

NPDES Permit No. IL0066656
Notice No. LRL:12071901.daa

Public Notice Beginning Date: **October 3, 2012**

Public Notice Ending Date: **November 2, 2012**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

Draft Reissued 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:

TA Operating Corporation
24601 Center Ridge Road
Westlake, Ohio 44145

Name and Address of Facility:

Chicago North Travel Center
16650 Russell Road
Wadsworth, Illinois 60083
(Lake 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 Leslie Lowry at 217/782-0610.

The applicant is engaged in the operation of a truck stop/service center with restaurant, retail of general merchandise, and truck engine repair (SIC 5541, 5812, 7538 and 5399). Plant operation results in an average discharge of 0.021 MGD of treated sanitary, restaurant wastewater, and truck washing wastewater from outfall 001 and 0.0044 MGD of oil/water separator effluent from outfall 002.

Application is made for existing discharges which are located in Lake County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

<u>Outfall</u>	<u>Receiving Stream</u>	<u>Latitude</u>		<u>Longitude</u>		<u>Stream Classification</u>	<u>Biological Stream Characterization</u>
001	Unnamed Tributary to the Des Plaines River	42° 28' 56"	North	87° 57' 06"	West	General Use	Not Rated
002	Unnamed Tributary to the Des Plaines River	42° 28' 56"	North	87° 57' 06"	West	General Use	Not Rated

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

The stream segment receiving the discharge from outfalls 001 and 002 is not on the 2010 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 discharges from the facility shall be monitored and limited at all times as follows:

PARAMETER	LOAD LIMITS lbs/day <u>DAF (DMF)</u>		REGULATION	CONCENTRATION <u>LIMITS mg/l</u>		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
<u>Outfall 001:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
CBOD ₅	4.4	12.5	35 IAC 304.120 & 40 CFR 442	25	50	35 IAC 304.120
Total Suspended Solids	6.5	18.5	35 IAC 304.120 & 40 CFR 442	37	74	35 IAC 304.120
Fecal Coliform					400/100 ml	35 IAC 304.121
Total Residual Chlorine					0.05	35 IAC 302.208 & 40 CFR 125.3
Oil/Grease	2.6	7.5	35 IAC 304.124 & 40 CFR 442	15	30	35 IAC 304.124
<u>Outfall 002:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Benzene		0.0033	40 CFR 122.44(l)		0.05	40 CFR 122.44(l)
Toluene	0.0014	0.0049	40 CFR 122.44(l)	0.0028	0.074	40 CFR 122.44(l)
Ethylbenzene	0.0007	0.01	40 CFR 122.44(l)	0.014	0.15	35 IAC 302.208
Xylenes (Total)	0.0055	0.061	40 CFR 122.44(l)	0.11	0.92	40 CFR 122.44(l)
Total BETX		0.05	40 CFR 122.44(l)		0.75	40 CFR 125.3
Oil/Grease	0.75	2.0	40 CFR 122.44(l)	15	30	35 IAC 304.124
PNA's		0.0067	40 CFR 122.44(l)		0.1	40 CFR 125.3

Load Limit Calculations:

