

NPDES Permit No. IL0025933  
Notice No. SMT:08022701.bah

Public Notice Beginning Date: **May 23, 2012**

Public Notice Ending Date: **June 22, 2102**

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:

Department of the Army  
Corps of Engineers  
801 Lake Road  
Carlyle Lake, Illinois 62231

Name and Address of Facility:

Department of the Army  
Corps of Engineers  
801 Lake Road  
Carlyle Lake, Illinois 62231  
(Clinton 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 the operation of a multi-purpose lake provide flood control, recreation, fish and wildlife enhancement, water supply, camping and boating, fish cleaning, navigation supplement and water quality improvement (SIC 9512). The facility operates a sewage treatment plant at its boulder recreational area (SIC 4952). Wastewater is generated from the use of lake water as a source for generating the sanitary wastewater. Plant operation results in an average discharge of 0.02 MGD of treated sanitary wastewater from Carlyle Lake.

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

Outfall	Receiving Stream	Latitude		Longitude		Stream Classification	Biological Stream Characterization
001	Carlyle Lake	38° 41' 00"	North	89° 14' 00"	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 outfall(s) 001 is on the 2010 303(d) list of impaired waters and is a biologically significant stream on the 2008 Illinois Department of Natural Resources Publication – *Integrating Multiple Taxa in a Biological Stream Rating System*.

Pollutants

Mercury, Aquatic Algae (Non-Pollutant), Phosphorus (Total), Total Suspended Solids, Manganese

Potential Contributors

Fish Consumption, Aesthetic Quality, and Public and Food Processing Water Supply Use

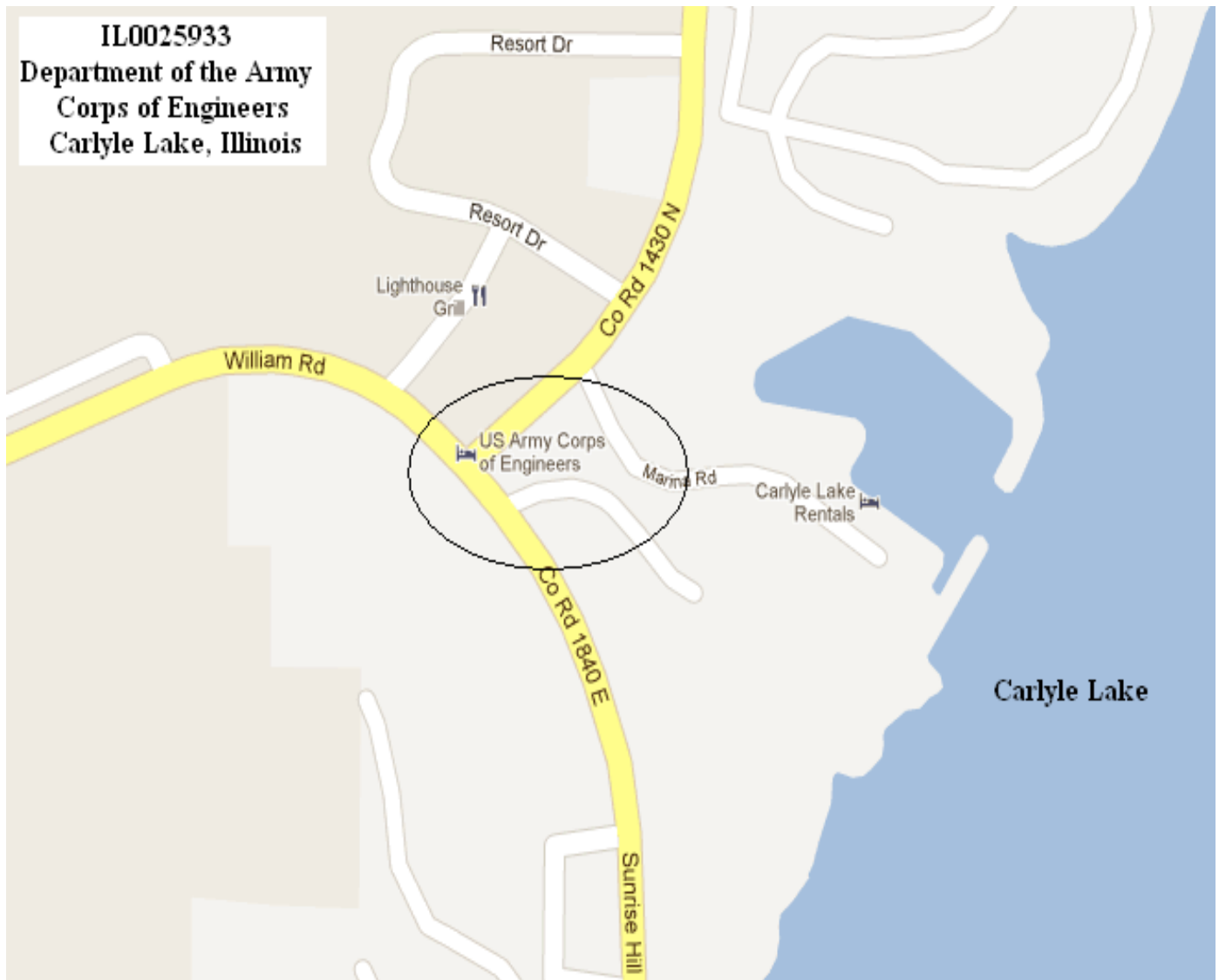
The discharge(s) from the facility shall be monitored and limited at all times as follows:

