncompliance occurs. The report shall describe the cause, the exact dates and times, steps taken or planned to reduce, eliminate, or prevent reoccurrence and, if the noncompliance has not ceased, the anticipated time for correction.

Complete and appropriately signed Reports must be submitted to the address given in ACT4, Condition T-2, to the attention of: Chief, Environmental Compliance and Enforcement Division.

ACT16 (continued):

Six (6) months after the ISGP is reissued, no coverage shall remain in effect under the previous general permit unless a complete Recoverage Form and other required submittals have been received by MDEQ. [11 Miss. Admin. Code Pt. 6, Ch.1.]

T-23 MONITORING AND RECORDS:

(1) Monitoring. Samples and measurements shall be representative of the monitored activity and must be conducted according to test procedures approved under 40 CFR Part 136.

(2) Retention of Records. The owner or operator shall retain records of all monitoring information for a period of at least three years from the date of the measurement, report, or application. This information includes all calibration and maintenance records, all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the Notice of Intent to be covered by this permit. This period may be extended by request of the Permit Board or its designee.

(3) Record Contents. Records of monitoring information shall include:

(A) The date, exact location, and time of sampling or measurements,

(B) The initials or names of the individuals who performed the sampling or measurements,

(C) The date(s) and time(s) analyses were performed,

(D) The initials or names of the individuals who performed the analyses,

(E) References and written procedures, when available, for the analytical techniques or methods used, and

(F) The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.
[11 Miss. Admin. Code Pt. 6, Ch.1.]

ACT17 (ISGP) Definitions:

T-1 BEST MANAGEMENT PRACTICES (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants to waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

T-2 CFR means the Code of Federal Regulations.

T-3 CLEAN WATER ACT (CWA) refers to the Federal Water Pollution Control Act, 33 U.S.C. section 1251 et seq.

T-4 COMMISSION means the Mississippi Commission on Environmental Quality.

T-5 CONTROL MEASURE as used in this permit, refers to any Best Management Practice or other method used to prevent or reduce the discharge of pollutants to waters of the United States.

T-6 EXECUTIVE DIRECTOR means the Executive Director of the Department of Environmental Quality.

T-7 FACILITY OR ACTIVITY means any NPDES "point source" or any other facility or activity (including land or appurtenances thereto) that is subject to regulation under the NPDES program.

T-8 INDUSTRIAL ACTIVITY means the ten (10) categories of industrial activities included in the definition of "stormwater discharges associated with industrial activity" as defined in 40 CFR 122.26(b)(14)(i)-(ix) and (xi).

T-9 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) is the division of the Clean Water Act which prohibits discharge of pollutants into waters of the United States unless a special permit is issued.

T-10 NO EXPOSURE means all industrial materials and activities are protected by a storm resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff. Industrial materials or activities include, but are not limited to, material handling equipment or activities, industrial machinery, raw materials, intermediate products, by-products, final products, or waste products.

T-11 NOTICE OF INTENT (NOI) is the mechanism used to apply for coverage under a general permit.

ACT17 (continued):

T-21 STORMWATER DISCHARGE ASSOCIATED WITH INDUSTRIAL ACTIVITY means the discharge from any conveyance which is used for collecting and conveying stormwater and which is directly related to manufacturing, processing or raw materials storage at an industrial plant. The categories considered to be engaging in "industrial activity" are in 40 CFR 122.26 (b) (14) (i - xi).

