

NPDES Permit No. IL0080159
Notice No. SMT:19082701.smt

Public Notice Beginning Date: **December 18, 2019**

Public Notice Ending Date: **January 17, 2020**

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 Discharger:

Speedco 949
10601 North Pennsylvania Avenue
Oklahoma City, Oklahoma 73120

Name and Address of Facility:

Speedco 949
2180 Liebler Road
Troy, Illinois 62294
(Madison 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 discharger. 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 Shu-Mei Tsai at 217/782-0610.

The applicant is engaged in operating a truck maintenance station (SIC 7538). Plant operation results in an average discharge of 0.006 MGD of treated process wastewater and groundwater collection from outfall 001.

Application is made for the existing discharge which is located in Madison County, Illinois. The following information identifies the discharge point, receiving waters and waters classifications:

Outfall	Receiving Waters	Latitude	Longitude	Waters Classification	Biological Water Characterization
001	Unnamed Tributary to Canteen Creek and Wendell Branch	38° 44' 15" North	89° 54' 30" West	General Use	Not Rated

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

The subject facility discharges to an unnamed tributary of Wendell Branch at a point where 0 cfs of flow exists upstream of the outfall during critical 7Q10 low-flow conditions. The unnamed tributary of Wendell Branch is classified as a General Use Water. The unnamed tributary of Wendell Branch is not listed as a biologically significant stream in the 2008 Illinois Department of Natural Resources Publication *Integrating Multiple Taxa in a Biological Stream Rating System*, nor is it given an integrity rating in that document. The unnamed tributary of Wendell Branch, tributary to Waterbody Segment, IL_ODM, is not listed on the draft 2016 Illinois Integrated Water Quality Report and Section 303(d) List since it has not been assessed. The unnamed tributary of Wendell Branch is not subject to enhanced dissolved oxygen standards.

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

Outfall 001: Treated Process Wastewater and Groundwater Collection (DAF= 0.006 MGD)

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/l		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
Flow (MGD)						
pH						35 IAC 302.124
BOD ₅				10.0	20.0	35 IAC 304.120
Total Suspended Solids				12.0	24.0	35 IAC 304.120
Oil & Grease				15.0	30.0	35 IAC 304.124

The following explain the conditions of the proposed permit:

The special conditions clarify flow measurement and reporting, pH, monitoring locations, and discharge monitoring report submission.

**Antidegradation Assessment
NPDES Permit No. IL0080159 (Madison County)**

The facility's basement sump is designed to capture groundwater infiltration into the building. The groundwater was previously sent through an oil/water separator, and eventually discharged west of the facility at the roadside storm water ditch.

Due to recent concentrations of oil within the discharge water, treatment is now a requirement. The facility has a temporary treatment system that is functioning as a pilot test prior to installment of the permanent system. The current system processes and discharges the treated water directly into the City of Troy's sanitary sewer system until such time that an NPDES permit is issued. Once an NPDES permit is issued, the discharge will be to the location of the existing discharge of groundwater.

The information in this antidegradation assessment came from the February 22, 2019 permit application.

Identification and Characterization of the Affected Water Body.

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The USGS Illinois Streamstats basin characteristics program gives a watershed size of 0.06 square miles for Outfall 001 on the unnamed tributary of Wendell Branch. According to the Illinois State Water Survey, the unnamed tributary of Wendell Branch in the area of the proposed discharge is likely to be 7Q1.1 zero flow streams. In this region of Illinois, 7Q1.1 zero flow streams are streams with a watershed area of 5 square miles or less. These streams will exhibit no flow for at least a continuous seven-day period one out of ten years. Aquatic life communities in these headwater streams are tolerant of the effects of drying. Depending on the rainfall received before biological surveys, either a very limited aquatic life community, or no community at all would be found. Given this flow regime, no additional biological characterization is required.

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

The treatment system removes the oil from the groundwater. Since the groundwater was previously discharged to the unnamed tributary of Wendall Creek, there is no additional loading of contaminants except for oil.

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Fate and Effect of Parameters Proposed for Increased Loading.

Oil will continue in the stream continuum until it is broken down and/or diluted. Oil will meet the effluent standard prior to discharge.

Purpose and Social & Economic Benefits of the Proposed Activity.

The proposed project will prevent groundwater contaminated with oil from entering the environment beyond the applicable effluent standard.

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

The plans for construction of a surge tank and transfer pump, duplex filter bags, an ion exchange vessel, a carbon filter, and particulate cartridge filters are consistent with appropriate technology for this size and type of project. Loading of oil to the stream may increase. However, since the groundwater was previously discharging to the unnamed tributary without treatment, the other parameters will likely decrease due to treatment.

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

On November 15, 2019, the IDNR EcoCAT web-based tool was used (IDNR Project Number: 2004274) and indicated that there were no endangered/threatened species present in the vicinity of the discharge. The IDNR EcoCAT web-based tool terminated the consultation.

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 by preventing groundwater contaminated with oil from entering the environment. Comments received during the NPDES permit public notice period will be evaluated before a final decision is made by the Agency.

