Storm Water Pollution Prevention Plan

Prepared for:
Delta County Airport
Escanaba, Michigan

Prepared by:
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URS Project No. 12940922

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GENERAL FACILITY INFORMATION

Name of Facility:	Delta County Airport
Facility Address:	3300 Airport Road Escanaba, Michigan 49829
Phone:	906-786-4902
Fax:	906-786-2583
Owner:	Delta County 310 Ludington Street Escanaba, Michigan 49829 906-789-5100
<u>Facility Contact:</u>	
Name:	Connie Ness
Title:	Airport Manager
Phone:	906-786-4902
Mailing Address:	3300 Airport Road Escanaba, Michigan 49829
<u>Emergency Contact:</u>	
Primary Contact:	Connie Ness
Office Phone:	906-786-4902
Cell Phone:	906-280-7558
Secondary Contact:	Kelly Smith
Cell Phone:	906-399-8673
Home Phone:	906-384-6501
Certified Storm Water Operator(s):	Connie Ness
Certification Number:	I-08157
Expiration Date:	July 1, 2011
Standard Industrial Classification (SIC) Code:	4581 (Airports, Flying Fields, and Airport Terminal Services)
North American Industrial Classification System (NAICS) Code:	488119 North American Industrial Classification System
Permit Information:	Type: (X) General ( ) Individual
Designated Name:	Delta County Airport
Permit Number:	MIS210000
Certificate of Coverage:	MIS210018
Effective Date of Coverage:	5/10/2007

Number of Storm Water Outfalls:	8
Receiving Waters	Portage Creek

1.0 Overview

1.1 Introduction

This Storm Water Pollution Prevention Plan (SWPPP) covers the operations at Delta County Airport in Escanaba, Michigan. It has been developed as required under Part I.B of Michigan's National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges (MIS210000) and in accordance with good engineering practices. A copy of the facility's Certificate of Coverage and General Permit MIS210000 are provided in Appendix A. This SWPPP describes this facility and its operations, identifies potential sources of storm water pollution at the facility, recommends appropriate best management practices (BMPs) or pollution control measures to reduce the discharge of pollutants in storm water runoff, and provides for periodic review of this SWPPP. This SWPPP became effective March 2009.

1.2 Facility Description and Drainage

The Delta County Airport is located on an approximately 918-acre plot (owned in fee by Delta County), and is bounded by Airport Road to the south, by S. Lincoln Road/M-35 to the east, and the Escanaba Wastewater Treatment Plant and a trailer park to the north. To the west the airport bisects M-5 Lane followed by vacant, open land. The site consists of the main terminal building and approximately 18 other structures associated with airport operations. These include box hangars, T hangars, storage buildings, and a maintenance building. The primary activity at the airport is corporate, transient, and local general aviation. Northwest Airlines operates commercial flights out of Delta County Airport using a Saab 340. A topographical map that shows the facility location including any major waterways is provided as Figure 1-1.

Storm water on site will tend to flow with the topography of the facility and generally into drainage ditches connected to Portage Creek. Portage Creek enters the airport from the north and flows south under the Runway 9/27 before exiting airport property. Portage Creek is approximately seven miles long and drains approximately 30 square miles, which is mostly wetland area but also includes the western portions of the City of Escanaba. The creek eventually empties into Portage Marsh, a 600-acre coastal wetland complex on the shores of Lake Michigan approximately one mile south of airport property.

Storm water flows through a series of drainage ditches and discharges through eight outfalls at the airport. Six ditches both north and south of Runway 9/27 flow into Portage Creek within the property boundaries of the airport (Outfalls 1-6). East of Runway 18/36, two other ditches drain to Portage Creek southeast of airport property (Outfalls 7-8).

Seven of the eight storm water outfalls are unlikely to discharge significant materials. These are:

- Outfalls 1 – Discharges surface runoff from a ditch along the northern boundary of airport property. The ditch enter airport property from the north after running along the sewage treatment plant and flows west before emptying into Portage Creek. This ditch is at least 100 feet from any runway and is not expected to discharge contaminated storm water.

- Outfalls 2 – Discharges storm water from a ditch located north of Runway 9/27 and south of the sewage treatment plant. The ditch has two branches that flow west where they connect and empty into Portage Creek through one outfall. One branch of the ditch enters airport property from the north after running along the east side of the nearby trailer park. It connects to another branch that flows west after originating west of Runway 18/36. This ditch receives some storm water via sheet flow from the runways; however, any runoff is unlikely to contain any oil products.

- Outfall 3 – Discharges storm water collected in a long continuous ditch that starts off site, west of Runway 9/27 and continues east along the south side of the runway before entering Portage Creek. This ditch receives storm water via sheet flow from the runway; however, any runoff is unlikely to contain any significant materials.

- Outfall 5 – Discharges storm water collected in a ditch that runs along the north side of Airport Road and flows onto airport property before emptying into Portage Creek. Any runoff from Airport Road is unlikely to contain significant materials due to the lack of regular use by airport service vehicles or local traffic.

- Outfall 6 – Discharges storm water from the ditch that runs along the southern edge of the parking lot that is also connected to Portage Creek. Storm water runoff from the parking lot may be exposed to fuels and fluids associated with the normal use of automobiles. However, any major discharge of significant materials from this outfall is unlikely.

- Outfalls 7 and 8 – Discharge storm water collected in a long ditch that begins off site and runs along the eastern boundary of airport before it connects with a smaller ditch and drains into Portage Creek south of airport property. These are the only two waterways with outfalls that are not hydrologically connected to Portage Creek on airport property. This watercourse is also unlikely to be impacted by sheet flow runoff due to the distance from Runway 18/36 (100 meters) and lack of potential contaminants.

Discharge from the remaining outfall could potentially be exposed to significant materials. This is:

- Outfall 4 – Discharges storm water from the drain south of Runway 9/27 that runs under the taxiway and along the west side of the Terminal Ramp before it flows into Portage Creek. Fuel tanks are located at the Terminal Ramp. Consequently, this area provides the greatest opportunity for oil to reach a storm drain. Storm drains located on the Terminal and General Aviation (GA) Ramps also empty into this storm water ditch.

1.3 Objectives

The goal of the storm water permit program is to improve the quality of surface waters by reducing the amount of pollutants potentially contained in the storm water runoff being discharged. As a storm water discharging facility subject to an NPDES permit, the Delta County Airport must prepare and implement a SWPPP.

The objective of this SWPPP is three-fold:

1. To identify potential sources of pollution at Delta County Airport;

2. To describe best management practices (BMPs) which are to be used at the airport; and

3. To provide other elements such as, but not limited to, a facility inspection program, site compliance evaluation program, and record keeping and reporting program that will help Delta County Airport comply with the terms and conditions of their storm water discharge permit.

1.4 Plan Evaluation and Update

The SWPPP will be annually reviewed. Written summaries of the review will be maintained. The SWPPP will be amended as needed to ensure compliance with the terms and conditions of the General Permit.

The SWPP will be updated or amended whenever changes or spills at the facility increase or have the potential to increase the exposure of significant materials to storm water, or when the SWPPP is determined by the Delta County Airport management or the appropriate Michigan Department of Environmental Quality (MDEQ) District Supervisor to be ineffective in achieving the general objectives of controlling pollutants in storm water discharges associated with industrial discharge. Updates based on increased activity or spills at the facility shall include a description of how the airport intends to control any new sources of significant materials or respond to and prevent spills in accordance with the General Permit. Amendments and updates will be signed and retained with the SWPPP.

2.0 Storm Water Pollution Prevention Team

The storm water pollution prevention team is responsible for developing, implementing, maintaining, and revising this SWPPP. The members of the team are familiar with the management and operations of Delta County Airport.

The members of the team and their primary responsibilities are as follows:

Name & Title	Responsibility
Connie Ness Airport Manager SWPPP Team Leader	Implement and maintain SWPPP, submit reports, evaluate the effectiveness of the SWPPP and direct revisions to the SWPPP (annual compliance evaluation), Certified Storm Water Operator, testing for non-storm water discharges
Kelly Smith Assistant Airport Manager	Assist the SWPPP Team Leader with implementation of the SWPPP, review inspection records, meet with SWPPP Team Members, employee training, conduct inspections, fill the role of team coordinator when necessary, risk identification, and employee awareness and training.

3.0 Site Map

Figure 3-1 presents a map of the facility showing the following features (as required by the permit):

- Property boundaries;
- Buildings and other permanent structures;
- Storage or disposal areas for significant materials;
- Storm water discharge outfalls;
- Outlines of drainage areas contributing to each outfall;
- Location of NPDES permitted discharges other than storm water; N/A
- Structural runoff controls and storm water treatment facilities;
- Areas of vegetation;
- Areas of exposed and/or erodible soils; N/A
- Impervious surfaces (roof tops, asphalt, concrete);
- Names and locations of receiving waters;
- Areas of known or suspected impacts on surface waters as designated under part 201 of the natural resources and environmental protection act of 1994, public act 451 (formerly act 307); N/A
- Locations where the following activities are exposed to storm water:
  - fixed fueling operations;
  - vehicle and equipment maintenance and/or cleaning areas; NA
  - loading/unloading areas;
  - waste storage or disposal areas;
  - liquid storage tanks;
  - equipment operating areas; NA and
  - storage areas; and
- Any other areas deemed appropriate.

4.0 Significant Materials

The permit requires a general inventory of significant materials on site. For each significant material on site, an evaluation has been conducted to determine the potential for these materials to be contributed to the runoff being discharged from the facility.

4.1 Inventory of Exposed Materials

Significant materials for the facility are summarized in the following table.

Material	Container(s)	Volume (gal)	Quantity	Location	Exposure Method	Outfall(s)	Owner
Jet A Fuel	AST	15,000	1	Terminal Ramp	Spills/leaks	4	Delta Co.
100LL Fuel	AST	12,000	1	Terminal Ramp	Spills/leaks	4	Delta Co.
Gasoline	AST	1,000	1	Terminal Ramp	Spills/leaks	4	Delta Co.
Diesel Fuel	AST	1,000	1	Terminal Ramp	Spills/leaks	4	Delta Co.
New Oil	Drums	55	4	SRE	NA	NA	Delta Co.
Used Oil	Tank	250	1	Sand Storage Building	NA	NA	Delta Co.
Waste Jet Fuel	Plastic Tote	275	1	Sand Storage Building	NA	NA	Delta Co.
Waste Jet Fuel	Drum	55	1	Inside of FedEx Hangar	NA	NA	FedEx
Diesel Fuel	AST	160	1	Emergency Generator	Spills/leaks	4	Delta Co.
Propylene Glycol	Plastic Totes	275	2	West of Sand Storage Building	Leaks	4	Midwest
Propylene Glycol	Portable Tank	400	1	West of SRE	Leaks	4	Midwest
Propylene Glycol	Tank	1,800	1	East of Terminal	Leaks	4	Northwest
Propylene Glycol	Portable Tank	110	1	Inside of FedEx Hangar	NA	NA	FedEx
Propylene Glycol	Drums	55	2	Inside of FedEx Hangar	NA	NA	FedEx
Propylene Glycol	Drums	55	2	Inside of FedEx Hangar	NA	NA	Delta Co.
Various Garbage	Dumpster	-	1	Terminal Ramp	Leaks	4	Delta Co.
Jet A Fuel	Fuel Truck	2,000	1	Terminal Ramp	Spills/leaks	4	Delta Co.
Fuel/ Vehicle Fluids	Vehicles	-	-	Airport Property	Leaks	1 - 8	Delta Co.
Sand	-	-	-	Runways/ taxiways	Direct Contact	1 - 8	Delta Co.

- SRE = Snow Removal Equipment and Crash Building

4.2 Description of Industrial Activities and Storage Areas

Fuel Storage Tanks

The Delta County Airport has four fuel storage tanks located in the Terminal Ramp area where most of the refueling activities are completed. A 15,000-gallon aboveground storage tank (AST) containing Jet A fuel is northwest of the terminal. A 2,000-gallon fuel truck is used to transfer the fuel from the tank to the aircrafts. West of the jet fuel tank are two 1,000-gallon ASTs. One contains diesel fuel, while the other contains unleaded gasoline. West of the Terminal Ramp is a 12,000 gallon aboveground 100LL fuel tank. Aircraft refueling is performed in the Terminal Ramp area through the use of the fuel truck for Jet A Fuel or directly from the tank for 100LL. This gives the nearby storm drains the greatest opportunity to be impacted by contaminated storm water. The storm drains are connected to the Terminal Ramp drainage ditch. All the tanks are made of steel construction and the Jet A and 100LL tanks are double-walled for safety purposes. There is no secondary containment for the 1,000 gallon tanks.

An emergency generator is located west of the Terminal Building and contains a 160-gallon tank with diesel fuel. Housed within the generator, the "belly" tank does not come in contact with storm water. There is a liquid level gauge present to assist with filling the tank and loading of the tank only occurs on an as needed basis.