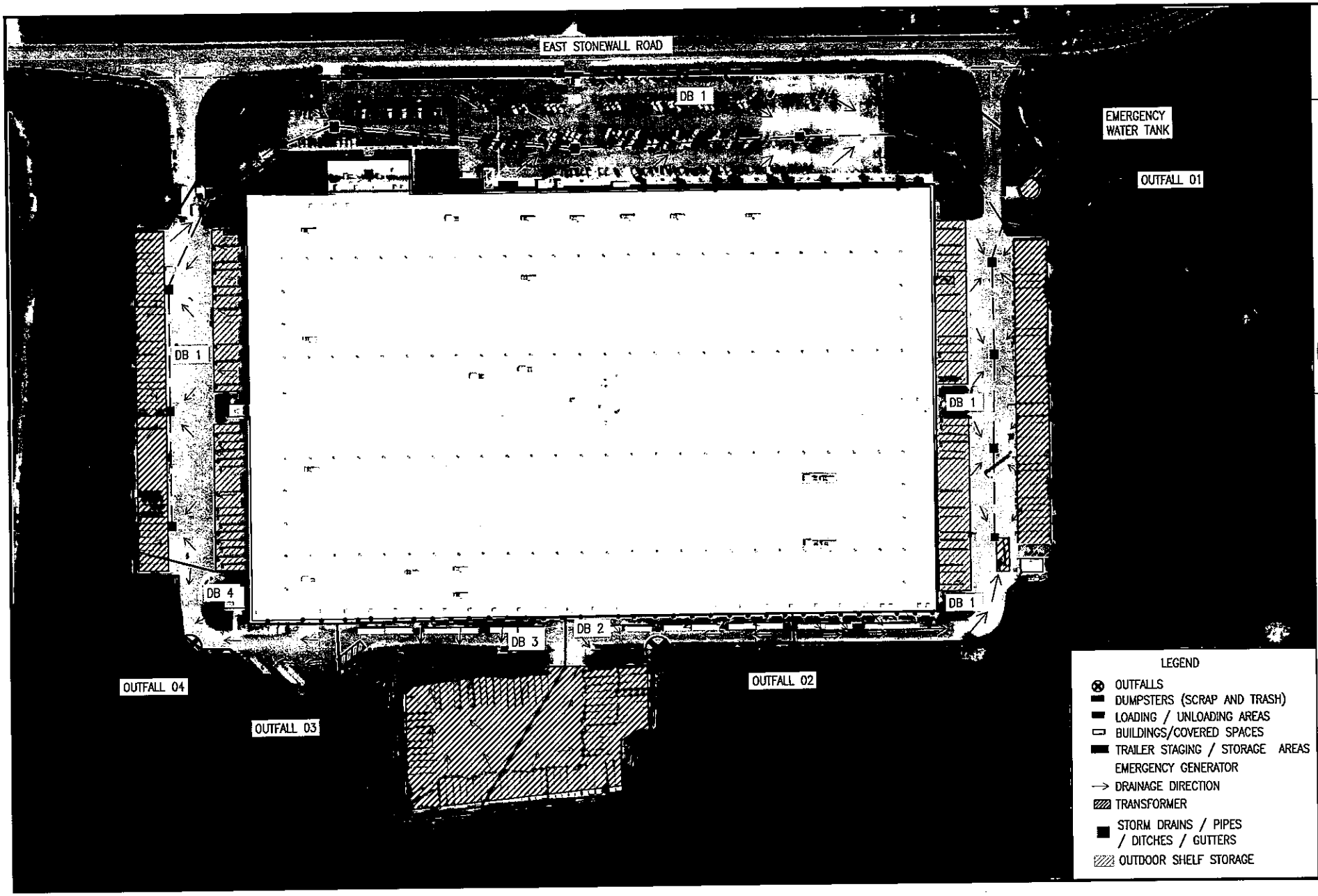
T-22 STORMWATER POLLUTION PREVENTION PLAN (SWPPP) means a plan that includes site map(s), an identification of industrial activities that could cause the discharge of pollutants to stormwater, and a description of measures or practices to control these pollutants.

T-23 TOTAL MAXIMUM DAILY LOAD (TMDL) means the maximum daily amount of a pollutant that can enter a water body so that the water body will meet and continue to meet state water quality standards.

T-24 UPSET means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the coverage recipient. 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.

T-25 WATERS OF THE STATE means all waters within the jurisdiction of this State, including all streams, lakes, ponds, wetlands, impounding reservoirs, marshes, watercourses, waterways, wells, springs, irrigation systems, drainage systems, and all other bodies or accumulations of water, surface and underground, natural or artificial, situated wholly or partly within or bordering upon the State, and such coastal waters as are within the jurisdiction of the State, except lakes, ponds, or other surface waters which are wholly landlocked and privately owned, and which are not regulated under the Federal Clean Water Act (33 U.S.C.1251 et seq.).

T-26 11 Miss. Admin. Code Pt. 6, Ch. 1. means the State of Mississippi's Wastewater Regulations for National Pollutant Discharge Elimination System (NPDES) Permits, Underground Injection Control (UIC) Permits, State Permits, Water Quality Based Effluent Limitations and Water Quality Certifications. [11 Miss. Admin. Code Pt. 6, Ch. 1.]



