

NPDES Permit No. IL0060895  
Notice No. SMT:14012401.smt

Public Notice Beginning Date:

Public Notice Ending Date:

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:

Illinois Department of Natural Resources  
Division of Fisheries  
One Natural Resources Way  
Springfield, IL 62702

Name and Address of Facility:

Jake Wolf Memorial Fish Hatchery  
25410 North Fish Hatchery Road  
Topeka, IL 61567  
(Mason 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 fish hatchery for fish hatching and rearing (SIC 0921). The facility hatches and rears salmon, trout, northern pike, musky, walleye, bass, catfish, and sunfish for stocking into Illinois and other waters for sport fishing. Well water is used as a source for the wastewater generated at the hatchery, which includes wastewater from raceways, start tanks, brood tanks, spawning and rearing tanks, quarantine raceways and the solar pond and fish transfer channel. Plant operation results in an average discharge of 4.17 MGD of fish rearing water from outfall 001.

Application is made for the existing discharges which are located in Mason 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	Mink Slough	40° 26' 02"	North	89° 54' 12"	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 001 is not on the draft 2012 Illinois Integrated Water Quality Report and Section 303(d) List as it has not been assessed. The receiving water has not been given an integrity rating or been listed as biologically significant in the 2008 Illinois Department of Natural Resources publication *Integrating Multiple Taxa in a Biological Stream Rating System*.

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

Outfall: 001 Fish Rearing Water (DAF = 4.17 MGD)

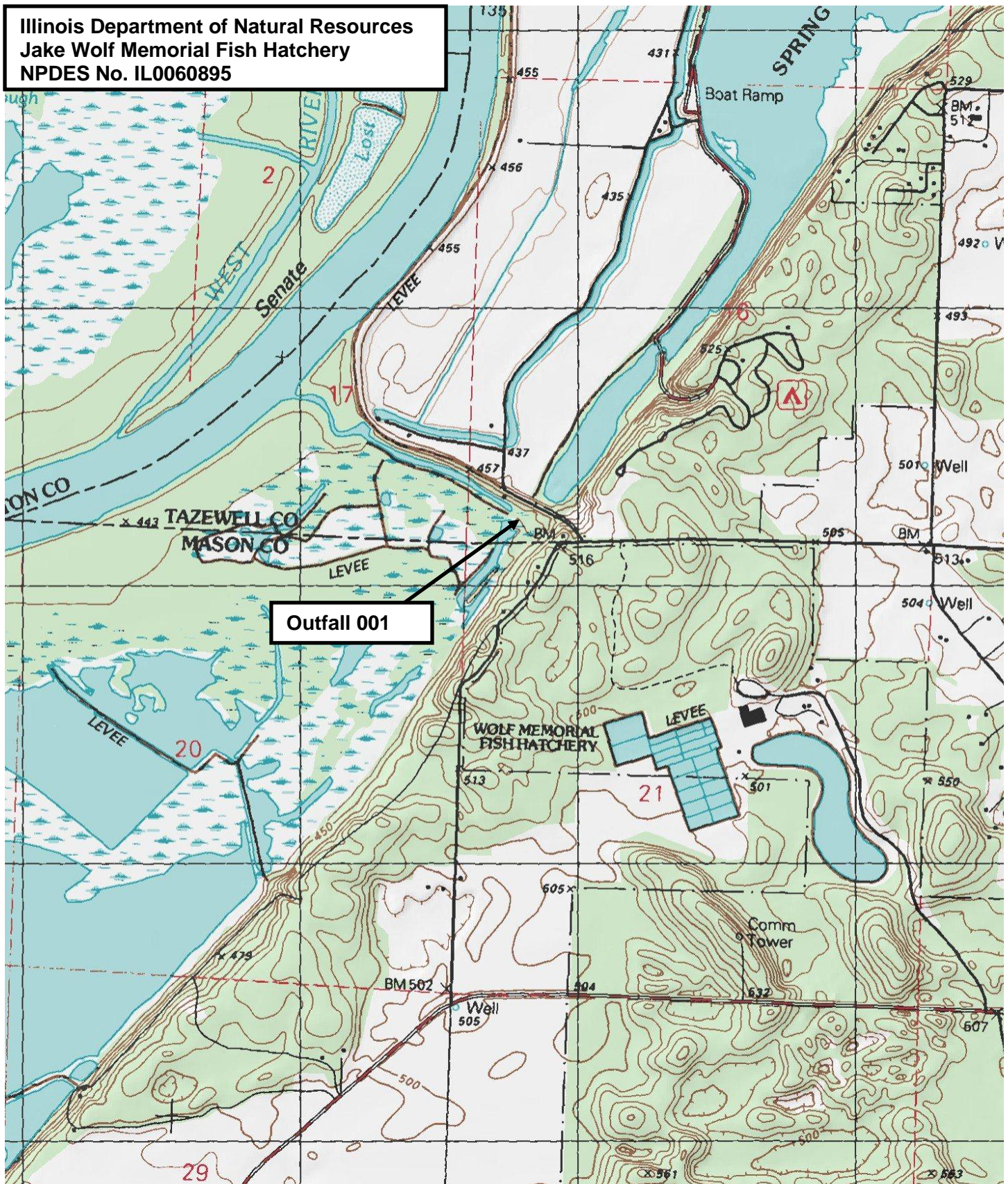
PARAMETER	LOAD LIMITS lbs/day		REGULATION	CONCENTRATION		REGULATION
	DAF (DMF)			LIMITS mg/l		
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
Flow (MGD)						
pH						35 IAC 302.204
Total Suspended Solids				10	20	35 IAC 304.120(c)
BOD <sub>5</sub>				12	24	35 IAC 304.120(c)
Chloride					500	35 IAC 302.208
Total Residual Chlorine					0.05	35 IAC 302.208
Diquat				Monitor Only		35 IAC 309.146
Formalin				Monitor Only		35 IAC 309.146

