

**City of Dearborn**  
**Department of Parks and Recreation**  
**Aquatics Division**  
**The Jack Dunworth Memorial Pool**

MICHIGAN DEPARTMENT OF ENVIRONMENTAL  
QUALITY  
PART 5 RULES

Pollution Incident Prevention Plan

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# Chapter 1: General Facility Information

Table 1: General Facility Information

<b>NAME OF FACILITY:</b>	Jack Dunworth Memorial Pool
<b>FACILITY ADDRESS:</b>	801 N. Denwood Dearborn MI, 48128
<b>SPILL PREVENTION AND CONTROL COORDINATOR</b>	
Name and Title:	Teddy Shaskos- Facility Coordinator
Mailing Address:	15801 Michigan Ave. Dearborn MI, 48126
Telephone:	(313) 719-0474
Email:	<a href="mailto:tshaskos@ci.dearborn.mi.us">tshaskos@ci.dearborn.mi.us</a>
<b>FACILITY CONTACT SPILL PREVENTION AND CONTROL COORDINATOR</b>	
Name and title:	Dan Plamondon, Assistant Director of Parks and Recreation
Telephone:	(313) 943-2411 C (734) 732-0113
Email:	<a href="mailto:dplamondon@ci.dearborn.mi.us">dplamondon@ci.dearborn.mi.us</a>
24-Hour Emergency Telephone:	Police Dispatch (313) 943-2100

## Chapter 2: Spill Response Team

The City of Dearborn Jack Dunworth Memorial Pool Complex has one main building, and one mechanical pool filtration and circulation building with one above ground 500 gallon and one 250 gallon Sodium Hypochlorite (liquid Chlorine) tanks. The facility also contains 20, 5-gallon carboys that are used for water quality and water pollution mitigation. The facility also stores Muriatic Acid on the opposite side of the facility in one gallon containers of approximately 50-80 gallons at one time. The Facility stores chlorine threshold management quantities that require the development of a Pollution Incident Prevention Plan (PIPP). The City of Dearborn Parks and Recreation staff identified to assist in pollution incident prevention activities is as follows:

Table 2: Spill Response Team

<b>NAME AND TITLE</b>	<b>RESPONSIBILITY</b>
Teddy Shaskos Facility Coordinator  or  Dan Plamondon Assistant Director of Parks and Recreation	Example: Spill Response Program Oversight
Park Ranger/Manager or Head Lifeguard.	Example: Onsite spill prevention and control, Surveillance and monitoring activities

## Chapter 3: Site Map

The City of Dearborn Jack Dunworth Memorial Pool Complex has one main building, and one mechanical pool filtration and circulation building with one above ground 500 gallon and one 250 gallon Sodium Hypochlorite (liquid Chlorine) tanks. The facility also contains 20, 5-gallon carboys that are used for water quality and water pollution mitigation. The facility also stores Muriatic Acid on the opposite side of the facility in one gallon containers of approximately 50-80 gallons at one time. The Facility stores chlorine threshold management quantities that require the development of a Pollution Incident Prevention Plan (PIPP).

Mechanical Pump Room



# Chapter 4: Polluting Material Inventory

## Inventory and Description of Polluting Materials

To identify potential sources of significant materials, City staff, with the assistance of the Southeast Michigan Council of Governments (SEMCOG) conducted an inventory of municipal buildings, activities and materials that may be identified as polluting materials under Part 5 at the City of Dearborn Parks and Recreation Facility. The MSDS for all materials are located inside the Head Lifeguard Office. The polluting materials stored onsite requiring a PIPP include the following:

Material Name	Quantity Stored	Location
1.Sodium Hypochlorite solution 11-16%  2.Muratic Acid	1. Approximately 1,000 gallons  2. Approximately 50-80 Gallons	1. One 500 gallon above ground storage tank located on the East side of the Pump/Mechanical Room inside cinderblock retention walls, also a 250 gallon above ground tank along side at the same location. 15-20 5-gallon carboys housed in a fenced area on the west side of the Pump/Mechanical House.  2. housed in a case of 4 1-gallon container off the ground on pallets/separated by space from chlorine.