Propylene Glycol

Propylene glycol is used for deicing activities by Delta County Airport, FedEx, and Northwest. This non-toxic deicing material is expected to biodegrade when released into water and not affect water quality. Due to the use proper deicing management practices by Delta County Airport, storm water and Portage Creek has not been affected by deicing activities, as shown in past storm water sampling.

Delta County Airport only uses small quantities of propylene glycol to deice hangar doors. It does not currently deice planes.

Aircraft deicing is performed by FedEx. This non-toxic anti-ice agent is stored in a 110-gallon portable tank and applied directly to planes only in the Terminal Ramp and GA Ramp areas. The tank is stored in a hangar when not in use. The storm ditch nearest the Terminal Ramp and any nearby storm drains (which lead to the Terminal Ramp ditch); therefore have the potential to be impacted by contaminated storm water. Since this tank is portable, it is not depicted on Figure 3-1.

Northwest also deices its Saab 340 airplane when needed. With its flight schedule, the plane may require deicing up to three times a day. Deicing occurs on the Terminal Ramp directly north of the terminal. The propylene glycol is stored in a 1,800-gallon tank east of the terminal building. The tank has secondary containment with a capacity of 1,200 gallons. For precautionary reasons, the maximum amount of propylene glycol that will be stored in the tank is 1,200 gallons.

Midwest Airlines, which formerly provided commercial service at Delta County Airport, owns a 400-gallon portable tank and two 275-gallon storage containers. The tank is located west of the SRE and Crash Building, while the containers are west of the Sand Storage Building. Since this

tank is also portable, it is not depicted on Figure 3-1. The tank and containers are not currently in use.

Other Materials

No fertilizers, salt, or deicers are used on the runways, taxiways, or open areas of the airport. Commercial herbicides are used around runway lights annually and sand is occasionally used on the runways and taxiways during the winter. Sand used for road management also is a possible pollutant in storm water runoff from the airfield. The amount of sand in the storm water runoff would be minimal and generally settle or filter out when flowing over grassy areas.

4.3 List of Past Spills and Leaks

The permit requires a listing of oil and other polluting materials that have been spilled or leaked over the three years prior to the completion of the plan be included in the plan. The date, volume of materials, the exact location of each release, and the actions taken to clean up the materials and/or prevent exposure of the materials to storm water runoff or contamination of surface waters of the state should also be recorded.

No reportable spill/release incident has occurred at the airport in the past three years.

4.4 Summary of Sampling Data

A storm water runoff study was performed by Cory Laboratories of Menominee, Michigan for the NPDES storm water discharge permit in 1991. The report was submitted to the MDEQ. A copy of the report is maintained by the Airport Manager in the environmental files.

5.0 Best Management Practices

Storm water management controls, or best management practices (BMPs), have been implemented to reduce the amount of pollutants in storm water discharged from Delta County Airport. The permit requires that the following categories of BMPs to be considered, and selected where applicable.

5.1 Non-Structural Controls

Non-structural controls are practices that are specifically intended to reduce the amount of pollution getting into surface waters. They are generally implemented to address the problem at the source. They do not require any structural changes to the facility. The following Non-Structural Controls have been selected for implementation.

Preventative Maintenance

Preventative Maintenance involves the regular inspection, testing, and cleaning of facility equipment and operational systems. These inspections will help to uncover conditions which might lead to a release of materials. Thus, allowing for maintenance to prevent such a release.

Delta County Airport has an inspection and monitoring program for material storage areas, fueling areas, and fuel truck. These are inspected by airport maintenance and the results are recorded on an inspection record provided in Appendix B. Any abnormalities will be immediately reported to and documented by management so that proper action can be taken.

The airport also performs preventative maintenance inspections of the industrial areas exposed to storm water. These include drainage ditches, vegetative buffer strips, the Terminal Ramp area, and outfalls. Inspections are conducted, at a minimum, once every two weeks (biweekly) or as soon as possible after a significant storm event. Based on these observations and inspections, equipment can be repaired, procedures can be changed, and potential incidents can be avoided. An example of a Routine Maintenance Inspection Form is provided in Section 7.3

The following equipment/activities are included in the preventative maintenance program.

Location	Equipment/Area	Tasks	Frequency
Terminal Ramp	Storage Tanks	Inspection	Daily
Terminal Ramp	Portable Glycol Tanks and Containers	Inspection	Biweekly, after significant storm event
Runways/Taxiways	Drainage Ditches	Inspection	Biweekly, after significant storm event
Portage Creek	Outfalls	Inspection	Biweekly, after significant storm event
Terminal	Dumpster	Inspection	Biweekly
Terminal	Generator	Inspection	Biweekly
Airport Property	Planes, Fuel Truck, and Vehicles	Inspection	Ongoing

Semi-Annual Comprehensive Inspections

Comprehensive inspections of the facility (equipment, drainage areas, and structural controls) are required by the General Permit. These inspections must occur at least once every six months (typically March and September). Records of the inspections are kept on file with the SWPPP.

During the semi-annual comprehensive inspection, the outfalls will be checked for non-storm water discharges (dry weather test) and abnormal conditions. Structural controls, such as, drainage ditches and containment areas will be inspected. The inspector will indicate if corrective actions are needed. A copy of the Semi-annual Comprehensive Inspection Log is provided in Section 7.3.

Good Housekeeping Practices

Good housekeeping practices are designed to maintain a clean and orderly work environment. Often the most effective first step in preventing critical materials from mixing with storm water is by improving facility housekeeping practices. Housekeeping is a continuous process and there is an expectation that all personnel employ good housekeeping practices continually.

The following practices are included in Delta County Airport's good housekeeping routine.

Location	Equipment/Area	Tasks	Frequency
Terminal Ramp	Fuel Tanks/Fueling Areas	Removing spillage, periodic inspections	Ongoing
Terminal Ramp GA Ramp	Deicing Equipment	Removing spillage, periodic inspections	Ongoing
Terminal	Dumpsters	Removing spillage, periodic inspections	Ongoing

Deicing Procedures

Airport personnel follow these procedures when performing deicing activities:

- Mechanical methods for dry snow removal are used rather than applying chemicals;
- Deicing takes place north of the terminal where the nearby catch basin is temporarily sealed by a drain cover, which prevents deicing fluid and storm water runoff from reaching a storm water conveyance;
- The proper amount deicing/anti-icing chemical is used by following recommendations from the manufacturer and properly maintaining spreading equipment;
- Any excess deicing fluid, contaminated storm water, or contaminated snow will be removed from around the catch basin before the drain cover is removed to prevent the discharge of pollutants; and
- Snow in the deicing area that has been exposed to deicing fluid will be removed from the apron and stored away from storm water conveyances.

This reduces unnecessary or over-application of chemicals. Discharge of deicing fluid into waterways is eliminated by covering the nearby catch basin with a drain cover and through the

proper management of contaminated snow and storm water. These management practices have been used in the past and storm water sampling has shown that the deicing activities at Delta County Airport have no significant impact on storm water and surface water quality.

Plane Washing Procedures

Airport personnel and tenants will follow these procedures while washing aircraft:

- Wash area northeast of terminal where there are no catch basins and no soap or storm water runoff could reach a storm water conveyance;
- Use the least amount soap and water possible while washing aircraft; and
- Use non-phosphate detergent whenever possible.

Plane washing occurs infrequently with no set schedule. On average, approximately 12 planes are washed per year using the above procedures. These procedures reduce unnecessary or over-application of soap and avoid exposure of wash water to storm drains and drainage ditches.

Spill Prevention and Response Procedures

Spills and leaks together are the largest industrial source of storm water pollution. Thus, this SWPPP specifies material handling procedures and storage requirements for significant materials. In the event of a spill, personnel are trained to respond in a safe and effective manner. An employee may determine that a spill or release has occurred through obvious visible signs, such as a substance on the ground or leaking out of a container, a visible sheen on the water, and/or through odor detection. While maintaining personal safety, the immediate objectives are stopping the release of the oil and containing the release to prevent its migration to a pathway off the property. Any storm drains in the immediate vicinity will be covered. Personal protective equipment shall be worn during all spill response efforts.

For small spills, all pollutants are to be recovered and stored in drums for proper disposal. In the event of a large spill, sand from the sand storage building is to be used to contain the spill using the front-end loader, if necessary. If a spill were to reach the Terminal Ramp storm drain, sand should be used to block the exit of the drain before it enters Portage Creek. Storm drains should also be protected from spills using absorbent material. Contaminated sand should be stored in empty drums or segregated in the sand storage building until proper disposal can be arranged.

More detailed procedures and the necessary equipment for cleaning up spills and preventing the spilled materials from being discharged have been identified in the Spill Prevention, Control, and Countermeasures (SPCC) Plan. Also included in the SPCC are detailed emergency response and notification procedures. All employees have been made aware of the proper procedures.

Sedimentation Control Measures

Although erosion has not generally been a problem on airport property, certain areas around the drainage ditches and outfalls could become prone to soil erosion, such as slopes and non-paved areas. These areas need to be inspected and protected so soil is kept out of the storm water and sedimentation of watercourses is avoided. Erosion from storm water may be detected in any of the following ways:

- During the semi-annual comprehensive inspection of storm water areas conducted by the Storm Water Operator;
- During the biweekly routine preventative maintenance inspection of storm water areas conducted by the Storm Water Operator; and
- By other individuals working in the area trained on storm water management practices.

If erosion is detected it is to be reported to the Certified Storm Water Operator. The Storm Water Operator will assess the erosion and develop an appropriate repair and control plan specific to the erosion identified. Erosion control and stabilization techniques may include:

- Installing silt fence or hay bales;
- Use of Construction Barriers to limit ingress and egress to prevent vehicles from destroying vegetation;
- Vegetative establishment practices. Depending on the severity of the erosion, repair may include re-grading and applying more topsoil and seed. These practices include soil management for optimum growing conditions, proper site preparation and seeding and/or seeding with mulch. Tree and vegetation will be protected for stabilization where necessary;
- Staging and scheduling techniques during work to maximize the areas that are undisturbed and to account for seasonal seed application;
- Grading practices such as "tracking" with a bull dozer up and down a slope;
- Runoff control practices; and
- Stream Bank Stabilization or Slope/Shoreline BMPs.

Employee Training

Storm water awareness should be addressed in any generalized employee training. This training should emphasize good housekeeping practices as it pertains to storm water pollution prevention. Job-specific storm water training should be conducted for spill response, material management practices including the use of deicing materials, and storm water practices to inform appropriate personnel at all levels of responsibility including emergency services and security personnel, fuel and deicing services personnel, and operations personnel. Designated employees should receive training on the role the SWPPP plays in preventing pollution, how to effectively inspect and maintain structural controls, what is an abnormal condition, identifying erosion, properly handling and storage of materials, and what to do if a problem is identified.

All new employees at Delta County Airport will receive storm water training, additionally; each existing employee will receive annual refresher training. This storm water training will be documented in the employee training records. An example training record form is included in Section 7.3

TMDL Requirements

The Total Maximum Daily Load (TMDL) is the amount of pollutant a water body can assimilate and still meet water quality standards. If a receiving water body does not meet the water quality standards for a specific pollutant, the MDEQ will establish the appropriate daily maximum load for that contaminant to allow the water body to meet water quality standards. If a permitted

facility is expected to discharge that specific pollutant to the water body, the SWPPP must identify the level of controls needed to comply with the pollutant's TMDL and an estimate of the current annual load of the material via storm water discharges to the receiving water body.

According to the MDEQ website, there are no TMDL requirements for Portage Creek.

List of Significant Materials Still Present

After the implementation of the non-structural controls, the potential for fuel, propylene glycol, or other significant materials at the facility to impact storm water is minimal. Any remaining risk is addressed through the use of structural controls.

5.2 Structural Controls

Structural control measures are necessary to control any pollutants that are still present in the storm water after the non-structural controls have been implemented. These types of controls are physical features that control and prevent storm water pollution. They can range from preventative measures to collection structures to treatment systems. Structural controls require construction of a physical feature or barrier. There currently are no additional structural controls needed beyond those already in place.

Preventative Measures

Preventative measures are controls that are intended to prevent the exposure of storm water to contaminants. The following preventative measures have been chosen for Delta County Airport.

Area	Material	Control Measure
All	Security Fences	Restricts access by unauthorized personnel
All	Lighting	Facilitates inspections and identification of spills
East Gate	Security Card	Restricts access by unauthorized personnel
Jet A Tank	Access Key	Restricts use by unauthorized personnel

The airport property is surrounded on all sides by security fencing with locked or guarded access gates. There are two access gates at the Airport located east and west of the terminal. The gate west of the terminal is accessible by only approved airport personnel through the use of a security card. Airport personnel can also allow access or "buzz in" approved visitors through this gate when the Airport is open. The hours of operation at Delta County Airport are 0600-2200 hours. Private pilots have 24 hour access through the east gate with the use of a separate security card. Lighting is also located in key areas to aid in discharge discovery and protect against vandalism or terrorism.