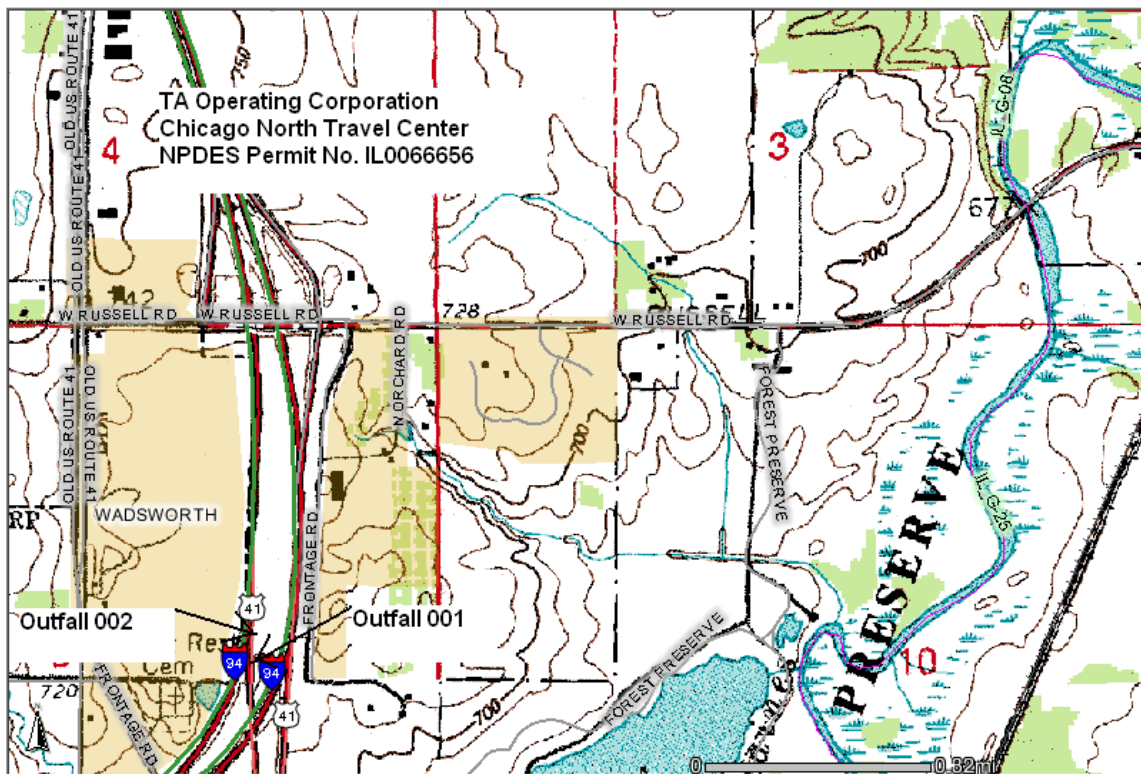
- A. Load limit calculations for outfall 001 for the following pollutant parameters were based on a design maximum flow of 0.025 MGD and using the formula of average or maximum flow (MGD) x concentration limit (mg/l) x 8.34 = the average or maximum load limit (lbs/day): CBOD₅, Oil/Grease, and Total Suspended Solids.
- B. Load limit calculations for outfall 002 for the following pollutant parameters were based on a design maximum flow of 0.144 MGD and using the formula of average or maximum flow (MGD) x concentration limit (mg/l) x 8.34 - the average or maximum load limit (lbs/day): Benzene, Toluene, Ethylbenzene, Xylenes (Total), Total BETX, PNA's, and Oil/Grease.
- C. Load limit calculations for CBOD₅, Oil/Grease, and Total Suspended Solids for outfall 001 were calculated utilizing limitations for 40 CFR 442 Transportation Equipment Cleaning Point Source Category Subpart D Tanks Transporting Food Grade Cargo for the waste water used to clean the interior of trucks and 35 IAC 304.124 regulations for all other waste waters. The calculation for Oil/Grease for outfall 001 is as follows:

30 Day Average $(0.00036 \times 8.34 \times 8.8) + (0.02064 \times 8.34 \times 15) = 2.61$ lbs/day
Daily Maximum $(0.00036 \times 8.34 \times 20) + (0.02964 \times 8.34 \times 30) = 7.48$ lbs/day

The load limits appearing in the permit will be the more stringent of the State and Federal Guidelines.

The following explain the conditions of the proposed permit:

The Special Conditions clarify flow, pH, monitoring location, total residual chlorine, fecal coliform, discharge monitoring report submission, and stormwater.



NPDES Permit No. IL0066656

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:

TA Operating Corporation
24601 Center Ridge Road
Westlake, Ohio 44145

Facility Name and Address:

Chicago North Travel Center
16650 Russell Road
Wadsworth, Illinois 60083
(Lake County)

Discharge Number and Name:

001 Treated Sanitary, Restaurant Wastewater, and Truck
Washing Wastewater

002 Oil/Water Separator Effluent

Receiving Waters:

Unnamed Tributary to the Des Plaines River

Unnamed Tributary to the Des Plaines River

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

SAK:LRL:12071901.daa

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Effluent Limitations and Monitoring

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

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		
<u>Outfall 001</u> – Treated Sanitary, Restaurant Wastewater, and Truck Washing Wastewater** (DMF = 0.025 MGD)						
Flow (MGD)	See Special Condition 1.				Continuous	Measure
pH	See Special Condition 2.				1/Month	Grab
CBOD ₅	4.4	12.5	25	50	1/Month	Composite
Total Suspended Solids	6.5	18.5	37	74	1/Month	Composite
Oil/Grease*	2.6	7.5	15	30	1/Month	Composite
Fecal Coliform	See Special Condition 3.			400/100 ml	1/Month	Grab
Total Residual Chlorine	See Special Condition 4.			0.05	1/Month	Grab

* - See Special Condition 5.