Outfall: 001 Treated Sanitary Wastewater (DAF = 0.02 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				Measure		
pH	Shall be in the range of 6.0-9.0 standard units					35 IAC 304.125
BOD <sub>5</sub>				10	20	35 IAC 304.120
Total Suspended Solids				12	24	35 IAC 304.120
Fecal Coliform					400 Counts per 100 ml	35 IAC 304.121
Total Residual Chlorine					0.05	40 CFR 125.3
Ammonia (as N)						35 IAC 302.212 35 IAC 355
March - May				1.5	3.7	
June - August				0.9	4.9	
September - October				1.5	3.7	
November - February				4.4	9.6	

The following explain the conditions of the proposed permit:

Special Conditions include the descriptions of flow requirement, the range of pH, fecal coliform counts, the quantity of sludge determination, the DMR submission, Total Residual Chlorine standard, the hydrostatic test water standards.



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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:

Department of the Army  
Corps of Engineers  
801 Lake Road  
Carlyle Lake, Illinois 62231

Facility Name and Address:

Department of the Army  
Corps of Engineers  
801 Lake Road  
Carlyle Lake, Illinois 62231

Discharge Number and Name:

001 Treated Sanitary Wastewater

Receiving Waters:

Carlyle Lake

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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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(s): 001 Treated Sanitary Wastewater (DAF = 0.02 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				Measure when Discharge	Continuous
pH	See Special Condition 2				Once per Month	Composite
BOD <sub>5</sub>			10	20	Once per Month	Composite
Total Suspended Solids			12	24	Once per Month	Grab
Fecal Coliform	See Special Condition 7				Once per Month	Grab
Total Residual Chlorine	See Special Condition 8			0.05	Once per Month	Grab
Ammonia (as N)					Once per Month	Grab
March - May			1.5	3.7		
June - August			0.9	4.9		
September - October			1.5	3.7		
November - February			4.4	9.6		

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Special Conditions

SPECIAL CONDITION 1. Flow shall be reported in million gallons per day as a daily maximum and a monthly average 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. 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 4. 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

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. In addition to the other requirements of this permit, no effluent shall contain settleable solid, floating debris, visible oil, grease, scum or sludge solids, color and odor and turbidity shall be reduced to below obvious levels.

SPECIAL CONDITION 7. The daily maximum fecal coliform count shall not exceed 400 per 100 ml.

SPECIAL CONDITION 8. All samples for total residual chlorine (TRC) shall be analyzed by an 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.

The water quality standards for TRC (0.011 mg/L average and 0.019 mg/L maximum) are below the method detection level (0.05 mg/L) as described in 40 CFR 136. Therefore, for the purpose of this permit, the method detection level shall be utilized to determine compliance with the permit limit for TRC. A measurement of <0.05 mg/L reported on the DMR shall not be considered a violation of the water quality based effluent limit. This reporting threshold is being established to determine compliance and does not authorize the discharge of TRC in excess of the water quality based effluent limit.

SPECIAL CONDITION 9. The use or operation of this facility shall be by or under the supervision of a Certified Class 2 operator.