1" = 150'

Tioga

ENVIRONMENTAL CONSULTANTS

ABB INSTALLATION PRODUCTS, INC.
STORM WATER POLLUTION PREVENTION PLAN

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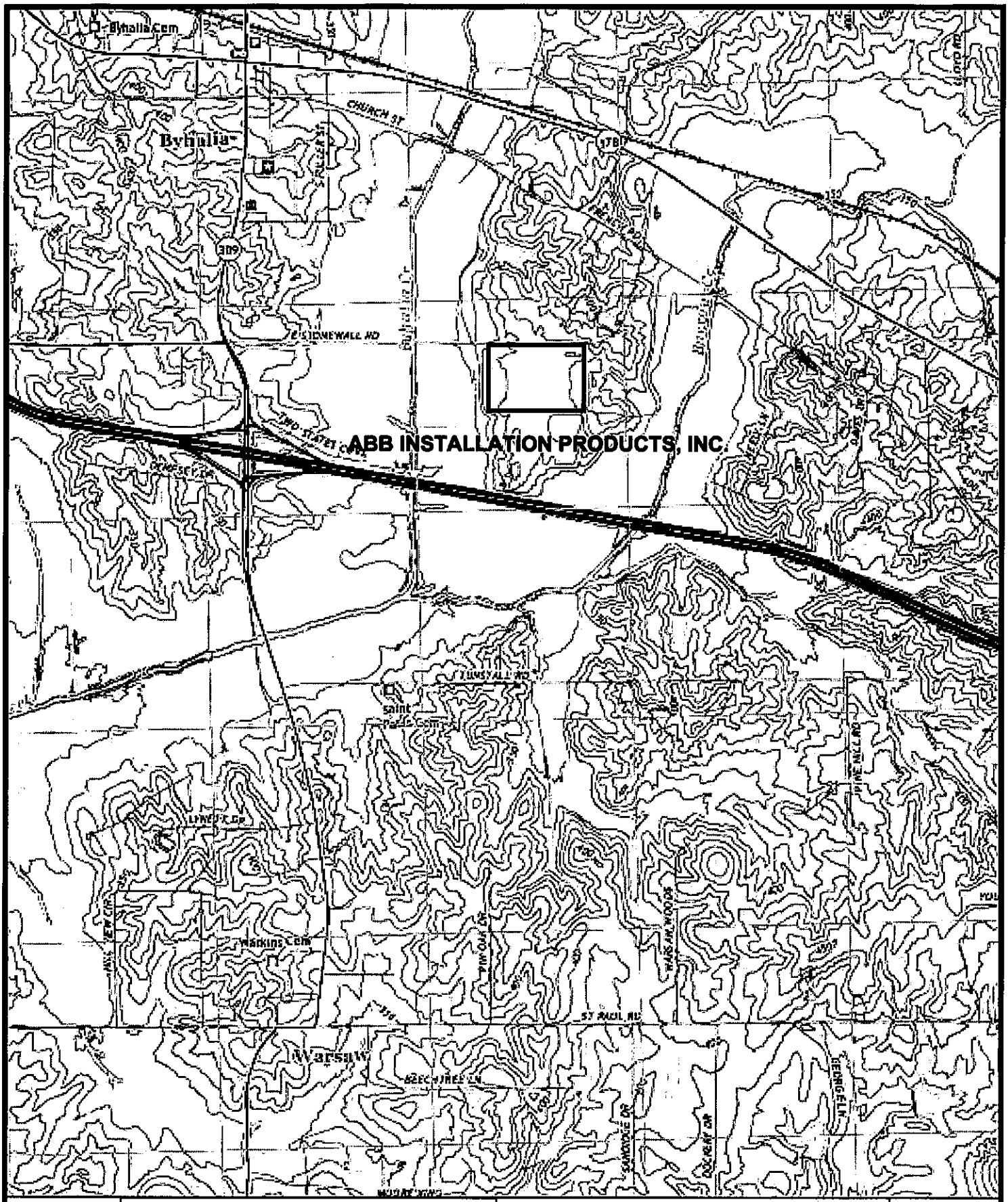
PROJECT #: 351405.00
LOCATION: 442 E. STONEWALL ROAD BYHALIA, MS
DATE: DECEMBER 2023

1



NOT TO SCALE

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ENVIRONMENTAL CONSULTANTS

ABB INSTALLATION PRODUCTS, INC.
SWPPP

DESCRIPTION: USGS TOPOGRAPHIC MAP BYHALIA, MS 2021	PROJECT #: 351405.00
LOCATION: 442 E. STONEWALL ROAD BYHALIA, MS	DATE: DECEMBER 2023

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