** - See Special Conditions 6.

NPDES Permit No. IL0066656

Effluent Limitations and Monitoring

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

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		
<u>Outfall 002</u> – Oil/Water Separator Effluent (DMF = 0.144 MGD)						
The discharge consists of:						
1. Wash Down Water						
2. Stormwater****						
Flow (MGD)	See Special Condition 1.				1/Month	Measure
pH	See Special Condition 2.				1/Month	Grab
Benzene		0.0033		0.05	1/Month	Grab
Toluene	0.0014	0.0049	0.028	0.074	1/Month	Grab
Ethylbenzene	0.0007	0.01	0.014	0.15	1/Month	Grab
Xylenes (Total)*	0.0055	0.061	0.11	0.92	1/Month	Grab
Total BETX**		0.05		0.75	1/Month	Calculation
Oil/Grease	0.75	2.0	15	30	1/Month	Grab
PNA's***		0.0067		0.1	1/Month	Calculation

* - Includes ortho-, meta-, and para-xylene.

** - The sum of analytical results for benzene, toluene, ethylbenzene and xylenes (Total).

*** - See Special Condition 8.

**** - See Special Condition 9.

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Special Conditions

SPECIAL CONDITION 1. Flow shall be measured in units of Million Gallons per Day (MGD) and reported as a monthly average and a daily maximum on the Discharge Monitoring Report.

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. Fecal Coliform limits for the discharge from outfall 001 are effective May through October. Sampling of Fecal Coliform concentrations are only required during this time period. The daily maximum fecal coliform count shall not exceed 400 per 100 ml.

SPECIAL CONDITION 4. Any use of chlorine to achieve the fecal coliform limitation or to control slime growths, odors etc. shall not exceed the 0.05 mg/l daily maximum limit for total residual chlorine in the effluent. If chlorine use is not required for a calendar month the permittee shall identify in the comment field of the DMR that chlorine was not utilized for that month.

All samples for Total Residual Chlorine shall be analyzed by and applicable method contained in 40 CFR 136, equivalent in accuracy to low-level amperometric titration. Any analytical variability of the method used shall be considered when determining the accuracy and precision of the results obtained.

SPECIAL CONDITION 5. The composites for oil, fats, and greases shall consist of sample aliquots of approximately equal volume, a minimum of 100 milliliters, be collected at regular time intervals over an eight-hour period (three aliquots total). A single sample formed by combining all the aliquots, and the solvent rinse of the container, would then be analyzed. The result of the single analysis is then reported for oil, fats, and grease.

SPECIAL CONDITION 6. For the purpose of this permit, the discharge from outfall 001 is limited to treated sanitary waste and truck wash water free from other waste water discharges. Should the permittee desire to wash truck interiors that have had cargo other than food grade cargo or utilize any brightener other than citric acid, the permittee must request a modification of this permit in accordance with the Standard Conditions -- Attachment H.

SPECIAL CONDITION 7. 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 8. For the purposes of this permit, Total PNAs is defined as the arithmetic sum of the following polynuclear aromatic compounds: Acenaphthene, Acenaphthylene, Anthracene, Benzo(a) anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Chrysene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, and Pyrene.

SPECIAL CONDITION 9. The Agency has determined that the effluent limitations in this permit constitute BAT/BCT for storm water which is treated in the existing treatment facilities for purposes of this permit reissuance, and no pollution prevention plan will be required for such storm water. In addition to the chemical specific monitoring required elsewhere in this permit, the permittee shall conduct an annual inspection of the facility site to identify areas contributing to a storm water discharge associated with industrial activity, and determine whether any facility modifications have occurred which result in previously-treated storm water discharges no longer receiving treatment. If any such discharges are identified the permittee shall request a modification of this permit within 30 days after the inspection. Records of the annual inspection shall be retained by the permittee for the term of this permit and be made available to the Agency on request.

SPECIAL CONDITION 10. 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 11. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

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Special Conditions

SPECIAL CONDITION 12. The terms and conditions of the Consent Decree No. 95 CH 922 are incorporated into this permit by reference.

SPECIAL CONDITION 13. 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 (eDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the eDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/edmr/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 eDMRs 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