### Sodium Hypochlorite Solution Storage Description

Stored Outside of Pump/Mechanical House:

The two larger tanks described in the table directly above are housed within a cinder block structure, measurements consisting of 12.6' L x 6.8' W x 6.8' H. This area is marked "CHLORINE" on the retention walls. The smaller carboys (5-gallon) are housed within a fenced enclosure, measurements consisting of 5.8'L x 5.7'W x 7.25'H located on the west side of the Pump Mechanical House. All bulk chlorine is kept on the outside of the pumphouse unless in use. The large tanks are distributed by peristaltic pumps designed to meter a specific amount of chlorine at one time. The pool attendant has the ability to adjust the rate of delivery.

### Muriatic Acid Storage Description

Stored on the inside of the building on pallets.

Acid is stored in cardboard case in 4, 1-gallon sealed plastic bottles. Distribution is regulated by peristaltic pumping systems however only set up when the pool chemistry is demanding acid. Manual adjustments that must be made to address issues such as total alkalinity are performed during non-operational hours

One gallon containers are rinsed out after acid has been utilized and then disposed of in the trash.

## Spill Response Procedures and Equipment

If chemicals are released to the environment in the following quantities, Emergency Services will be contacted.

To The Ground:		To Waters of the State:		To Sanitary Sewer ( <i>contact WWTP only</i> ):	
NaCLO HCL	7 gallons	NaCLO HCL	Any quantity that causes visible sheens, oil films, unnatural turbidity, foams or deposits in water body.	NaCLO HCL	Any quantity not currently authorized by receiving WWTP

A report shall be created and sent to the following agencies, should a release occur:

During Regular Business Hours:

SE Michigan District Office  
27700 Donald CT  
Warren MI 48092-2793  
(586) 753-3700

During Non-Business Hours:

Pollution Emergency Alert System (PEAS)  
1-800-292-4706

## Chapter 5: Surveillance

The Part 5 Rules indicate that “adequate surveillance” of the manufacturing process, treatment system, and storage areas for chemicals shall be conducted to detect any material loss in a timely manner and implement procedures to prevent materials from reaching waters of the state.

All chemicals are visually monitored hourly by maintenance lifeguard for approximately 16 hours per day while in shift.

## Chapter 6: Three-Year Plan Review

The completed PIPP requires that City of Dearborn will notify the DEQ Water Bureau District Office within 30 days at:

SE Michigan District Office  
27700 Donald CT  
Warren MI 48092-2793  
(586) 753-3700

City of Dearborn will also notify the following agencies that the PIPP requirements have been completed:

1. Wayne County Health Department  
Michelle Varran  
Septage/Sewage Manager  
33030 Van Born Rd.  
Wayne, MI 48184  
Phone: 734-727-7400
2. Local Emergency Planning Committee:  
Ms. Lisa DiRado  
10250 Middlebelt  
Detroit MI 48242  
734-942-5289

Part 5 requires that the PIPP be evaluated every three years and after any release requiring implementation of the Plan. The Plan will also be updated if any facility personnel, processes, materials, or procedures that were included in the plan change (See **Appendix A** for PIPP Review Form).

Based on the three-year review, the City of Dearborn Parks and Recreation staff will amend the PIPP as needed to ensure continued compliance with the terms and conditions of Part 5. Recertification and re-notification of updates need to be sent to the DEQ District Office, the Wayne County Health Department, and the Local Emergency Planning Committee.

The City of Dearborn Parks and Recreation Staff will maintain records of all PIPP-related inspections and activities, including Routine Inspections, Three-Year Review, and Spill Reports. All such records will be retained for three years.



# Appendix A: Three-Year PIPP Review Form

Date of Review:
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<b>Reviewer Name</b>	
Print:	Signature:

1) Facility general information and Spill Response Team information is current and accurate	Yes	No
2) Site map is current and accurate	Yes	No
3) Polluting material inventory is current and accurate	Yes	No
4) New exposures, processes and related controls have been documented	Yes	No
5) Spills have been recorded and reported as appropriate	Yes	No
6) Review Routine Inspections to ensure all repairs or actions have been made as necessary	Yes	No
7) Review spill reports (if applicable)	Yes	No
8) Review Spill Response Procedures and phone numbers for updates	Yes	No
9) Ensure Material Safety Data Sheets are up-to-date and accessible	Yes	No

Additional Comments:
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## Appendix B: Dunworth Pool Facility Spill Response Plan – Pool Chemicals.

