

NPDES Permit No. IL0066435  
Notice No. SMT:13090601.smt

Public Notice Beginning Date: **January 23, 2014**

Public Notice Ending Date: **February 24, 2014**

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:

Abbott Laboratories  
200 Abbott Park Road  
Dept 05G3, Bldg. AP52S  
Abbott Park, IL 60064

Name and Address of Facility:

Abbott Park Facility  
100 Abbott Park Road  
Abbott Park, IL 60064  
(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 Shu-Mei Tsai at 217/782-0610.

The applicant is engaged in the preparation, blending, formulation, filling, and packaging of pharmaceutical, diagnostic equipment research and development activities (SIC 2834). Wastewater is generated from non-contact cooling of equipment, and treating service for plant uses. Plant operation results in an intermittent discharge of outfall 002 overflow from outfall 001, and an average discharge of 0.99 MGD of non-contact cooling water, RO reject, cooling tower blowdown, water distillation blowdown, filter backwash, and stormwater from outfall 002.

The following modification is proposed:

The discharges tributary to outfall 003 have been redirected to the sanitary sewer and outfall 003 will be removed from the permit.

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:

Outfall	Receiving Stream	Latitude		Longitude		Stream Classification	Biological Stream Characterization
001	Middle Fork of the North Branch Chicago River	42° 18' 00"	North	87° 53' 50"	West	General Use	Not Rated
002	Middle Fork of the North Branch Chicago River	42° 17' 00"	North	87° 53' 50"	West	General Use	E

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

The waterbody segment HCCC-02 receiving the discharge from outfall(s) 001 and 002 is on the draft 2012 Illinois Integrated Water Quality Report and Section 303(d) List. The receiving water has not been listed as biologically significant in the 2008 Illinois Department of Natural Resources publication *Integrating Multiple Taxa in a Biological Stream Rating System*. The impaired designated uses and pollutants causing impairment are tabulated below:

Designated Uses	Pollutants Causing Impairment
Primary Contact	Fecal Coliform Bacteria
Aquatic Life	Alterations in Stream-Side Vegetative Cover (Non-Pollutant), Chloride, DDT, Hexachlorobenzene, Dissolved Oxygen, Sedimentation/Siltation, and Total Suspended Solids.

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

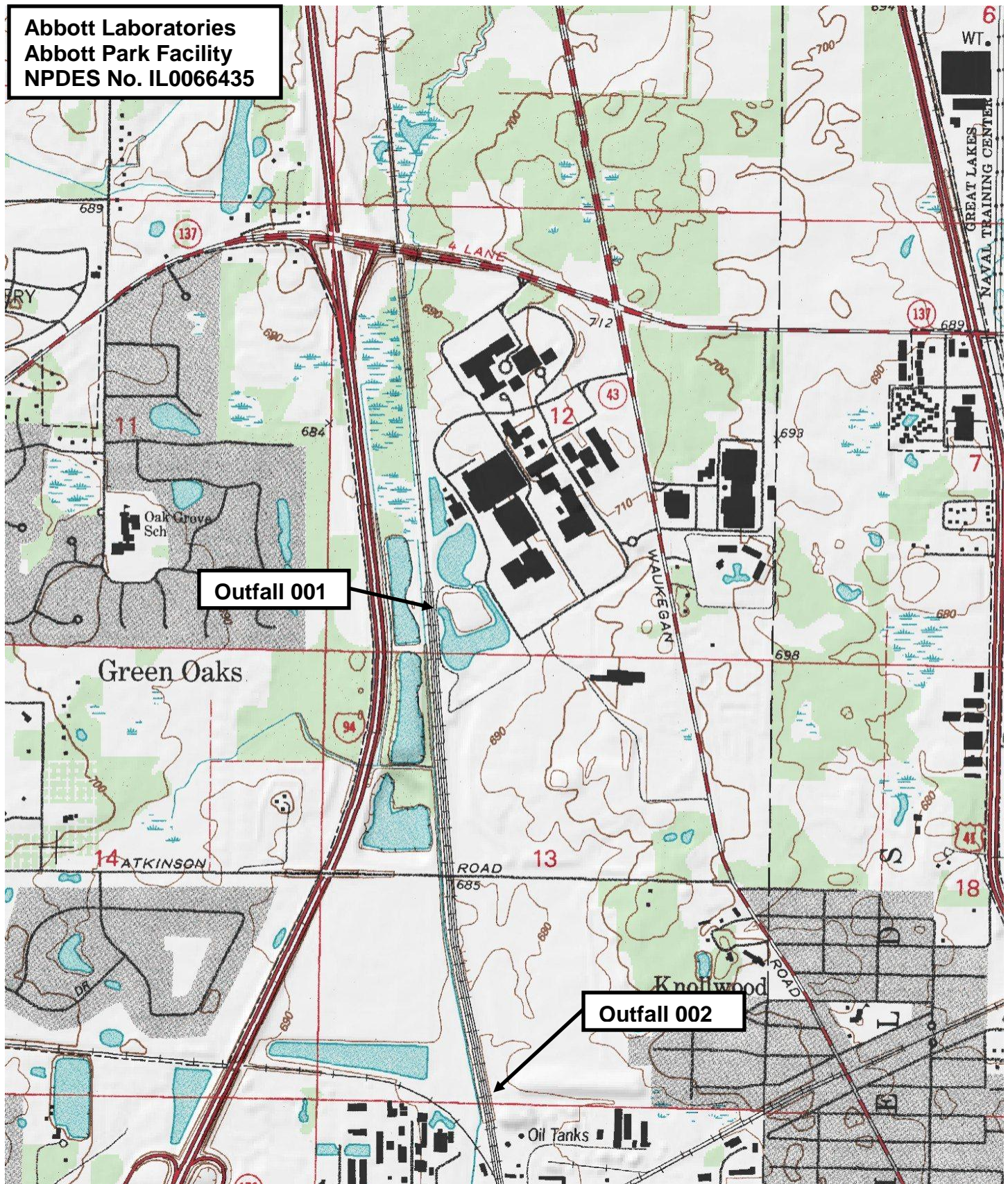
PARAMETER	LOAD LIMITS lbs/day		REGULATION	CONCENTRATION LIMITS mg/l		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
Outfall: 001 Overflow from Outfall 002 (Intermittent Discharge)						
Flow (MGD)						
pH						35 IAC 302.204
Temperature						35 IAC 302.211
Chlorides					750	AS 1999-005
Iron				2	4	35 IAC 304.124
Outfall: 002 Non-Contact Cooling Water, RO Reject, Cooling Tower Blowdown, Water Distillation Blowdown, Filter Backwash and Stormwater (DAF = 0.99 MGD)						
Flow (MGD)						
pH						35 IAC 302.204
Temperature						35 IAC 302.211
Chlorides					750	AS 1999-005
Iron				2	4	35 IAC 304.124

The following explain the conditions of the proposed permit:

The IPCB order 1999-005 granted relief from the water quality for chloride.

The special conditions clarify: flow, pH, temperature, monitoring location, DMR's, re-opener, and stormwater.

**Abbott Laboratories  
Abbott Park Facility  
NPDES No. IL0066435**



NPDES Permit No. IL0066435

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:

Abbott Laboratories  
200 Abbott Park Road  
Dept 05G3, Bldg. AP52S  
Abbott Park, IL 60064

Facility Name and Address:

Abbott Laboratories  
100 Abbott Park Road  
Abbott Park, IL 60064  
(Lake County)

Discharge Number and Name:

001 Overflow from Outfall 002  
002 Non-Contact Cooling Water, RO Reject, Cooling Tower  
Blowdown, Water Distillation Blowdown, Filter Backwash and  
Stormwater

Receiving Waters:

Middle Fork of the North Branch Chicago River

Middle Fork of the North Branch Chicago 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:SMT:13090601.smt

NPDES Permit No. IL0066435

Effluent Limitations and Monitoring

1. From the modification 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:

001 Overflow from Outfall 002 (Intermittent Discharge)

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				1/Discharge	
pH	See Special Condition 2				1/Discharge	Grab
Temperature	See Special Condition 3				1/Discharge	Single Reading
Chlorides				750	1/Discharge	Grab
Iron			2	4	1/Discharge	Grab

Effluent sampling for flow shall be continuous if hardware allows otherwise it shall be a single reading or estimate when monitoring each parameter.

NPDES Permit No. IL0066435

Effluent Limitations and Monitoring

1. From the modification 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: 002 Non-Contact Cooling Water, RO Reject, Cooling Tower Blowdown, Water Distillation Blowdown, Filter Backwash, and Stormwater (DAF = 0.99 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				1/Month	
pH	See Special Condition 2				1/Month	Grab
Temperature	See Special Condition 3				1/Month	Single Reading
Chlorides				750	1/Month	Grab
Iron			2	4	1/Month	Grab

Effluent sampling for flow shall be continuous if hardware allows otherwise it shall be a single reading or estimate when monitoring each parameter.

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. This facility is not allowed any mixing with the receiving stream in order to meet applicable water quality thermal limitations. Therefore, discharge of wastewater from this facility must meet the following thermal limitations prior to discharge into the receiving stream.

A. The discharge must not exceed the maximum limits in the following table during more than one percent of the hours in the 12 month period ending with any month. Moreover, at no time shall the water temperature of the discharge exceed the maximum limits in the following table by more than 1.7°C (3°F).

	<u>Jan.</u>	<u>Feb.</u>	<u>Mar.</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Oct.</u>	<u>Nov.</u>	<u>Dec.</u>
°F	60	60	60	90	90	90	90	90	90	90	90	60
°C	16	16	16	32	32	32	32	32	32	32	32	16

B. In addition, the discharge shall not cause abnormal temperature changes that may adversely affect aquatic life unless caused by natural conditions.

C. The discharge shall not cause the maximum temperature rise above natural temperatures to exceed 2.8°C (5°F).

D. The monthly maximum value shall be reported on the DMR form.

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. The Permittee shall record the monitoring results on the 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 15<sup>th</sup> 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 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 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

Special Conditions

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.