The following explain the conditions of the proposed permit:

The special conditions clarify: flow, monitoring location, DMRs, re-opener, and stormwater pollution prevention plan.



**Illinois Department of Natural Resources  
Jake Wolf Memorial Fish Hatchery  
NPDES No. IL0060895**



**Outfall 001**





NPDES Permit No. IL0060895

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:

Facility Name and Address:

Illinois Department of Natural Resources  
Division of Fisheries  
One Natural Resources Way  
Edwardsville, Illinois 62025

Jake Wolf Memorial Fish Hatchery  
25410 North Fish Hatchery Road  
Topeka, IL 61567  
(Mason County)

Discharge Number and Name:

Receiving Waters:

001 Fish Rearing Water

Mink Slough

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:SMT:14012401.smt

NPDES Permit No. IL0060895

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 Fish Rearing Water (DAF = 4.17 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 (MGD)	See Special Condition 1				2/Month	
pH	See Special Condition 2				2/Month	Grab
Total Suspended Solids			10	20	2/Month	Grab
BOD <sub>5</sub>			12	24	2/Month	Grab
Chloride				500	2/Month	Grab
Total Residual Chlorine	See Special Condition 4			0.05	Daily When Chlorinating	Grab
Diquat			Monitor Only		1/Quarter	Grab
Formalin			Monitor Only		1/Quarter	Grab

Diquat and Formalin shall be once per quarter monitored when the substances have been used.

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 value on the monthly Discharge Monitoring Report.

SPECIAL CONDITION 2. The pH shall be in the range 6.5 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. 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.

SPECIAL CONDITION 5. 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 NetDMR 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 15<sup>th</sup> 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 6. 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 7: Reporting Requirements:

- (a) Drugs. Except as noted below, a permittee subject to this part must notify the Illinois EPA of the use in a concentrated aquatic animal production facility subject to this part of any investigational new animal drug (INAD) or any extralabel drug use where such a use may lead to a discharge of the drug to waters of the State. Reporting is not required for an INAD or extralabel drug use that has been previously approved by FDA for a different species or disease if the INAD or extralabel use is at or below the approved dosage and involves similar conditions of use.
  - (1) The permittee must provide a written report to the Illinois EPA of an INAD's impending use within 7 days of agreeing or signing up to participate in an INAD study. The written report must identify the INAD to be used, method of use, the dosage, and the disease or condition the INAD is intended to treat.
  - (2) For INADs and extralabel drug uses, the permittee must provide an oral report to the permitting authority as soon as possible, preferably in advance of use, but no later than 7 days after initiating use of that drug. The oral report must identify the drugs used, method of application, and the reason for using that drug.
  - (3) For INADs and extralabel drug uses, the permittee must provide a written report to the Illinois EPA within 30 days after initiating use of that drug. The written report must identify the drug used and include: the reason for treatment, date(s) and time(s) of the addition (including duration), method of application; and the amount added. The report shall be submitted to the address in special condition 5.
- (b) "Reportable failure or damage to the structure of an aquatic animal containment system" is damage or failure in a structure of an aquatic animal containment system that results in unanticipated material discharge of pollutants to waters of the State that does not meet the terms and conditions of this permit.
  - (1) The permittee must provide an oral report within 24 hours of discovery of any reportable failure or damage that results in a material discharge of pollutants, describing the cause of the failure or damage in the containment system and identifying materials that have been released to the environment as a result of this failure.

Special Conditions

- (2) The permittee must provide a written report within 5 days of discovery of the failure or damage documenting the cause, the estimated time elapsed until the failure or damage was repaired, an estimate of the material released as a result of the failure or damage, and steps being taken to prevent a reoccurrence.
- (c) In the event a spill of drugs, pesticides or feed occurs that results in a discharge to waters of the State, the permittee must provide an oral report of the spill within 24 hours of its occurrence and a written report within 5 days. The report shall include the identity and quantity of the material spilled. The oral report shall be made to the appropriate Agency Field Operations Section by telephone or fax.
- (d) The written reports required above shall be submitted to the address in special condition 5.

SPECIAL CONDITION 8: Best management practices (BMP) plan:

The permittee shall develop and maintain a plan on site describing how the permittee will achieve the requirements of (a) through (e) below. The plan shall be made available to the Illinois EPA upon request. The permittee shall maintain the BMP plan on-site. The permittee shall implement the provisions of the BMP plan.

- (a) Solids control. The permittee shall:
- (1) Employ efficient feed management and feeding strategies that limit feed input to the minimum amount reasonably necessary to achieve production goals and sustain targeted rates of aquatic animal growth in order to minimize potential discharges of uneaten feed and waste products to waters of the State.
  - (2) In order to minimize the discharge of accumulated solids from settling ponds and basins and production systems, identify and implement procedures for routine cleaning of rearing units and off-line settling basins, and procedures to minimize any discharge of accumulated solids during the inventorying, grading and harvesting aquatic animals in the production system.
  - (3) Remove and dispose of aquatic animal mortalities properly on a regular basis to prevent discharge to waters of the State.
- (b) Materials storage. The permittee shall:
- (1) Ensure proper storage of drugs, pesticides, and feed in a manner designed to prevent spills and prevent the discharge of drugs, pesticides or feed to waters of the State.
  - (2) Implement procedures for properly containing, cleaning, and disposing of any spilled material.
- (c) Structural maintenance. The permittee shall:
- (1) Inspect the production system and the wastewater treatment system on a routine basis (minimum weekly) in order to identify and promptly repair any damage.
  - (2) Conduct regular maintenance of the production system and the wastewater treatment system in order to ensure that they are properly functioning.
- (d) Recordkeeping. The permittee shall:
- (1) In order to calculate representative feed conversion ratios, maintain records for aquatic animal rearing units documenting the feed amounts and estimates of the numbers and weight of aquatic animals.
  - (2) Keep records documenting the frequency of cleaning, inspections, maintenance and repairs.
- (e) Training. The permittee shall:
- (1) In order to ensure the proper clean-up and disposal of spilled material adequately train all relevant facility personnel in spill prevention and how to respond in the event of a spill.
  - (2) Train staff on the proper operation and cleaning of production and wastewater treatment systems including training in feeding procedures and proper use of equipment.

SPECIAL CONDITION 9: Definitions:

- (a) *Approved dosage* means the dose of a drug that has been found to be safe and effective under the conditions of a new animal drug application.
- (b) *Aquatic animal containment system* means a culture or rearing unit such as a raceway, pond, tank, net or other structure used to contain, hold or produce aquatic animals. The containment system includes structures designed to hold sediments and other materials that are part of a wastewater treatment system.
- (c) *Concentrated aquatic animal production facility* is defined at 40 CFR 122.24 and appendix C of 40 CFR part 122.
- (d) *Drug* means any substance defined as a drug in section 201(g)(1) of the Federal Food, Drug and Cosmetic Act (21 U.S.C. 321).
- (e) *Extralabel drug use* means a drug approved under the Federal Food, Drug and Cosmetic Act that is not used in accordance with the approved label directions, see 21 CFR part 530.
- (f) *Flow-through system* means a system designed to provide a continuous water flow to waters of the State through chambers used to produce aquatic animals. Flow-through systems typically use rearing units that are either raceways or tank systems. Rearing units

Special Conditions

referred to as raceways are typically long, rectangular chambers at or below grade, constructed of earth, concrete, plastic, or metal to which water is supplied by nearby rivers or springs. Rearing units comprised of tank systems use circular or rectangular tanks and are similarly supplied with water to raise aquatic animals. The term does not include net pens.

(g) *Investigational new animal drug (INAD)* means a drug for which there is a valid exemption in effect under section 512(j) of the Federal Food, Drug, and Cosmetic Act, 21 U.S.C. 360b(j), to conduct experiments.

(h) *New animal drug application* is defined in 512(b)(1) of the Federal Food, Drug, and Cosmetic Act (21 U.S.C 360b(b)(1)).

(i) *Pesticide* means any substance defined as a "pesticide" in section 2(u) of the Federal Insecticide, Fungicide, and Rodenticide Act (7 U.S.C. 136(u)).

(j) *Recirculating system* means a system that filters and reuses water in which the aquatic animals are produced prior to discharge. Recirculating systems typically use tanks, biological or mechanical filtration, and mechanical support equipment to maintain high quality water to produce aquatic animals.