Use of the 15, 000-gallon Jet A fuel tank is controlled at all times. A key is required to energize the control panel. Once energized, four manual valves must be opened before the fuel is dispensed. The control panel access key is only carried by authorized personnel who are required to be present when the fuel dispenser is in use. To use the 12,000 gallon 100LL tank, a credit card or access key is required to begin fueling.

Diversions

Diversion practices are structures (including grading and paving) that are used to divert storm water away from high risk areas and prevent contaminants from mixing with the runoff, or to channel contaminated storm water to a treatment facility or containment area. The following areas are to be protected through the use of diversion structures at the airport.

Area	Material	Control Measure
Parking Lot	Sloped Pavement	Conveyance of storm water runoff
Parking Lot	Curbing	Conveyance of storm water runoff
All	Drainage Ditches	Conveyance of storm water

Other Controls

Other control measures that are used at Delta County Airport are listed in the following table.

Area	Material	Control Measure
15,000 gallon AST	Jet A Fuel	Double-walled containment
12,000 gallon AST	100 LL Fuel	Double-walled containment
1,800 gallon AST	Propylene Glycol	Secondary Containment
Around runways, taxiways, ramps, and other paved areas	Vegetation	Reduces suspended solids which could be discharged through the outfalls

6.0 Non-Storm Water Discharges

The General Permit requires that all discharge locations be evaluated for the presence of non-storm water discharges. Any unauthorized storm water discharges must be eliminated, or covered under another National Pollutant Discharge Elimination System (NPDES) permit. The following is a list of non-storm water discharges authorized under the general permit:

- fire fighting activities;
- fire hydrant flushing;
- potable water sources including waterline flushing;
- irrigation drainage;
- lawn watering;
- uncontaminated ground water;
- foundation or footing drains;
- building wash down where no detergents were used;
- air conditioning condensate; and
- dust control spraying.

Non-storm water discharges that could potentially exist at the airport include periodic flushing of the fire hydrants and the minor discharge of air conditioning condensate. Periodic inspections of airport property should be made to determine if the status of non-storm water discharges has changed, especially when there is new construction or major changes in airport operating procedures. Evaluation results should be maintained at the airport and can be recorded on the Non-Storm Water Inspection Report provided in Section 7.3.

CERTIFICATION OF EVALUATION OF NON-STORM WATER DISCHARGES

I certify under penalty of law that the storm water drainage system in this SWPPP has been tested or evaluated for the presence of non-storm water discharges either by me, or under my direction and supervision. To the best of my knowledge and belief, the information submitted is true, accurate, and complete. And at the time this plan was completed no unauthorized discharges were present. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

_____ _____
(Signature) (Date)

_____ _____
(Printed Name) (Title)

7.0 Record Keeping and Reporting

The permit requires that records of all preventative maintenance inspections, the semi-annual comprehensive site inspections, records of employee training sessions, and the annual review be retained at Delta County Airport for at least three years. It is recommended that they be kept for at least three years after the permit coverage expires.

These records must be made available, upon request, to a representative of the MDEQ. In the case of facilities which discharge storm water to a separate municipal storm sewer system, the records must also be made available to the operator of the municipal system.

7.1 Annual Review

The permit requires that Delta County Airport prepare an annual report discussing the effectiveness of the SWPPP. This report should include any changes that have been made, the reason for the changes, any spills that occurred, what actions were taken as result of the spill, inspection results, and any other information relevant to the SWPPP. The annual report is to be retained on site. It does not need to be submitted to the MDEQ.

7.2 Certified Operator Update

The General Permit requires that if the certified operator is changed or an additional certified operator is added, the permittee shall provide the name and certification number of the new certified operator to the MDEQ. The new operator shall review and sign the SWPPP.

7.3 Sample Record Keeping and Reporting Forms

The following pages contain sample forms for the record keeping and reporting associated with the SWPPP. The following forms are examples; they are not required to be used by Delta County Airport.

- Record of Plan Revisions;
- Routine Maintenance Inspection Form;
- Comprehensive Inspection Log;
- Spill or Release Report;
- Non-Storm Water Inspection Report; and
- Employee Training Record.

Record of Plan Revisions

Date of Revision	Version Number	Author of Revision	Modifications	Revision Authorized By	Revision Approved By
March 1996	1	Delta County Airport	Created original document.	Connie Ness	Connie Ness
March 2009	2	URS Corporation	Revised entire document and existing map. Added new map, tables, and inspection sheets.	Connie Ness	Connie Ness

ROUTINE MAINTENANCE STORM WATER INSPECTION FORM

(Once Every Two Weeks)
DELTA COUNTY AIRPORT

Inspection Date: _____ Time: _____

Name of Inspector(s): _____

Manager of SWPPP (signature): _____

Weather Conditions: _____

Checklist for walk-through visual preventative maintenance inspections

Y/N/NA

_____ 1. Inspect outfalls for any non-storm water discharges.

_____ 2. Inspect Portage Creek, ditches, and wetlands for abnormal conditions

_____ 3. Inspect grassy areas making sure they are clean, properly landscaped, and have no signs of stressed vegetation.

_____ 4. Evaluate areas of existing erosion, erosion protection, or erosion susceptible areas.

_____ 5. Inspect Terminal Ramp area for any spilled or excess fuel or propylene glycol.

_____ 6. Inspect any tanks, containers or equipment for leaks, damage, or malfunctions.

_____ 7. Evaluate good housekeeping practices on site.

_____ 8. Inspect property boundaries and evaluate current security measures.

_____ 9. Inspect all signs, labels, and safeguards.

Major Observations from Checklist: _____

_____

_____

Actions Taken: _____

_____

_____

COMPREHENSIVE INSPECTION FORM

(Once Every Six Months)
DELTA COUNTY AIRPORT

Inspection Date: _____ Time: _____

Name of Inspector(s): _____

Manager of SWPPP (signature): _____

Weather Conditions: _____

Checklist for visual comprehensive inspections

Y/N/NA

_____ 1. Maintain all non-structural controls on outfalls and drainage ditches.

_____ 2. Evaluate good housekeeping practices on site.

_____ 3. Inspect property boundaries and evaluate current security measures.

_____ 4. Inspect all signs, labels, and safeguards.

_____ 5. Inspect grassy areas making sure they are clean, properly landscaped, and have no signs of stressed vegetation.

_____ 6. Evaluate areas of existing erosion, erosion protection, or erosion susceptible areas.

_____ 7. Evaluate record keeping and reporting.

_____ 8. Evaluate spill prevention and response procedures.

_____ 9. Evaluate employee training

Major Observations from Checklist: _____

_____

_____

_____

COMPREHENSIVE INSPECTION FORM (continued)

Checklist for walk-through of sensitive areas

Area	Stains (y/n)	Oil Sheen (y/n)	Solids/Foam (y/n)	Odors (y/n)	Color/ Clarity	Abnormal Conditions (y/n)
Outfalls						
Portage Creek						
Drainage Ditches						
Wetlands						
Deicing Areas						
Fueling Areas						
Storage Tanks						

Major Observations from Checklist: _____

_____

_____

_____

Corrective Actions: _____

_____

_____

_____

Implementation Schedule for Corrective Actions: _____

_____

_____

_____

I certify that a comprehensive evaluation was conducted in accordance with NPDES Permit MIS210000. Unless otherwise noted above, the inspected areas are in compliance with the requirements of the SWPPP.

_____

Inspector's Signature Date

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

SPILL OR RELEASE REPORT

NOTE: Some regulations require a specific form to use and procedures to follow when reporting a release. Those forms and procedures **MUST** be used and followed if reporting under those regulations. This report form is to aid persons reporting releases under regulations that do not require a specific form. This report form is not required to be used. **To report a release, some regulations require a facility to call the PEAS Hotline at 800-292-4706, or DEQ District Office that oversees the county where it occurred, and other regulating agencies and provide the following information. A follow-up written report may be required. Keep a copy of this report as documentation that the release was reported. If you prefer to submit this report electronically by FAX or e-mail, contact the regulating agency for the correct telephone number or e-mail address.** See the DEQ website on Spill/Release Reporting for more reporting information.

Please print or type all information.

NAME AND TITLE OF PERSON SUBMITTING WRITTEN REPORT

TELEPHONE NUMBER (provide area code)

NAME OF BUSINESS

STREET ADDRESS

CITY | **STATE** | **ZIP CODE**

BUSINESS TELEPHONE NUMBER (provide area code)

RELEASE LOCATION (provide address if different than business, if known, and give directions to the spill location. Include nearest highway, town, road intersection, etc.)

SITE IDENTIFICATION NUMBER AND OTHER IDENTIFYING NUMBERS (if applicable)

COUNTY | **TOWNSHIP** | **TIER/RANGE/SECTION (if known)**

RELEASE DATA. Complete all applicable categories. Check all the boxes that apply to the release. Provide the best available information regarding the release and its impacts. Attach additional pages if necessary.

DATE & TIME OF RELEASE (if known)

____/____/____

_____am/pm

DATE & TIME OF DISCOVERY

____/____/____

_____am/pm

DURATION OF RELEASE (if known)

_____ days

_____ hours

_____ minutes

TYPE OF INCIDENT

- ☐ Explosion
- ☐ Fire
- ☐ Leaking container
- ☐ Loading/unloading release
- ☐ Pipe/valve leak or rupture
- ☐ Vehicle accident
- ☐ Other _____

MATERIAL RELEASED (Chemical or trade name)

☐ **CHECK HERE IF ADDITIONAL MATERIALS LISTED ON ATTACHED PAGE.**

CAS NUMBER or HAZARDOUS WASTE CODE

ESTIMATED QUANTITY RELEASED (indicate unit e.g lbs, gals, cu ft or yds)

PHYSICAL STATE RELEASED (indicate if solid, liquid, or gas)

FACTORS CONTRIBUTING TO RELEASE

- ☐ Equipment failure
- ☐ Operator error
- ☐ Faulty process design
- ☐ Training deficiencies
- ☐ Unusual weather conditions
- ☐ Other _____

SOURCE OF LOSS

- ☐ Container
- ☐ Railroad car
- ☐ Pipeline
- ☐ Ship
- ☐ Tank
- ☐ Tanker
- ☐ Truck
- ☐ Other _____

TYPE OF MATERIAL RELEASED

- ☐ Agricultural: manure, pesticide, fertilizer
- ☐ Chemicals
- ☐ Flammable or combustible liquid
- ☐ Hazardous waste
- ☐ Liquid industrial waste
- ☐ Oil/petroleum products or waste
- ☐ Salt
- ☐ Sewage
- ☐ Other_____
- ☐ Unknown

MATERIAL LISTED ON or DEFINED BY

- ☐ CAA Section 112(r) list (40 CFR Part 68)
- ☐ CERCLA Table 302.4 (40 CFR Part 302)
- ☐ EPCRA Extremely Hazardous Substance (40 CFR Part 355)
- ☐ Michigan Critical Materials Register or permit
- ☐ NREPA Part 31, Part 5 Rules polluting material
- ☐ NREPA Part 111 or RCRA hazardous waste
- ☐ NREPA Part 121 liquid industrial waste
- ☐ Other list _____
- ☐ Unknown

IMMEDIATE ACTIONS TAKEN

- ☐ Containment
- ☐ Dilution
- ☐ Evacuation
- ☐ Hazard removal
- ☐ Neutralization
- ☐ System shut down
- ☐ Diversion of release to treatment
- ☐ Decontamination of persons or equipment
- ☐ Monitoring
- ☐ Other _____

RELEASE REACHED

Distance from spill location to surface water, in feet_____

- ☐ Surface waters (include name of river, lake, drain involved) _____
- ☐ Drain connected to sanitary sewer (include name of wastewater treatment plant and/or street drain, if known) _____
- ☐ Drain connected to storm sewer (include name of drain or water body it discharges into, if known) _____
- ☐ Groundwater (indicate if it is a known or suspected drinking water source and include name of aquifer, if known) _____

_____

- ☐ Soils (include type e.g. clay, sand, loam, etc.) _____
- ☐ Ambient Air
- ☐ Spill contained on impervious surface

THIS IS A MASTER COPY. PLEASE MAKE COPIES AS NEEDED.

EXTENT OF INJURIES, IF ANY	WAS ANYONE HOSPITALIZED?	TOTAL NUMBER OF INJURIES TREATED ON-SITE:
	☐ Yes NUMBER HOSPITALIZED:____ ☐ No	_____

DESCRIBE THE INCIDENT, THE TYPE OF EQUIPMENT INVOLVED IN THE RELEASE, HOW THE VOLUME OF LOSS WAS DETERMINED, ALONG WITH ANY RESULTING ENVIRONMENTAL DAMAGE CAUSED BY THE RELEASE. IDENTIFY WHO IMMEDIATELY RESPONDED TO THE INCIDENT (own employees or contractor — include cleanup company name, contact person, and telephone number). ALSO IDENTIFY WHO DID FURTHER CLEANUP ACTIVITIES, IF PERFORMED OR KNOWN WHEN REPORT SUBMITTED

☐ **CHECK HERE IF DESCRIPTION OR ADDITIONAL COMMENTS ARE INCLUDED ON ATTACHED PAGE**

ESTIMATED QUANTITY OF ANY RECOVERED MATERIALS AND A DESCRIPTION OF HOW THOSE MATERIALS WERE MANAGED (include disposal method if applicable)

☐ **CHECK HERE IF DESCRIPTION OR ADDITIONAL COMMENTS ARE INCLUDED ON ATTACHED PAGE**

ASSESSMENT OF ACTUAL OR POTENTIAL HAZARDS TO HUMAN HEALTH (include known acute or immediate and chronic or delayed effects, and where appropriate, advice regarding medical attention necessary for exposed individuals.)