EMERGENCY NUMBERS (to be posted at key telephones throughout facility)

<b>Agency Name</b>	<b>Phone Number</b>
<b>Local Fire Department</b>	
Emergency	<b>911</b>
Nonemergency	<b>(313) 943-2100</b>
<b>Police</b>	
Emergency	<b>911</b>
Nonemergency	<b>(313) 943-2100</b>
<b>Wayne County Environmental Health Department</b>	
Nonemergency	<b>734-727-7000</b>
<b>U.S. Coast Guard</b>	
National Response Center	<b>800-424-8802</b>
<b>Michigan Department of Environmental Quality (DEQ)</b>	
<b>8:00 a.m. – 5:00 p.m.</b> Southeast Michigan District Office	<b>(586) 753-3700</b>
<b>After Hours:</b> PEAS Hotline	<b>1-800-292-4706</b>
<b>EMERGENCY SPILL RESPONSE COMPANY</b>	
Inland Water Pollution Control Inc. 4086 Michigan Avenue Detroit, MI. 48210 Walter Rozycki	<b>1-877-478-3205</b> <b>1-313-899-3014</b> <b>1-313-841-5800</b>
<b>Waste Water Treatment Plant</b>	
For spills into the sanitary system, contact the local WWTP Plant Operations	DWSD System Control 1-313-267-6000 1-313-297-0275

# SPILL RESPONSE PLAN – Chlorine (NaCLO) Or (HCL) Muriatic Acid (Greater than 7 gallons)

1. Make sure area is safe for entry and the spill does not pose an immediate threat to health or safety of responder
2. Stop source of spill (plug hole, shut off valve, etc.)
3. Call Recreation Administration (313) 943-2410 to make them aware of the spill and potential dangers. Notify police and fire departments if necessary for possible lane closure and need for assistance.
4. After Hours Call: Teddy Shaskos- 313-719-0474 or Dan Plamondon 734-732-0113

**5. IF NECESSARY, CONTACT SPILL RESPONSE SERVICES FROM:**

Inland Water Pollution Control Inc. Walter Rozycki	<b>1-877-478-3205</b> <b>1-313-841-5800</b>
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6. For both outdoor and indoor spills, protect nearby drains from Sodium Hypochlorite (Chlorine) by blocking with absorbent pads, and absorbent spill powder (do not flush with water until powder has absorbed, and the contaminants have properly been stored). Properly dispose of clean-up materials.
7. For Muriatic Acid the same process would be used however sodium bicarbonate (Baking Soda) would be added to the absorbent powder to reduce CO2 foaming and gas release.

8. A call to the DEQ or PEAS will be made to report the release:

**During Regular Business Hours:**

SE Michigan District Office  
27700 Donald CT  
Warren MI 48092-2793  
(586) 753-3700

**During Non-Business Hours:**

Pollution Emergency Alert System (PEAS)  
1-800-292-4706

9. A written report **MUST** be submitted within 10 days after the release to:

**MDEQ Water Bureau Chief**

525 West Allegan Street  
P.O. Box 30473  
Lansing, MI 48909-7973

**Wayne County Health Department**

Carol Austerberry, Director of  
Environmental Health  
33030 Van Born Rd.  
Wayne, MI 48184  
Phone: 734-727-7000

**AVAILABLE SPILL RESPONSE EQUIPMENT [REQUIRED TO LIST, EDIT AS NECESSARY]**

- 20-50 lb floor dry
- 2 - Brooms
- 2 – Shovels
- Caution Tape

## Appendix C: SPILL REPORTING SHEET

<b>Date of Incident</b>	
<b>Time of Incident</b>	
<b>Location &amp; Cross Streets</b>	
<b>Type of Spill</b>	
<b>Estimated Quantity</b>	
<b>Reported To</b>	
<b>Time Reported</b>	
<b>Responsible Party</b>	
<b>Address</b>	
<b>Phone Number/Contact</b>	
<b>Describe materials used to clean up spill:</b>	
<b>Describe response measures that have been done, and the schedule for completion of other measures to be taken, or both</b>	
<b>Describe measures taken to prevent recurrence of similar releases</b>	
<b>Completed By:</b>	

### Additional Notes: