

NPDES Permit No. IL0080058
Notice No. MEL:14022001.docx

Public Notice Beginning Date: **April 7, 2014**

Public Notice Ending Date: **May 7, 2014**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

Draft New NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet Issued By:

Illinois Environmental Protection Agency
Bureau of Water
Division of Water Pollution Control
Permit Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
217/782-0610

Name and Address of Permittee:

Illinois Marine Towing, Inc.
23213 S. Youngs Road
Channahon, Illinois 60410

Name and Address of Facility:

Illinois Marine Towing, Inc.
15330 Canal Bank Road
Lemont, Illinois 60439
(Cook County)

The Illinois Environmental Protection Agency (IEPA) has made a tentative determination to issue a NPDES permit to discharge into the waters of the state and has prepared a draft permit and associated fact sheet for the above named Permittee. The Public Notice period will begin and end on the dates indicated in the heading of this Public Notice/Fact Sheet. The last day comments will be received will be on the Public Notice period ending date unless a commentor demonstrating the need for additional time requests an extension to this comment period and the request is granted by the IEPA. Interested persons are invited to submit written comments on the draft permit to the IEPA at the above address. Commentors shall provide his or her name and address and the nature of the issues proposed to be raised and the evidence proposed to be presented with regards to those issues. Commentors may include a request for public hearing. Persons submitting comments and/or requests for public hearing shall also send a copy of such comments or requests to the permit applicant. The NPDES permit and notice number(s) must appear on each comment page.

The application, engineer's review notes including load limit calculations, Public Notice/Fact Sheet, draft permit, comments received, and other documents are available for inspection and may be copied at the IEPA between 9:30 a.m. and 3:30 p.m. Monday through Friday when scheduled by the interested person.

If written comments or requests indicate a significant degree of public interest in the draft permit, the permitting authority may, at its discretion, hold a public hearing. Public notice will be given 45 days before any public hearing. Response to comments will be provided when the final permit is issued. For further information, please call Mark E. Liska at 217/782-0610.

The applicant cleans and repairs barges (SIC 3731). Waste water is generated from the discharge of boiler condensate and boiler blowdown from the barge heating system. Plant operation results in an average discharge of 0.0432 MGD of boiler condensate from outfall 001 and an intermittent discharge (less than 50 GPD) of boiler blowdown from outfall 002.

Application is made for the existing discharge(s) which is located in Cook County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

Outfall	Receiving Stream	Latitude	Longitude	Stream Classification	Integrity Rating		
001	Chicago Sanitary and Ship Canal	41° 41' 4"	North	87° 59' 20"	West	Secondary Contact	Not Rated
002	Chicago Sanitary and Ship Canal	41° 41' 4"	North	87° 59' 20"	West	Secondary Contact	Not Rated

To assist you further in identifying the location of the discharge please see the attached map.

The stream segment GI-02 receiving the discharge from outfall(s) 001 and 002, is on the 2012 303(d) list of impaired waters and is not a biologically significant stream on the 2008 Illinois Department of Natural Resources Publication – *Integrating Multiple Taxa in a Biological Stream Rating System*.

The following parameters have been identified as the pollutants causing impairment:

Pollutants	Potential Contributors
Fish Consumption	PCBs
Indigenous Aquatic Life Uses	Iron, Oil & Grease, Dissolved Oxygen, Phosphorus

The discharge(s) from the facility shall be monitored and limited at all times as follows:

Outfall: 001

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/L		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
Flow						35 IAC 309.146
pH					6.0-9.0	35 IAC 304.125
Temperature					Monitor Only	35 IAC 309.146

Outfall 002

Flow						35 IAC 309.146
pH					6.0-9.0	35 IAC 304.125
Temperature					Monitor Only	35 IAC 309.146
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	30	35 IAC 304.124

The following explain the conditions of the proposed permit:

Special Conditions will require monthly monitoring will require monthly DMR submission, define the discharges in outfalls 001 and 002 and outline temperature rules.

Antidegradation Assessment for Illinois Marine Towing, Inc.
NPDES Permit No. IL0080058 Cook County

This facility transfers products from barges containing generic products and cleans these barges. The barges are specially constructed to accept steam that envelops the product compartments and heats the residual product, allowing the product to be removed. The steam condensate exits the barge through multiple discharge ports (Outfall 001). The condensate is discharged at a temperature up to 150 degrees F, however, the volume is low and the multiple discharge ports disperse the hot water in the receiving stream. The average flow of this outfall is 0.0432 MGD. Outfall 002 is boiler blowdown from steam generation with an average flow of 50 gallons per day.

Identification and Characterization of the Affected Water Body.

The receiving water is the Chicago Ship and Sanitary Canal (segment code GI-02). The Chicago Ship and Sanitary Canal is listed as an impaired water in the draft 2012 Illinois Integrated Water Quality Report and Section 303(d) List for fish consumption and indigenous aquatic life uses. The causes of indigenous aquatic life use impairment are given as iron, oil & grease, dissolved oxygen and total phosphorus. The cause of fish consumption use impairment is given as PCBs. The Chicago Ship and Sanitary Canal at this location is not a biologically significant stream nor is it given an integrity rating in the 2008 Illinois Department of Natural Resources Publication *Integrating Multiple Taxa in a Biological Stream Rating System*. The Chicago Ship and Sanitary Canal is not an enhanced water body pursuant to the dissolved oxygen water quality standard.

Identification of Proposed Pollutant Load Increases or Potential Impacts on Uses.

While the temperature of the 001 effluent is high, the volume per treatment is very small and as such, the overall temperature regime of the canal will not be altered. Allowed mixing is granted. No thermal limits are necessary in the permit. No impact on aquatic life or other uses of the canal is anticipated as ambient temperatures will be attained within a few feet of the barge discharges.

Fate and Effect of Parameters Proposed for Increased Loading.

Steam condensate is very pure water and given that the steam does not contact the products to be removed from the barges, the discharge is simply clean water with the only elevated parameter being heat. The hot water will dissipate upon entering the canal with no general effect on the overall temperature regime of the canal.

Purpose and Anticipated Benefits of the Proposed Activity.

The proposed activity will allow the company to unload product-containing barges and clean barges of residual product. The company will thereby be more viable and will retain jobs employing local citizens.

Assessments of Alternatives for Less Increase in Loading or Minimal Environmental Degradation.

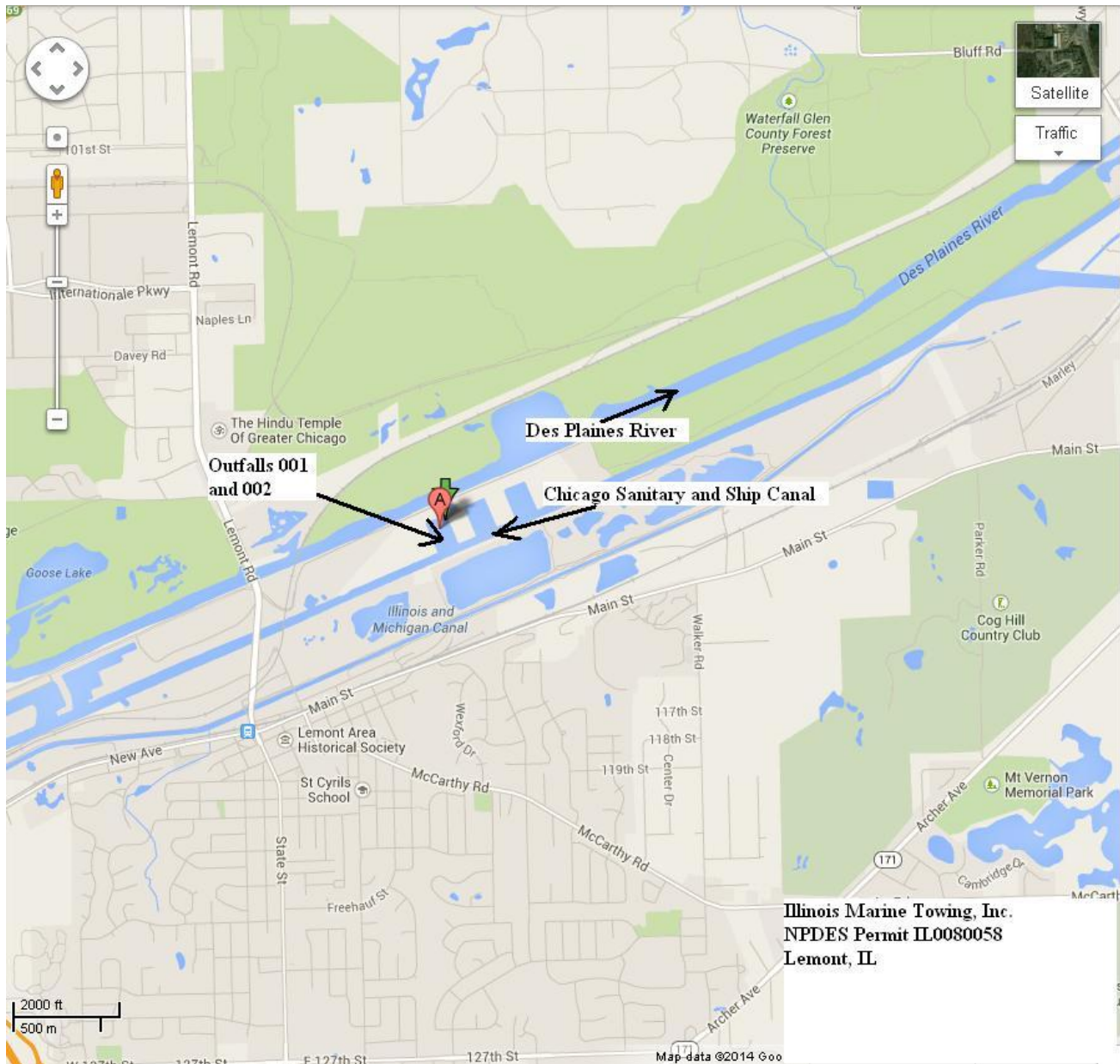
Barges used to transport products are designed to be unloaded and cleaned as described above using steam to make the products less viscous. Another nearby facility (Loders Crocklaan) has an NPDES permit for the same process as sought here. Given the industry standard of barge design, there are no options for alternate handling of the products. Any apparatus for collecting the steam condensate and bringing it to land would be cumbersome and expensive as it would have to be rigged and taken apart for each barge cleaned. Given the small volumes involved, the added inconvenience of bringing the condensate to land would make no difference to the temperature regime of the canal.

Summary Comments of the Illinois Department of Natural Resources, Regional Planning Commissions, Zoning Boards or Other Entities

An Eco-CAT endangered species consultation submitted on March 28, 2014 to the Illinois Department of Natural Resources resulted in the identification of several terrestrial and aquatic threatened or endangered species residing in the area of the facility. A letter dated March 31, 2014 was received from IDNR stating that consultation was terminated based on their further review which found that adverse effects from the new discharges are unlikely.

Agency Conclusion.

This preliminary assessment was conducted pursuant to the Illinois Pollution Control Board regulation for Antidegradation found at 35 Ill. Adm. Code 302.105 (antidegradation standard) and was based on the information available to the Agency at the time the draft permit was written. We tentatively find that the proposed activity will result in the attainment of water quality standards; that all existing uses of the receiving stream will be maintained; that all technically and economically reasonable measures to avoid or minimize the extent of the proposed increase in pollutant loading have been incorporated into the proposed activity; and that this activity will benefit the community at large through the maintenance of jobs. Comments received during the NPDES permit public notice period will be evaluated before a final decision is made by the Agency.



NPDES Permit No. IL0080058

Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue East

Post Office Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Reissued (NPDES) Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

Illinois Marine Towing, Inc.
23213 S. Youngs Road
Channahon, Illinois 60410

Facility Name and Address:

Illinois Marine Towing, Inc.
15330 Canal Bank Road
Lemont, Illinois 60439
(Cook County)

001 Boiler Condensate
002 Boiler Blowdown

Chicago Sanitary and Ship Canal
Chicago Sanitary and Ship Canal

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of Ill. Adm. Code, Subtitle C and/or Subtitle D, Chapter 1, and the Clean Water Act (CWA), the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

Alan Keller, P.E.
Manager, Permit Section
Division of Water Pollution Control

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NPDES Permit No. IL0080058

Effluent Limitations and Monitoring

1. From the effective date of this permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall: 001 – Boiler Condensate (Discharge = 0.0432 MGD)

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/L		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow	See Special Condition 1				Daily	Estimate
pH	See Special Condition 2				1/Month	Grab
Temperature	See Special Condition 3				1/Month	Single-Reading

Outfall 002: Boiler Blowdown (Discharge = Intermittent, less than 50 GPD)

Flow	See Special Condition 1			Continuous*	Measure When Discharging
pH	See Special Condition 2			1/Quarter*	Grab
Temperature			Monitor Only	1/Quarter*	Single-Reading
Total Suspended Solids		15	30	1/Quarter*	Grab
Oil and Grease		15	30	1/Quarter*	Grab

*Quarterly samples shall be taken in the months of January, April, July, and October and reported the following month on the DMR form.

Special Conditions

SPECIAL CONDITION 1. Flow shall be reported as a daily maximum and a monthly average in million gallons per day on the DMR form.

SPECIAL CONDITION 2. The pH shall be in the range 6.0 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 3. This facility meets the allowed mixing criteria for thermal discharges pursuant to 35 IAC 302.102. No reasonable potential exists for the discharge to exceed thermal water quality standards. This determination is based on an average daily flow of 0.0432 MGD and a maximum temperature of 150 °F per discharge. The permittee shall monitor the flow and temperature of the discharge prior to entry into the receiving water body. Monitoring results shall be reported on the monthly Discharge Monitoring Report. This permit may be modified to include formal temperature limitations should the results of the monitoring show that there is reasonable potential to exceed a thermal water quality standard. Modification of this permit shall follow public notice and opportunity for comment.

There shall be no abnormal temperature changes that may adversely affect aquatic life unless caused by natural conditions. The normal daily and seasonal temperature fluctuations which existed before the addition of heat due to other natural causes shall be maintained.

SPECIAL CONDITION 4. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.

SPECIAL CONDITION 5. If an applicable effluent standard or limitation is promulgated under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act and that effluent standard or limitation is more stringent than any effluent limitation in the permit or controls a pollutant not limited in the NPDES Permit, the Agency shall revise or modify the permit in accordance with the more stringent standard or prohibition and shall so notify the permittee.

SPECIAL CONDITION 6. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) Forms using one such form for each outfall each month.

In the event that an outfall does not discharge during a monthly reporting period, the DMR Form shall be submitted with no discharge indicated.

The Permittee may choose to submit electronic DMRs (NetDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the NetDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/net-dmr/index.html>.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 15th day of the following month, unless otherwise specified by the permitting authority.

Permittees not using NetDMRs shall mail Discharge Monitoring Reports with an original signature to the IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

Attention: Compliance Assurance Section, Mail Code # 19

SPECIAL CONDITION 7. For the purpose of this permit, the discharge from outfall 001 is limited to boiler condensate, free from process and other wastewater discharges. The discharge from outfall 002 is limited to boiler blowdown, free from process and other wastewater discharges. In the event that the permittee shall require the use of water treatment additives, the permittee must request a change in this permit in accordance with the Standard Conditions -- Attachment H.