☐ **CHECK HERE IF DESCRIPTION OR ADDITIONAL COMMENTS ARE INCLUDED ON ATTACHED PAGE**

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY NOTIFIED:

INITIAL CONTACT BY: ☐ **Telephone** ☐ **Fax** ☐ **Email** ☐ **Other**

DATE/TIME INITIAL CONTACT:_____

☐ PEAS: 800-292-4706 Log Number Assigned _____

☐ DEQ District or Field Office

		Divisions or Offices Contacted:
☐ Baraga	☐ Gwinn	☐ Air Quality
☐ Bay City	☐ Jackson	☐ Land & Water Management
☐ Cadillac	☐ Kalamazoo	☐ Office Geological Survey
☐ Crystal Falls	☐ Lansing	☐ Remediation and Redevelopment
☐ Detroit	☐ Newberry	☐ Waste and Hazardous Materials
☐ Gaylord	☐ Warren	☐ Water Bureau
☐ Grand Rapids	☐ Wyoming	

DEQ Office locations are subject to change

NAME AND TITLE OF PERSON MAKING INITIAL REPORT:

_____

DEQ STAFF CONTACTED & PHONE NUMBER:

_____

_____

OTHER ENTITIES NOTIFIED:

	Date:	Time:
☐ National Response Center (NRC): 800-424-8802	_____	_____
☐ US Coast Guard Office: ☐ Detroit ☐ Grand Haven ☐ Sault Ste. Marie	_____	_____
☐ US Department of Transportation	_____	_____
☐ US Environmental Protection Agency	_____	_____
☐ 911 (or primary public safety answering point)	_____	_____
☐ Local Fire Department	_____	_____
☐ Local Police and/or State Police	_____	_____
☐ Local Emergency Planning Committee	_____	_____
☐ State Emergency Response Commission via MI SARA Title III Program	_____	_____
☐ Wastewater Treatment Plant Authority	_____	_____
☐ Hazmat Team	_____	_____
☐ Local Health Department	_____	_____
☐ Department of Labor & Economic Growth MIOSHA	_____	_____
☐ Department of Labor & Economic Growth Fire Safety	_____	_____
☐ Michigan Department of Agriculture: 800-405-0101		
☐ Other _____		

PERSON CONTACTED & PHONE NUMBER:

_____

_____

DATE WRITTEN REPORT SUBMITTED	SIGNATURE OF PERSON SUBMITTING WRITTEN REPORT

THIS IS A MASTER COPY. PLEASE MAKE COPIES AS NEEDED.

NON-STORM WATER INSPECTION REPORT

Date of Inspection: _____ Time: _____

Inspected by (printed name): _____

Signature: _____

Description of type of inspection (check those that apply):

visual observation dye tests smoke tests TV line survey
analysis of accurate schematics sampling/monitoring

Observations/Results: _____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Are there any non-storm water discharges? yes no

Is the discharge authorized under this permit? yes no

Is the discharge covered under another National Pollutant Discharge Elimination System (NPDES) permit? yes no

Are significant structural changes required to eliminate the discharge? yes no

Employee Training Record

Type of Training: _____

Date of Session: _____ **Time:** _____

Trainer: _____ _____
(Printed) **(Signature)**

I certify that I have been trained in the items indicated below and have read and understand the SWPPP prepared for this facility.

Attendees (Names, printed):	**Signature:**
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Topics Covered: _____

_____

_____

_____

_____

_____

Comments/Observations: _____

_____

_____

8.0 Certification of the SWPPP

I certify under penalty of law that this SWPPP has been developed in accordance with good engineering practices. To the best of my knowledge and belief, the information submitted is true, accurate, and complete. In addition, at the time this plan was completed no unauthorized discharges were present. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

_____	_____
(Signature of Certified Operator)	(Certification Number)
_____	_____
(Printed Name)	(Date)
_____	_____
(Signature of Corporate Officer)	(Date)
_____	_____
(Printed Name)	(Title)

Note: Retain a copy of this certification with the SWPPP

FIGURE 1-1

Topographic Map

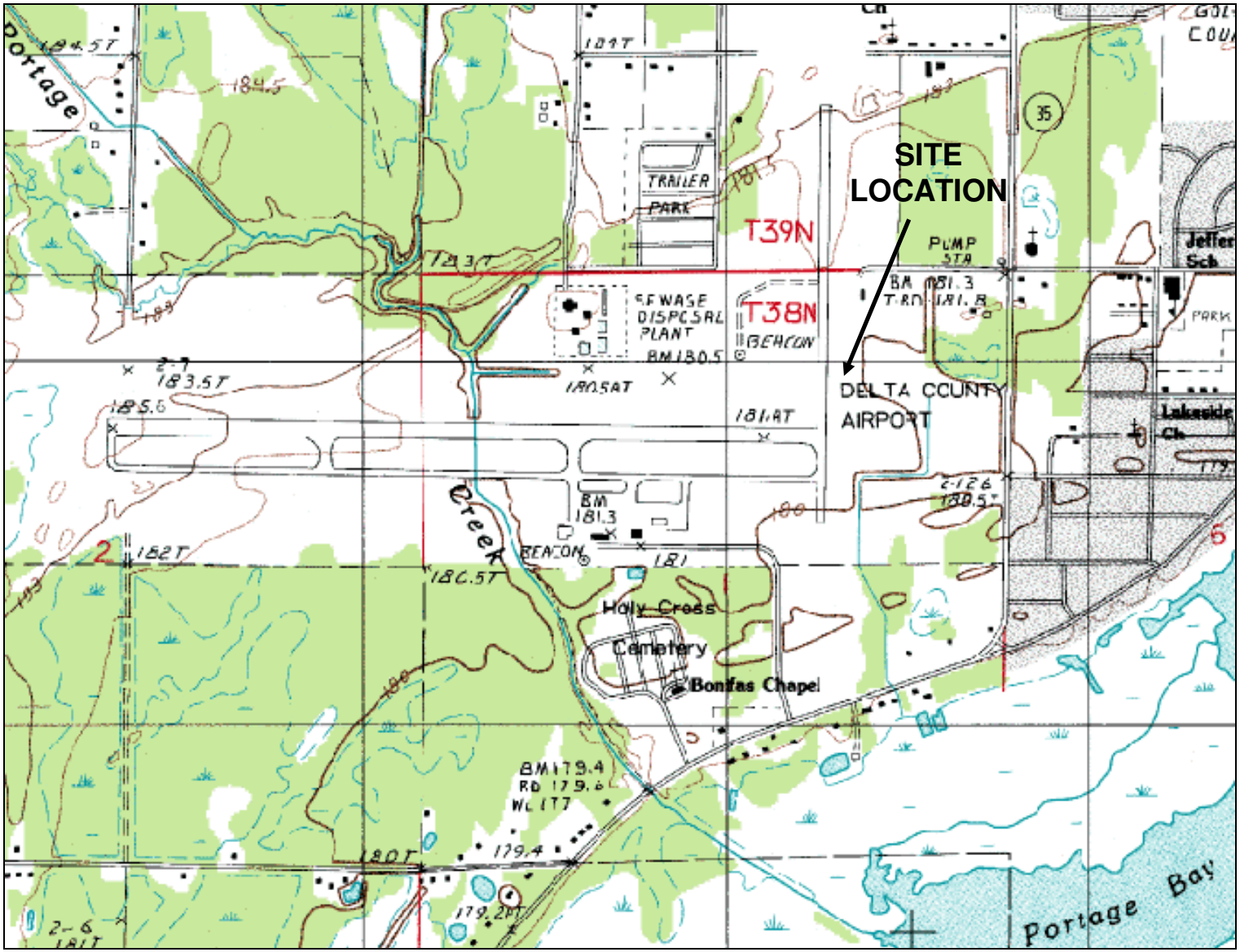
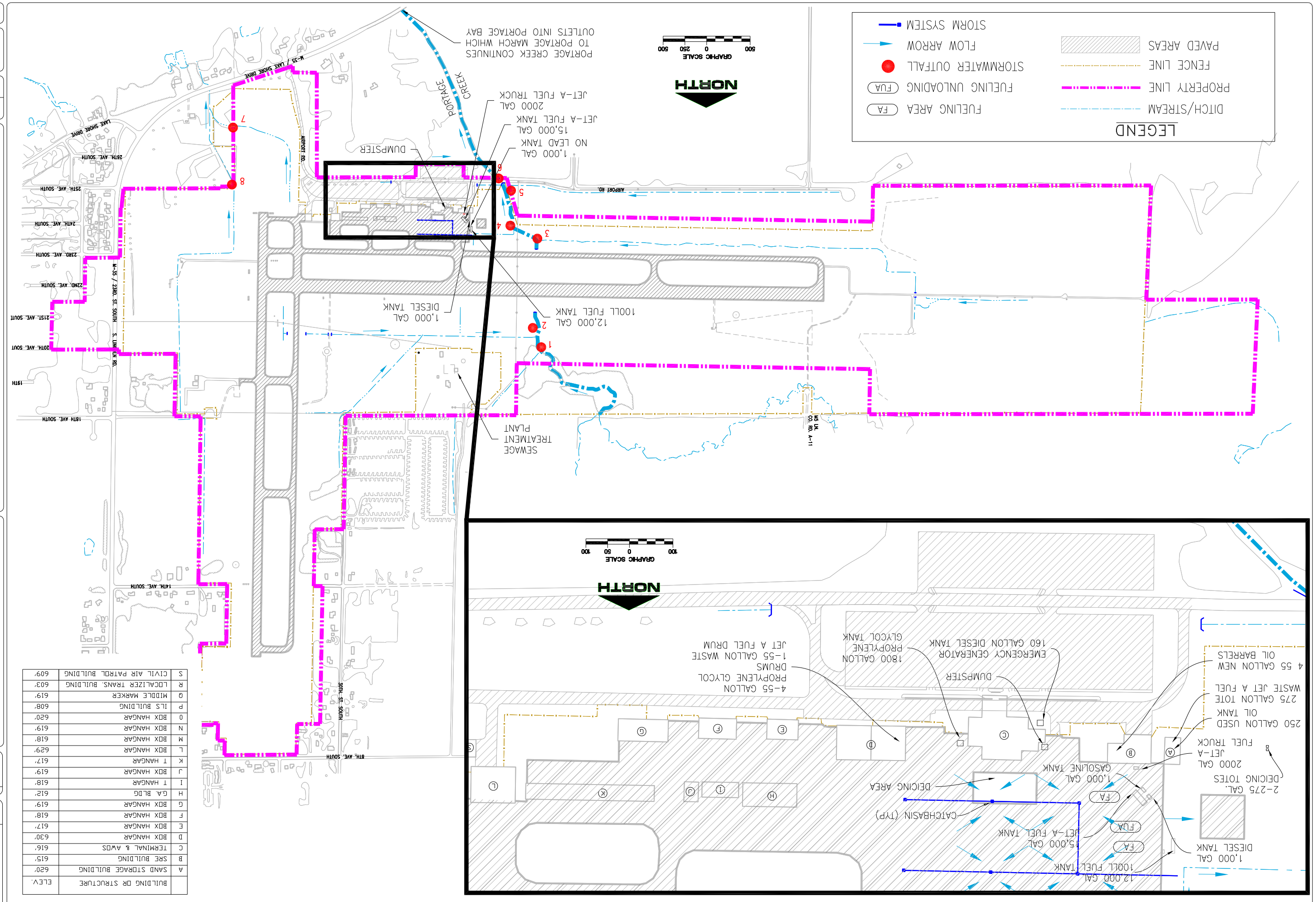

SITE LOCATION
T39N
T38N
TRAILER PARK
SEWAGE DISPOSAL PLANT
PUMP STA
DELTA COUNTY AIRPORT
BEACON
Holy Cross Cemetery
Bonifas Chapel
Portage Creek
Portage Bay
Jeffer Sch
Lakeside Ch
PARK

FIGURE 3-1

Site Map



	BULDING OR STRUCTURE	ELEV.
A	SAND STORAGE BULDING	620'
B	SRE BULDING	615'
C	TERMINAL & AWDS	616'
D	BOX HANGAR	630'
E	BOX HANGAR	617'
F	BOX HANGAR	618'
G	BOX HANGAR	619'
H	G.A. BLDG	612'
I	T HANGAR	618'
J	BOX HANGAR	619'
K	T HANGAR	617'
L	BOX HANGAR	629'
M	BOX HANGAR	618'
N	BOX HANGAR	619'
O	BOX HANGAR	620'
P	ILS BULDING	608'
Q	MIDDLE MARKER	619'
R	LOCALIZER TRANS. BULDING	603'
S	CIVIL AIR PATROL BULDING	609'

SWPPP FIGURE 3-1

Delta County Airport
FLY FROM NEARBY

SITE PLAN

ESCANABA, MICHIGAN

URS
GRAND RAPIDS, MI.
3950 SPARKS DRIVE S.E.
616 975-4500

D/E	JVV	
PM	WMM	
SQC	DR	
QC	WMM	
IN CHARGE	W. MALINOWSKI	

DATE	ISSUED FOR
10/29/07	TAA AND BOA REVIEW
06/10/07	SPONSOR REVIEW

MICHIGAN SITE NO.
21-1
LOC ID
ESC

DRAWING
3-1

12939541

APPENDIX A

Certificate of Coverage and General Permit

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER BUREAU
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
Authorized by Michigan Act 451, Public Acts of 1994, as amended, Part 31

CERTIFICATE OF COVERAGE

Under General Permit No. MIS210000
SW-Industrial CY2 General Permit

CERTIFICATE OF COVERAGE NO.:	MIS210018
DESIGNATED NAME:	Delta County Airport
PERMITTEE:	Delta County Airport
MAILING ADDRESS:	3300 Airport Road Escanaba, Michigan 49829

This certificate of coverage authorizes Delta County Airport to discharge an unspecified amount of storm water which meets the criteria established in General Permit No. MIS210000. The discharge is from Delta County Airport, located at 3300 Airport Road, Escanaba, Michigan 49829. The discharge is to Portage Creek, in the SW1/4, NW1/4, Section 1, Town 38 N, Range 23 W, Delta County.

This authorization is based on written certification received on September 29, 2006, that the permittee is in compliance with the following requirements of the Storm Water Pollution Prevention Plan and the general permit:

- Source identification requirements.
- Certified storm water operator requirements.
- Prohibition of unauthorized non-storm water discharges.
- Non-structural preventative measures and source controls.
- Structural storm water pollution control requirements as needed.

Unless specified otherwise in the General Permit, all contact with the Department, and all Department approvals, shall be directed to or made by the Upper Peninsula District Supervisor of the Water Bureau. The Upper Peninsula District Office is located at the K. I. Sawyer International Airport and Business Center, 420 Fifth Street, Gwinn, Michigan 49841, telephone: 906-346-8300, fax: 906-346-4480.

Any party who is aggrieved by this certificate of coverage may file a sworn petition for a contested case hearing on this certificate of coverage with the State Office of Administrative Hearings and Rules of the Michigan Department of Labor and Economic Growth in accordance with the provisions of R323.2192(c) of the Michigan Administrative Code. The Department may reject any petition filed more than 60 days after issuance as being untimely.

The issuance of this certificate of coverage does not authorize violation of any federal, state or local laws or regulations, nor does it obviate the necessity of obtaining such permits, including any other Department of Environmental Quality permits, or approvals from other units of government as may be required by law.

This certificate of coverage is based on a complete application received by the Department of Environmental Quality on September 29, 2006, and is subject to all conditions specified in General Permit No. MIS210000 issued August 9, 2006, expiring April 1, 2012. This certificate of coverage may be modified, terminated, reissued, or revoked as allowed for in General Permit No. MIS210000. On the effective date of this certificate of coverage, this certificate of coverage shall supersede Certificate of Coverage No. MIS210018, issued December 7, 2001, which is hereby revoked.

This certificate of coverage takes effect immediately.

May 10, 2007
Date Issued

Daniel Dell, Chief
Lakes Michigan and Superior Permits Unit
Permits Section
Water Bureau

EQP 4677 (10/97)

GENERAL PERMIT NO. MIS210000

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
WASTEWATER DISCHARGE GENERAL PERMIT

STORM WATER FROM INDUSTRIAL ACTIVITY
IN CYCLE-YEAR 2 WATERSHEDS

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et seq; the "Federal Act"); Michigan Act 451, Public Acts of 1994, as amended (the "Michigan Act"), Part 31; and Michigan Executive Orders 1991-31, 1995-4 and 1995-18, storm water associated with industrial activity, as defined under 40 CFR 122.26(b)(14)(i-ix) and (xi), or as deemed necessary under Section 402(p)(2)(E) of the Federal Act, and other storm water which is adequately regulated by this general permit is authorized to be discharged from facilities specified in individual “certificates of coverage” in accordance with conditions set forth in this National Pollutant Discharge Elimination System (NPDES) general permit (the “permit”).

The applicability of this permit shall be limited to discharges of storm water which discharge to surface waters of the state located within a cycle-year 2 watershed as listed in Part II.E. on page 19 of 19. This permit does not authorize discharges determined by the Michigan Department of Environmental Quality (the “Department”) to need individual NPDES permits or different general permits, or that may cause or contribute to a violation of the Water Quality Standards.

In order to constitute a valid authorization to discharge, this permit must be complemented by a certificate of coverage issued by the Department.

Unless specified otherwise, all contact with the Department required by this permit shall be to the positions indicated in the certificate of coverage.

This permit shall take effect April 1, 2007. The provisions of this permit are severable. After notice and opportunity for a hearing, this permit may be modified, suspended or revoked in whole or in part during its term in accordance with applicable laws and rules.

This permit shall expire at midnight April 1, 2012.

Issued August 9, 2006

Original Permit Signed by William Creal
William Creal, Chief
Permits Section
Water Bureau

PERMIT FEE REQUIREMENTS

In accordance with Section 324.3118 of the Michigan Act, the permittee shall make payment of an annual storm water fee to the Department for each January 1 the permit is in effect regardless of occurrence of discharge. The permittee shall submit the fee in response to the Department's annual notice. The fee shall be postmarked by March 15 for notices mailed by February 1. The fee is due no later than 45 days after receiving the notice for notices mailed after February 1.

CONTESTED CASE INFORMATION

The terms and conditions of this permit shall apply to an individual facility beginning on the effective date of a certificate of coverage issued for that facility. The Department may grant a contested case hearing on this permit in accordance with the Michigan Act. Any person who is aggrieved by this permit may file a sworn petition with the State Office of Administrative Hearings and Rules of the Michigan Department of Labor and Economic Growth, setting forth the conditions of the permit which are being challenged and specifying the grounds for the challenge. The Department may grant a contested case hearing on the certificate of coverage issued to an individual facility under this permit in accordance with Rule 323.2192(c) (Rule 323.2192 of the Michigan Administrative Code).

PART I

Section A. Discharge Authorization

During the period beginning on the effective date of this permit and an individual certificate of coverage and lasting until the expiration of this permit or termination of the individual certificate of coverage, the permittee is authorized to discharge storm water to the surface waters of the State of Michigan.

Section B. Schedules and Certifications

A Notice of Intent (NOI) or other Department-approved application shall be submitted to the Department to obtain a certificate of coverage authorizing discharge under this permit. The permittee must comply with the schedule and certification requirements in either Part I.B.1. or Part I.B.2., below. Refer to the applicable subsection.

1. Schedules and Certifications for New Storm Water General Permit Applicants

Applicants requesting first-time authorization to discharge storm water associated with an industrial activity under a general permit shall comply with the following requirements prior to submittal of an NOI or other Department-approved application to be covered under this permit:

a. Schedule

A first-time applicant will not receive a certificate of coverage issued under this permit unless the NOI or application is accompanied by certification of compliance with the certified operator and Storm Water Pollution Prevention Plan (SWPPP) requirements of this permit as follows:

1) Certified Operator: The applicant shall have a storm water operator certified by the Department, as required by Section 3110 of the Michigan Act. The certified operator shall have supervision over the facility's storm water treatment and control measures included in the SWPPP.

2) Storm Water Pollution Prevention Plan: The applicant's SWPPP shall be developed in accordance with Parts I.C.1. through I.C.3. and ready for implementation prior to submittal of an NOI or other application to be covered under this permit. The SWPPP shall be signed by the certified operator and the permittee. Applicants shall be fully ready to carry out the activities specified in their SWPPP and comply with this permit in order to be issued a certificate of coverage. New facilities shall have a certificate of coverage issued under this permit prior to commencement of discharge of storm water associated with industrial activity.

b. Certification

When submitting an NOI or other application for this permit, the permittee shall also <u>submit a written certification</u> that the facility is in compliance with the requirements identified in Parts I.B.1.b.1) through 5). The certification shall be a written statement that the SWPPP has been completed and is being implemented. It is not necessary to submit the SWPPP to the Department unless requested. New facilities shall fulfill the requirements of subparagraphs 4) and 5) when industrial activity begins.

1) The facility has a certified storm water operator as required in Part I.B.1.a.1). All operators' names and certification numbers shall be included in the written certification. If a certified operator's number is not available at the time the written certification is submitted, provide the date the operator took the certification exam, the location of the Department's office where the exam was taken, and the signature of the person who took the exam.

2) The source identification requirements of the SWPPP are completed and identified in the plan (see Part I.C.1.).

3) Non-structural preventative measures and source controls are being implemented (see Part I.C.2.).

4) The structural controls for prevention and treatment (see Part I.C.3.), if needed, are installed and operational. If no structural controls are needed, indicate so in writing.

5) Non-storm water discharges are eliminated or authorized by an NPDES permit (see Part I.D.3.).

PART I

Section B. Schedules and Certifications

2. Schedules and Certifications for Storm Water Dischargers with Previous Permit Requirements for a Storm Water Pollution Prevention Plan

A permittee who has been authorized to discharge storm water under a permit other than this permit, which required a Storm Water Pollution Prevention Plan (SWPPP), and who submits an NOI or other application for authorization to discharge under this permit, shall comply with the following:

a. Schedule
Continue development and implementation of the SWPPP in accordance with the schedule established under the individual permit, or general permit and certificate of coverage, held previous to this permit. That schedule shall be enforceable under this permit.

b. Certification

1) When submitting an NOI or other application for this permit, the permittee shall also submit a written certification that the facility is in compliance with its current storm water general permit and certificate of coverage or the SWPPP requirements of its individual permit. The certification shall be a written statement that the SWPPP has been completed and is being implemented. The written certification shall include the name and certification number of the certified storm water operator. It is not necessary to submit the SWPPP to the Department unless requested to do so.

2) The applicant shall have a storm water operator certified by the Department, as required by Section 3110 of the Michigan Act. The certified operator shall have supervision over the facility's storm water treatment and control measures included in the SWPPP

PART I

Section C. Storm Water Pollution Prevention Plan (SWPPP)

1. Source Identification

To identify potential sources of significant materials that can pollute storm water and subsequently be discharged from the facility, the SWPPP shall, at a minimum, include the following items:

a. A site map identifying the following:

1) buildings and other permanent structures;
2) storage or disposal areas for significant materials;
3) secondary containment structures and descriptions of what they contain;
4) storm water discharge outfalls (numbered for reference);
5) location of storm water and non-storm water inlets contributing to each outfall;
6) location of NPDES permitted discharges other than storm water;
7) outlines of the drainage areas contributing to each outfall;
8) structural runoff controls or storm water treatment facilities;
9) areas of vegetation (with brief description such as lawn, old field, marsh, wooded, etc);
10) areas of exposed and/or erodible soils;
11) impervious surfaces (roofs, asphalt, concrete);
12) name and location of receiving water(s); and
13) areas of known or suspected impacts on surface waters as designated under Part 201 (Environmental Response) of the Michigan Act.

b. A list of all significant materials that could pollute storm water. For each material listed, the SWPPP shall include each of the following descriptions:

1) Ways in which each type of material has been or has reasonable potential to become exposed to storm water (e.g., spillage during handling; leaks from pipes, pumps, and vessels; contact with storage piles, contaminated materials or soils; waste handling and disposal; deposits from dust or overspray; etc.).

2) Identification of the outfall(s) through which the material may be discharged if released.

3) A listing of significant spills and significant leaks of polluting materials that occurred at areas that are exposed to precipitation or that otherwise discharge to a point source at the facility. The listing shall include spills that occurred over the three (3) years prior to the effective date of a certificate of coverage authorizing discharge under this permit. The listing shall include the date, volume and exact location of release, and the action taken to clean up the material and/or prevent exposure to storm water runoff or contamination of surface waters of the state. Any release that occurs after the SWPPP has been developed shall be controlled in accordance with the SWPPP and is cause for the SWPPP to be updated as appropriate within 14 calendar days of obtaining knowledge of the spill or loss.

4) If there is a Total Maximum Daily Load (TMDL) established by the Department for the receiving water, which restricts the discharge of any of the identified significant materials or constituents of those materials, then the SWPPP shall identify the level of control for those materials necessary to comply with the TMDL, and an estimate of the current annual load of those materials via storm water discharges to the receiving stream.

PART I

Section C. Storm Water Pollution Prevention Plan (SWPPP)

c. An evaluation of the reasonable potential for contribution of significant materials to runoff from at least the following areas or activities:

1) loading, unloading, and other material handling operations;
2) outdoor storage including secondary containment structures;
3) outdoor manufacturing or processing activities;
4) significant dust or particulate generating processes;
5) discharge from vents, stacks and air emission controls;
6) on-site waste disposal practices;
7) maintenance and cleaning of vehicles, machines and equipment;
8) areas of exposed and/or erodible soils;
9) Sites of Environmental Contamination listed under Part 201 (Environmental Response) of the Michigan Act;
10) areas of significant material residues;
11) areas where animals congregate (wild or domestic) and deposit wastes; and
12) other areas where storm water may contact significant materials.

d. A summary of existing storm water discharge sampling data (if available) describing pollutants in storm water discharges associated with industrial activity at the facility. This summary shall be accompanied by a description of the suspected source(s) of the pollutants detected.

2. Preventive Measures and Source Controls, Non-Structural

To prevent significant materials from contacting storm water at the source, the SWPPP shall, at a minimum, include each of the following non-structural controls:

a. A description of a program for routine preventive maintenance which includes inspection and maintenance of storm water management and control devices (e.g., cleaning of oil/water separators and catch basins) as well as inspecting and testing plant equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters. A log of the inspection and corrective actions shall be maintained on file by the permittee, and shall be retained in accordance with Part I.D.1.

b. A schedule for comprehensive site inspection to include visual inspection of equipment, plant areas, and structural pollution prevention and treatment controls to be performed at least once every six months. A report of the results of the comprehensive site inspection shall be prepared and retained in accordance with Part I.D.1. The report shall identify any incidents of non-compliance with the SWPPP or this permit. If there are no reportable incidents of non-compliance, the report shall contain a certification that the facility is in compliance with this permit.

c. A description of good housekeeping procedures to maintain a clean, orderly facility.

d. A description of material handling procedures and storage requirements for significant materials. Equipment and procedures for cleaning up spills shall be identified in the SWPPP and made available to the appropriate personnel. The procedures shall identify measures to prevent spilled materials or material residues on the outside of containers from being discharged into storm water. The SWPPP may include, by reference, requirements of either a Pollution Incident Prevention Plan (PIPP) prepared in accordance with the Part 5 Rules (Rules 324.2001 through 324.2009 of the Michigan Administrative Code); a Hazardous Waste Contingency Plan prepared in accordance with 40 CFR 264 and 265 Subpart D, as required by Part 111 of the Michigan Act; or a Spill Prevention Control and Countermeasure (SPCC) plan prepared in accordance with 40 CFR 112.

e. Identification of areas which, due to topography, activities, or other factors, have a high potential for significant soil erosion. The SWPPP shall also identify measures used to control soil erosion and sedimentation.

PART I

Section C. Storm Water Pollution Prevention Plan (SWPPP)

f. A description of employee training programs which will be implemented to inform appropriate personnel at all levels of responsibility of the components and goals of the SWPPP. The SWPPP shall identify periodic dates for such training.

g. Identification of actions to limit the discharge of significant materials in order to comply with TMDL requirements.

h. Identification of significant materials expected to be present in storm water discharges following implementation of non-structural preventative measures and source controls.

3. Structural Controls for Prevention and Treatment

Where implementation of the measures required by Part I.C.2. does not control storm water discharges in accordance with Part I.D.2., the SWPPP shall provide a description of the location, function, and design criteria of structural controls for prevention and treatment. Structural controls may be necessary:

1) To prevent uncontaminated storm water from contacting or being contacted by significant materials; or

2) If preventive measures are not feasible or are inadequate to keep significant materials at the site from contaminating storm water. Structural controls shall be used to treat, divert, isolate, recycle, reuse or otherwise manage storm water in a manner that reduces the level of significant materials in the storm water and provides compliance with the Water Quality Standards as identified under Part I.D.2.

4. Keeping Plans Current

a. The permittee shall review the SWPPP annually after it is developed and maintain written summaries of the reviews. Based on the review, the permittee shall amend the SWPPP as needed to ensure continued compliance with the terms and conditions of this permit.

b. The SWPPP developed under the conditions of a previous permit shall be amended as necessary to ensure compliance with this permit.

c. The SWPPP shall be updated or amended whenever changes or spills at the facility increase or have the potential to increase the exposure of significant materials to storm water, or when the SWPPP is determined by the permittee or the Department to be ineffective in achieving the general objectives of controlling pollutants in storm water discharges associated with industrial activity. Updates based on increased activity or spills at the facility shall include a description of how the permittee intends to control any new sources of significant materials or respond to and prevent spills in accordance with the requirements of Parts I.C.1., I.C.2., and I.C.3. of this permit.

d. The Department or authorized representative may notify the permittee at any time that the SWPPP does not meet minimum requirements. Such notification shall identify why the SWPPP does not meet minimum requirements. The permittee shall make the required changes to the SWPPP within 30 days after such notification from the Department or authorized representative, and shall submit to the Department a written certification that the requested changes have been made.

e. Amendments shall be signed and retained with the SWPPP on site pursuant to Part I.C.6.a.

5. Certified Operator Update

If the certified operator is changed or an additional certified operator is added, the permittee shall provide the name and certification number of the new certified operator to the Department. The new operator shall review and sign the SWPPP.

6. Signature and SWPPP Review

a. The SWPPP shall be signed by the storm water certified operator and by either the permittee or an authorized representative in accordance with 40 CFR 122.22. The SWPPP shall be retained on-site at the facility which generates the storm water discharge.

b. The permittee shall make the SWPPP, reports, log books, storm water discharge sampling data (if collected), and supporting documents available upon request to the Department or authorized representative.

PART I

Section D. Special Conditions

1. Record Keeping

The permittee shall maintain records of all SWPPP related inspection and maintenance activities. Records shall also be kept describing incidents such as spills or other discharges that can affect the quality of storm water runoff. All such records shall be retained for three years.

2. Water Quality Standards

At the time of discharge, there shall be no violation of the Water Quality Standards in the receiving waters as a result of the storm water discharge. This requirement includes, but is not limited to, the following conditions:

a. In accordance with Rule 323.1050 of the Water Quality Standards, the receiving waters shall not have any of the following unnatural physical properties as a result of this discharge in quantities which are or may become injurious to any designated use: turbidity, color, oil films, floating solids, foams, settleable solids, suspended solids, or deposits.

b. Any unusual characteristics of the discharge (i.e., unnatural turbidity, color, oil film, floating solids, foams, settleable solids, suspended solids, or deposits) shall be reported within 24 hours to the Department followed by a written report within five (5) days detailing the findings of the investigation and the steps taken to correct the condition.

c. Any pollutant for which a level of control is specified to meet a Total Maximum Daily Load (TMDL) established by the Department shall be controlled at the facility so that its discharge is reduced by the amount specified in the waste load allocation of the TMDL. Any reduction achieved through implementation of the non-structural controls or structural controls in accordance with Parts I.C.2. or I.C.3. shall count toward compliance with the TMDL.

3. Prohibition of Non-Storm Water Discharges

Discharges of material other than storm water shall be in compliance with an NPDES permit (other than this permit) issued for the discharge. Storm water shall be defined to include all of the following non-storm water discharges provided pollution prevention controls for the non-storm water component are identified in the SWPPP:

a. discharges from fire hydrant flushing;

b. potable water sources including water line flushing;

c. water from fire system testing and fire fighting training without burned materials or chemical fire suppressants;

d. irrigation drainage;

e. lawn watering;

f. routine building wash down which does not use detergents or other compounds;

g. pavement wash waters where contamination by toxic or hazardous materials have not occurred (unless all contamination by toxic or hazardous materials have been removed) and where detergents are not used;

h. air conditioning condensate;

i. springs;

j. uncontaminated ground water; and

k. foundation or footing drains where flows are not contaminated with process materials such as solvents.

Discharges from fire fighting activities are authorized by this permit, but are exempted from the requirement to be identified in the SWPPP.

PART I

Section D. Special Conditions

4. Water Treatment Additives

This permit does not authorize the discharge of water additives without approval from the Department. Water additives include any material that is added to water used at the facility or to a wastewater generated by the facility to condition or treat the water. In the event a permittee proposes to discharge water additives, the permittee shall submit a request to discharge water additives to the Department for approval. Such requests shall be sent to the Surface Water Assessment Section, Water Bureau, Department of Environmental Quality, P.O. Box 30273, Lansing, Michigan 48909, with a copy to the Department contact listed on the certificate of coverage. Instructions to submit a request electronically may be obtained via the internet (http://www.michigan.gov/deq and on the left side of the screen click on Water, Water Quality Monitoring, and Assessment of Michigan Waters; then click on the Water Treatment Additive List which is under the information banner). Written approval from the Surface Water Assessment Section to discharge such additives at specified levels shall be obtained prior to discharge by the permittee. Additional monitoring and reporting may be required as a condition for the approval to discharge the additive.

A request to discharge water additives shall include all of the following water additive usage and discharge information:

a. Material Safety Data Sheet;

b. the proposed water additive discharge concentration;

c. the discharge frequency (i.e., number of hours per day and number of days per year);

d. the outfall from which the product is to be discharged;

e. the type of removal treatment, if any, that the water additive receives prior to discharge;

f. product function (i.e. microbiocide, flocculent, etc.);

g. a 48-hour LC_{50} or EC_{50} for a North American freshwater planktonic crustacean (either *Ceriodaphnia sp., Daphnia sp., or Simocephalus sp*.); and

h. the results of a toxicity test for one other North American freshwater aquatic species (other than a planktonic crustacean) that meets a minimum requirement of Rule 323.1057(2) of the Water Quality Standards.

Prior to submitting the request, the permittee may contact the Surface Water Assessment Section by telephone at 517-335-1180 or via the internet at the address given above to determine if the Department has the product toxicity data required by items g. and h. above. If the Department has the data, the permittee will not need to submit product toxicity data.

5. Tracer Dye Discharges

This permit does not authorize the discharge of tracer dyes without approval from the Department. Requests to discharge tracer dyes shall be submitted to the Department in accordance with Rule 1097 (Rule 323.1097 of the Michigan Administrative Code).

6. Facility Contact

The "Facility Contact" was specified in the application. The permittee may replace the facility contact at any time, and shall notify the Department in writing within 10 days after replacement (including the name, address and telephone number of the new facility contact).

a. The facility contact shall be (or a duly authorized representative of this person):
   - for a corporation, a principal executive officer of at least the level of vice president, or a designated representative, if the representative is responsible for the overall operation of the facility from which the discharge described in the permit application or other NPDES form originates,
   - for a partnership, a general partner,
   - for a sole proprietorship, the proprietor, or
   - for a municipal, state, or other public facility, either a principal executive officer, the mayor, village president, city or village manager or other duly authorized employee.

PART I

Section D. Special Conditions

b. A person is a duly authorized representative only if:

- the authorization is made in writing to the Department by a person described in paragraph a. of this section; and
- the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the facility (a duly authorized representative may thus be either a named individual or any individual occupying a named position).

Nothing in this section obviates the permittee from properly submitting reports and forms as required by law.

7. Portable Industrial Facilities

a. Storm water discharges from satellite locations of a portable industrial facility may be authorized by obtaining a certificate of coverage issued under this permit. To obtain a certificate of coverage, an NOI or other Department-approved application must be submitted to the Permits Section of the Water Bureau for a primary mailing address of the owner or operator of the portable facility. Following receipt of a certificate of coverage, if the portable facility is to be moved to a satellite location, the permittee shall notify the Department of the relocation, in writing, at least 10 days prior to start-up at the satellite location. Written notification shall include the location (township, range, section, and quarter-quarter section) of the current and proposed sites for the portable facility, the receiving water for the discharge, and the anticipated date of the move. Failure to notify the Department concerning the satellite location is a permit violation.

b. The permittee shall submit an NOI or other Department-approved application for each portable facility that could be moved to a satellite location. A SWPPP shall be in place for each facility at the time of start-up and shall be modified for each new location as necessary.

8. Expiration and Reissuance

If the permittee wishes to continue a discharge authorized under this permit beyond the permit's expiration date, the permittee shall submit a written request to the Department on or before October 1, 2011. A person holding a valid certificate of coverage under an expired general permit shall continue to be subject to the terms and conditions of the expired permit until the permit is terminated, revoked, or reissued.

If this permit is modified or reissued, the permittee shall: a) request coverage under the modified or reissued permit, b) apply for an individual NPDES permit, or c) request termination of discharge authorization. Lacking an adequate response, the permittee's authorization to discharge shall expire on the effective date of the reissued or modified permit.

If this permit is terminated or revoked, all authorizations to discharge under the permit shall expire on the date of termination or revocation.

9. Termination of General Permit Coverage

A permittee may submit a request to the Department to terminate the certificate of coverage for a facility when:

a. all storm water discharges associated with industrial activity are eliminated; or

b. industrial activity has ceased and no significant materials remain or are exposed to storm water.

PART I

Section D. Special Conditions

10. Requirement to Obtain Individual Permit

The Department may require any person who is authorized to discharge by a certificate of coverage issued under this permit, to apply for and obtain an individual NPDES permit if any of the following circumstances apply:

a. the discharge is a significant contributor to pollution, or contains materials or constituents which require limiting to protect the receiving waters in accordance with applicable water quality standards, as determined by the Department on a case-by-case basis;

b. the discharger is not complying or has not complied with the conditions of the permit or schedules included in a certificate of coverage;

c. a change has occurred in the availability of demonstrated technology or practices for the control or abatement of waste applicable to the point source discharge;

d. effluent standards or limitations are promulgated for point source discharges subject to this permit; and

e. the Department determines that the criteria by which the certificate of coverage was issued under this permit no longer apply.

Any person may request the Department to take action pursuant to the provisions of Rule 2191 (Rule 323.2191 of the Michigan Administrative Code).

PART II

Section A. Definitions

Certificate of Coverage means a document, issued by the Department, which authorizes a discharge under this permit.

Department means the Michigan Department of Environmental Quality**.**

Individual Permit means a site-specific NPDES permit.

Inlet means a catch basin, roof drain, conduit, drain tile, retention pond riser pipe, sump pump, or other point where storm water or wastewater enters into a closed conveyance system prior to discharge off site or into waters of the state.

New Facility means a facility located on a newly-developed or redeveloped site which is ready to begin industrial operations on or after the effective date of this permit.

NOI means Notice of Intent to be covered by this permit.

Point Source Discharge means a discharge from any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container or rolling stock. Changing the surface of land or establishing grading patterns on land will result in a point source where the runoff from the site is ultimately discharged to waters of the state.

Polluting Materials means oil and any material, in solid or liquid form, identified as polluting material under the Part 5 Rules (Rules 324.2001 through 324.2009 of the Michigan Administrative Code).

Regional Administrator is the Region 5 Administrator, U.S. EPA, located at R-19J, 77 W. Jackson Blvd., Chicago, Illinois 60604.

Secondary Containment Structure means a unit, other than the primary container in which significant materials are packaged or held, which is required by State or Federal law to prevent the escape of significant materials by gravity into sewers, drains, or otherwise directly or indirectly into any sewer system or to the surface or ground waters of this state.

Significant Materials means any material which could degrade or impair water quality, including but not limited to: raw materials; fuels; solvents, detergents, and plastic pellets; finished materials such as metallic products; hazardous substances designated under section 101(14) of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (See 40 CFR 372.65); any chemical the facility is required to report pursuant to section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA); polluting materials (as defined above); Hazardous Wastes as defined in Part 111 of the Michigan Act; fertilizers; pesticides; and waste products such as ashes, slag, sludge, and plant and animal wastes that have the potential to be released with storm water discharges.

Significant Spills and Significant Leaks means any release of a polluting material reportable under the Part 5 Rules (Rules 324.2001 through 324.2009 of the Michigan Administrative Code).

Storm Water means storm water runoff, snow melt runoff, surface runoff and drainage, and non-storm water included under the conditions of Part I.D.3.

SWPPP means the Storm Water Pollution Prevention Plan prepared in accordance with Parts I.B. and I.C. of this permit.

Total Maximum Daily Load or **TMDL** means the amount of pollutant load a water body such as a lake or stream can assimilate and still meet Water Quality Standards.

Water Quality Standards means the Part 4 Water Quality Standards developed under Part 31 of Act No. 451 of the Public Acts of 1994, as amended, being Rules 323.1041 through 323.1117 of the Michigan Administrative Code.

PART II

Section B. Reporting Requirements

1. Noncompliance Notification

Compliance with all applicable requirements set forth in the Federal Act, Parts 31 and 41 of the Michigan Act, and related regulations and rules is required. All instances of noncompliance shall be reported as follows:

a. 24-hour reporting - Any noncompliance which may endanger health or the environment (including maximum daily concentration discharge limitation exceedances) shall be reported, verbally, within 24 hours from the time the permittee becomes aware of the noncompliance. A written submission shall also be provided within five (5) days.

b. other reporting - The permittee shall report, in writing, all other instances of noncompliance not described in a. above at the time monitoring reports are submitted; or, in the case of retained self-monitoring, within five (5) days from the time the permittee becomes aware of the noncompliance.

Written reporting shall include: 1) a description of the discharge and cause of noncompliance; and 2) the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and the steps taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

2. Spill Notification

The permittee shall immediately report any release of any polluting material which occurs to the surface waters or groundwaters of the state, unless the permittee has determined that the release is not in excess of the threshold reporting quantities specified in the Part 5 Rules (Rules 324.2001 through 324.2009 of the Michigan Administrative Code), by calling the Department at the number indicated in the certificate of coverage, or if the notice is provided after regular working hours call the Department's 24-hour Pollution Emergency Alerting System telephone number, 1-800-292-4706 (calls from out-of-state dial 1-517-373-7660).

Within ten (10) days of the release, the permittee shall submit to the Department a full written explanation as to the cause of the release, the discovery of the release, response (clean-up and/or recovery) measures taken, and preventative measures taken or a schedule for completion of measures to be taken to prevent reoccurrence of similar releases.

3. Upset Noncompliance Notification

If a process "upset" (defined as 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 permittee) has occurred, the permittee who wishes to establish the affirmative defense of upset, shall notify the Department by telephone within 24-hours of becoming aware of such conditions; and within five (5) days, provide in writing, the following information:

a. that an upset occurred and that the permittee can identify the specific cause(s) of the upset;

b. that the permitted wastewater treatment facility was, at the time, being properly operated; and

c. that the permittee has specified and taken action on all responsible steps to minimize or correct any adverse impact in the environment resulting from noncompliance with this permit.

In any enforcement proceedings, the permittee, seeking to establish the occurrence of an upset, has the burden of proof.

PART II

Section B. Reporting Requirements

4. Bypass Prohibition and Notification

a. Bypass Prohibition - Bypass is prohibited unless:

1) 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 adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass; and

3) The permittee submitted notices as required under Part II.B.4.b. or Part II.B.4.c. below.

b. Notice of Anticipated Bypass - If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least ten (10) days before the date of the bypass, and provide information about the anticipated bypass as required by the Department. The Department may approve an anticipated bypass, after considering its adverse effects, if it will meet the three conditions listed in Part II.B.4.a. above.

c. Notice of Unanticipated Bypass - The permittee shall submit notice to the Department of an unanticipated bypass by telephone at the number identified in a certificate of coverage issued under this permit (if the notice is provided after regular working hours, use the following number: 1-800-292-4706) as soon as possible, but no later than 24 hours from the time the permittee becomes aware of the circumstances.

d. Written Report of Bypass - A written submission shall be provided within five (5) working days of commencing any bypass to the Department, and at additional times as directed by the Department. The written submission shall contain a description of the bypass and its cause; the period of bypass, including exact dates and times, and if the bypass has not been corrected, the anticipated time it is expected to continue; steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass; and other information as required by the Department.

e. Definitions

1) Bypass means the intentional diversion of waste streams from any portion of a treatment facility.

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

5. Compliance Dates Notification

Within 14 days of every compliance date specified in this permit, the permittee shall submit a written notification to the Department indicating whether or not the particular requirement was accomplished. If the requirement was not accomplished, the notification shall include an explanation of the failure to accomplish the requirement, actions taken or planned by the permittee to correct the situation, and an estimate of when the requirement will be accomplished. If a written report is required to be submitted by a specified date and the permittee accomplishes this, a separate written notification is not required.

6. Transfer of Ownership or Control

In the event of any change in control or ownership of facilities from which the authorized discharge emanates, the permittee shall submit to the Department 30 days prior to the actual transfer of ownership or control a written agreement between the current permittee and the new permittee containing: 1) the legal name and address of the new owner; 2) a specific date for the effective transfer of permit responsibility, coverage and liability; and 3) a certification of the continuity of or any changes in operations, wastewater discharge, or wastewater treatment.

If the new permittee is proposing changes in operations, wastewater discharge, or wastewater treatment, the Department may propose modification of this permit in accordance with applicable laws and rules.

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PART II

Section C. Management Responsibilities

1. Duty to Comply

All discharges authorized herein shall be consistent with the terms and conditions of this permit and the facility's certificate of coverage (COC). The discharge of any pollutant identified in this permit and/or the facility's COC more frequently than or at a level in excess of that authorized shall constitute a violation of the permit.

It is the duty of the permittee to comply with all the terms and conditions of this permit. Any noncompliance with the terms and conditions of this permit constitutes a violation of the Federal Act and/or the Michigan Act and constitutes grounds for enforcement action; for COC termination, revocation and reissuance, or modification; or denial of an application for permit or COC renewal.

2. Facilities Operation

The permittee shall, at all times, properly operate and maintain all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes adequate laboratory controls and appropriate quality assurance procedures.

3. Power Failures

In order to maintain compliance with the effluent limitations of this permit and prevent unauthorized discharges, the permittee shall either:

a. provide an alternative power source sufficient to operate facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit; or

b. upon the reduction, loss, or failure of one or more of the primary sources of power to facilities utilized by the permittee to maintain compliance with the conditions of this permit, the permittee shall halt, reduce or otherwise control production and/or all discharge in order to maintain compliance with the conditions of this permit.

4. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to the surface waters or groundwaters of the state resulting from noncompliance with any conditions specified in this permit including, but not limited to, such monitoring as necessary to determine the nature and impact of the discharge in noncompliance.

5. Containment Facilities

The permittee shall provide facilities for containment of any accidental losses of polluting materials in accordance with the requirements of the Part 5 Rules (Rules 324.2001 through 324.2009 of the Michigan Administrative Code). For Publicly Owned Treatment Works (POTW), these facilities shall be approved under Part 41 of the Michigan Act. Other state and federal laws and rules that require secondary containment include but are not limited to the following for flammable and combustible liquids: 1974 P.A. 154 (Michigan), as amended, Part 75 Flammable and Combustible Liquid Rules along with Federal Safety Standard 29 CFR 1910.106, 1941 P.A. 207 (Michigan), as amended, and Michigan Storage and Handling of Flammable And Combustible Liquids (FL/CL) rules; for highly hazardous chemicals: 1974 P.A. 154, as amended, and 29 CFR 1910.119; for hazardous waste: Michigan Act, Part 111 and rules, and the Federal Resource Conservation and Recovery Act (RCRA) 40 CFR 260 to 299; and for oil: 40 CFR 112.

PART II

Section C. Management Responsibilities

6. Waste Treatment Residues

Residuals (i.e. solids, sludges, biosolids, filter backwash, scrubber water, ash, grit or other pollutants) removed from or resulting from treatment or control of storm water, shall be disposed of in an environmentally compatible manner and according to applicable laws and rules. These laws may include, but are not limited to, the Michigan Act, Part 31 for protection of water resources, Part 55 for air pollution control, Part 111 for hazardous waste management, Part 115 for solid waste management, Part 121 for liquid industrial wastes, Part 301 for protection of inland lakes and streams, and Part 303 for wetlands protection. Such disposal shall not result in any unlawful pollution of the air, surface waters or groundwaters of the state.

7. Right of Entry

The permittee shall allow the Michigan Department of Environmental Quality, any agent appointed by the Department or the Regional Administrator, upon the presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and

b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect process facilities, treatment works, monitoring methods and equipment regulated or required under this permit; and to sample any discharge of pollutants.

8. Availability of Reports

Except for data determined to be confidential under Section 308 of the Federal Act and Rule 2128 (Rule 323.2128 of the Michigan Administrative Code), all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department and the Regional Administrator. As required by the Federal Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Federal Act and Sections 3112, 3115, 4106 and 4110 of the Michigan Act.

PART II

Section D. Activities Not Authorized by This Permit

1. Discharges Not Authorized by This Permit

This general permit does not authorize the following storm water discharges:

a. Storm water discharges associated with industrial activity that are permitted by an existing NPDES individual permit or a different general permit;

b. Storm water discharges associated with construction activities as identified under 40 CFR 122.26(b)(14)(x) or 40 CFR 122.26(b)(15). Storm water discharges associated with industrial activity that are mixed with storm water discharges associated with construction activities may be authorized by this permit if the discharge from the construction activity is in compliance with a national permit for storm water discharge from a construction activity (Rule 323.2190 of the Michigan Administrative Code);

c. Storm water discharges that have been determined by the Department to be contributing to unlawful pollution that cannot be adequately guarded against under the requirements of this permit. Such a determination constitutes grounds for revocation of a certificate of coverage issued under this permit;

d. Storm water discharges associated with industrial activity from inactive mining, inactive landfill, or inactive oil and gas operations occurring on federal lands where an operator cannot be identified;

e. Storm water discharges for which federal effluent limitation guidelines exist. The following industrial categories have storm water effluent limitation guidelines in the Code of Federal Regulations: cement manufacturing (40 CFR 411); feedlots (40 CFR 412); fertilizer manufacturing (40 CFR 418); petroleum refining (40 CFR 419); phosphate manufacturing (40 CFR 422); steam electric (40 CFR 423); coal mining (40 CFR 434); mineral mining and processing (40 CFR 436); ore mining and dressing (40 CFR 440); and asphalt emulsion (40 CFR 443 Subpart A);

f. Storm water discharges from facilities on Michigan's List of Sites of Environmental Contamination pursuant to Part 201 (Environmental Response) of the Michigan Act where known or potential impacts on surface waters exist, and the Department has made a determination in accordance with Part II.D.1.c. of this permit. These discharges are eligible to be authorized by a certificate of coverage issued under a general permit for Storm Water Discharges with Required Monitoring;

g. Storm water trapped in secondary containment structures required by state or federal law. These discharges are eligible to be authorized by a certificate of coverage issued under a general permit for Storm Water Discharges with Required Monitoring;

h. Storm water discharges to groundwaters; and

i. Storm water discharges from facilities requesting first-time authorization to discharge to wild or wilderness rivers or water bodies within the boundaries of national lakeshores or national parks, which are designated “outstanding state resource waters” pursuant to Michigan Water Quality Standards.

2. Civil and Criminal Liability

Except as provided in permit conditions on "By-Pass" (Part II.B.4. pursuant to 40 CFR 122.41(m)), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance, whether or not such noncompliance is due to factors beyond the permittee’s control, such as accidents, equipment breakdowns, or labor disputes.

PART II

Section D. Activities Not Authorized by This Permit

3. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee may be subject under Section 311 of the Federal Act except as are exempted by federal regulations.

4. State Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the Federal Act.

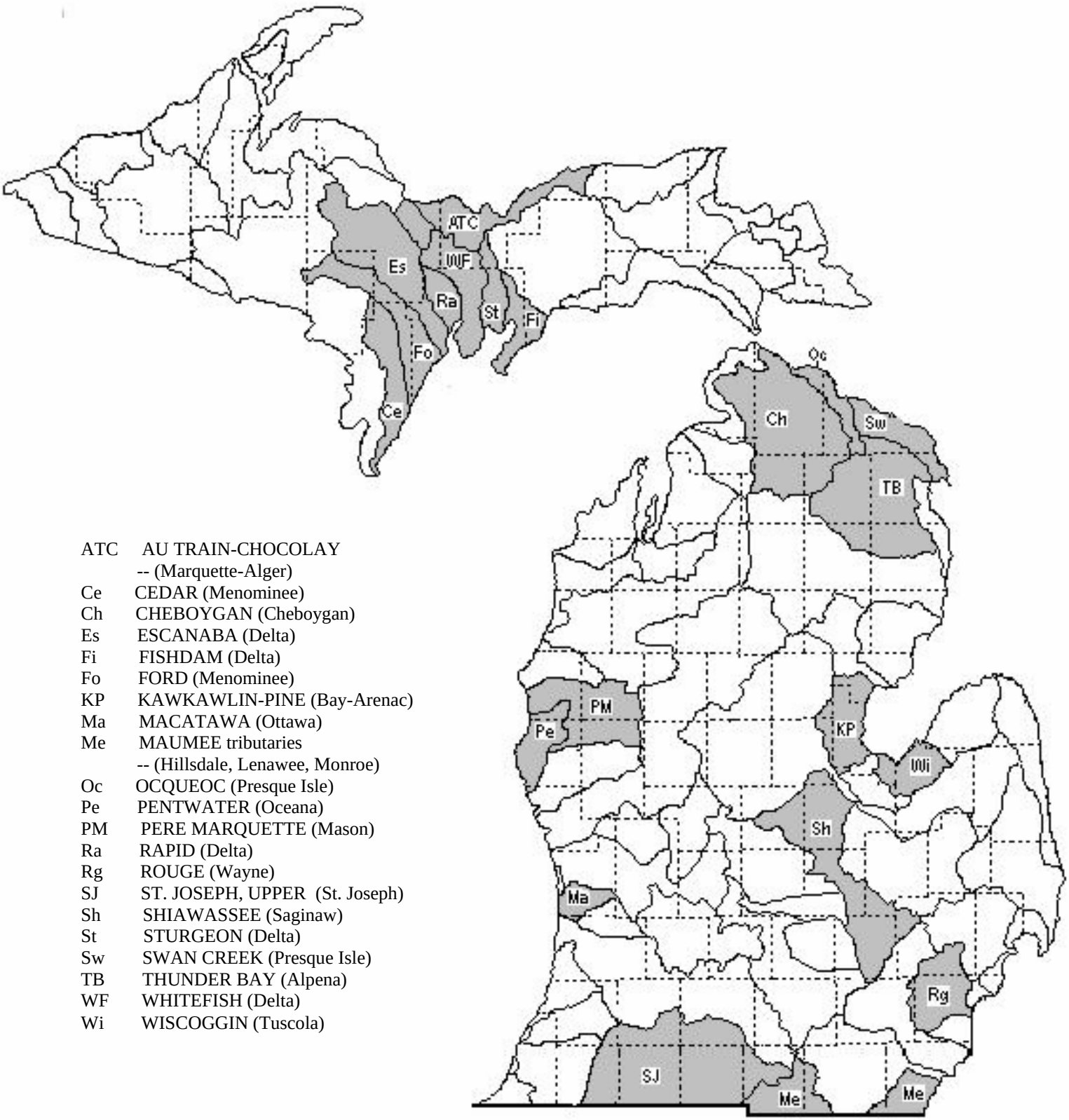
5. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize violation of any federal, state or local laws or regulations, nor does it obviate the necessity of obtaining such permits, including any other Department of Environmental Quality permits, or approvals from other units of government as may be required by law.

PART II

Section E. Cycle-Year 2 Watersheds

Cycle-year 2 watersheds are shaded in the map below, and named according to the principal water body in the watershed. On the key below, the name of the principal water body is followed by the name of the county (in parentheses) where the most downstream segment of the principal water body is located.



ATC AU TRAIN-CHOCOLAY -- (Marquette-Alger)
Ce CEDAR (Menominee)
Ch CHEBOYGAN (Cheboygan)
Es ESCANABA (Delta)
Fi FISHDAM (Delta)
Fo FORD (Menominee)
KP KAWKAWLIN-PINE (Bay-Arenac)
Ma MACATAWA (Ottawa)
Me MAUMEE tributaries -- (Hillsdale, Lenawee, Monroe)
Oc OCQUEOC (Presque Isle)
Pe PENTWATER (Oceana)
PM PERE MARQUETTE (Mason)
Ra RAPID (Delta)
Rg ROUGE (Wayne)
SJ ST. JOSEPH, UPPER (St. Joseph)
Sh SHIAWASSEE (Saginaw)
St STURGEON (Delta)
Sw SWAN CREEK (Presque Isle)
TB THUNDER BAY (Alpena)
WF WHITEFISH (Delta)
Wi WISCOGGIN (Tuscola)

APPENDIX B

Fueling Services Inspection Forms

DELTA COUNTY AIRPORT

INTO-PLANE FUELING EQUIPMENT CHECKS (Refer To Section 2-6)

STATION ESC | EQUIPMENT ID# 1 | MONTH_____ YEAR_____

DAILY - USE APPLICABLE RATINGS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1 GENERAL CONDITION																															
2. FILTER SUMPS - RECORD RATINGS																															
3 FILTER DIFFERENTIAL PRESSURE - PSI																															
4. DEADMAN CONTROLS																															
5 BRAKE (SAFETY) INTERLOCKS																															
6 NOZZLE FUELING PRESSURE																															
7 HOSES, NOZZLES AND SWIVELS																															
8. STATIC REELS, CABLES AND CLAMPS																															
9. LIFT PLATFORMS N/A																															
10 FIRE EXTINGUISHERS																															
11. SURGE/WASTE TANKS N/A																															
12. AIR TANKS – Drain																															
13. TANKER TROUGHS																															
14. TANKER SUMPS - RECORD RATINGS																															
15. TANKER BOTTOM LOADING PRE-CHECK																															
16. Engine Oil Level																															
17. Fuel Tank Level																															
IDENTIFICATION OF PERSON PERFORMING TASKS OR PERSON ACCEPTING RESPONSIBILITY THAT TASKS WERE PERFORMED																															

RATINGS: S = SATISFACTORY, C = COMMENT (COMMENT REQUIRED IN REMARKS SECTION), NU = NOT USED, NA = NOT APPLICABLE
JAR SAMPLE RATINGS: SOLIDS: 1 = CLEAN, 2 = SLIGHT, 3 = PARTICULATE, 4 = DIRTY; WATER: A = BRIGHT, B = HAZY, C = CLOUDY, D = WET

REMARKS:

1 of 2

AIN ON FILE FOR 12 MONTHS

Original Date November 1, 2000.
Revision Date _____

Kenneth M. Fair 11/30/2005
FAA Approval

FORM 103 04A

INTO-PLANE FUELING EQUIPMENT CHECKS (REFER TO SECTION 2-6)		MONTHLY	
	RATING	DATE	SIGNATURE
1 FILTRATION TEST			
2 STATIC SYSTEM CONTINUITY TEST			
3 NOZZLE SCREENS			
4 FUEL HOSES			
5 SIGNS AND PLACARDS			
6 METER SEALS			
7 FIRE EXTINGUISHERS			
8 EMERGENCY SHUTDOWN SYSTEM / MARKED			
9 LIFT PLATFORMS			
10 TANK INTERIORS			
11 TANK VENTS AND DOME COVERS			
12 TANK TROUGH DRAINS			
13 FUEL VEHICLE PARKING / TRUCK CONDITION			
14 FUEL LEAKS			
15 GASKETED DOME COVERS			
16 VEHICLE EXHAUST SYSTEMS			
17 FILTER CHANGE			
18 BATTERY LEVEL			
19 RADIATOR LEVEL			
REMARKS			
GROUNDING RODS AVAILABLE			
FUELING PROCEDURES OBSERVED			
PERSONNEL TRAINING REQUIREMENTS			

Kenneth R. Taire

EXHIBIT 9

FUEL FACILITY CHECKS														STATION						FACILITY							MONTH				
DAILY USE APPLICABLE RATINGS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1 GENERAL CONDITION OF TANK YARD																															
2 SECURITY FIRE & SAFETY DEFICIENCIES																															
3 FUEL LEAKS																															
4 HOSES, NOZZLES AND SWIVELS																															
5 BONDING REELS, CABLES AND CLAMPS																															
6 FIRE EXTINGUISHERS																															
7																															
8																															
IDENTIFICATION OF PERSON PERFORMING TASKS OR PERSON ACCEPTING RESPONSIBILITY THAT TASKS WERE PERFORMED.																															

MONTHLY - USE APPLICABLE RATINGS	DATE:	SIGNATURE:	MONTHLY - USE APPLICABLE RATING:	DATE:	SIGNATURE:	RATINGS:	
1 FILTRATION TEST			6 DEAD MAN CONTROLS			S	SATISFACTORY
2 BONDING CABLE COMPANY			7 EMERGENCY FUEL CUTOFFS / MARKED			C	COMMENT
3 NOZZLE SCREENS			8 METER CALIBRATION			N/U	NOT USED
4 SIGNS & PLACARDS (NO SMOKING / FLAMMABLE)			9 FILTER CHANGE			N/A	NOT APPLICABLE
5 FLOATING SUCTION			10 FIRE EXTINGUISHERS				

NOTE #1 - SUMP SAMPLE RATINGS: SOLIDS - (1) CLEAR (2) SLIGHT (3) PARTICULATE (4) DIRTY; WATER - (A) BRIGHT (B) HAZY (C) CLOUDY (D) WET (E) SURFACTANTS

NOTE #2 - MULTIPLE TANKS, FILTERS AND OTHER EQUIPMENT MUST HAVE SUPPORTING DOCUMENTATION SHOWING RESULTS OF REQUIRED CHECKS.

SIGNATURE OF PERSON PERFORMING ACTUAL CHECKS MUST BE ON SUPPORTING DOCUMENTS.

NOTE #3 - RECORD SUMP RESULTS & FILTER DIFFERENTIAL PRESSURE ON BACK OF FORM.

REMARKS:

Original Date November 1, 2000

Revision Date _____

Kenneth M. Taira 11/30/00
FAA Approval

Revision: 15
Date: April 2, 1997
Supersedes: All Previous

TANK SUMP RESULTS (Refer to Section 2-4)

SUMP TANKS DAILY - RECORD RESULTS-NOTE 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

FILTER SUMP RESULTS (Refer to Section 2-4)

SUMP FILTERS DAILY-RECORD RESULTS-NOTE 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
100LL																															
Jet A																															

FILTER DIFFERENTIAL PRESSURE (Refer to Section 2-4)

RECORD DAILY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Jet A																															

NOTE #1 - RATING OF SUMP SAMPLES SOLIDS - (1) CLEAR (2) SLIGHT (3) PARTICULATE (4) DIRTY; WATER - (A) BRIGHT (B) HAZY (C) CLOUDY (D) WET (E) SURFACTANTS

RETAIN ON FILE FOR 12 MONTHS

FORM 103.018

Kenneth W. Taira
11/20/2001