

NPDES Permit No. IL0071633
Notice No. ASA:24020201.docx

Public Notice Beginning Date: March 12, 2025

Public Notice Ending Date: April 11, 2025

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
2520 West Iles Avenue
Post Office Box 19276
Springfield, Illinois 62794-9276
217/782-0610

Name and Address of Discharger:

Heat and Control Inc.
1721 State Highway 164
Galesburg, Illinois 61401

Name and Address of Facility:

Heat and Control Inc.
1721 State Highway 164
Galesburg, Illinois 61401
(Warren 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 Anwar S. Azeem at 217/782-0610.

The applicant is engaged in manufacturing food industry equipment (SIC 3556). Plant operation results in an average discharge of 0.0009 MGD of treated sanitary, floor drain wastewater, and stormwater from Outfall 001.

Application is made for the existing discharge which is located in Warren 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>Integrity Rating</u>
001	Unnamed Tributary to Cedar Creek	40° 57' 00" North	90° 27' 30" West	General Use	Not Listed

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

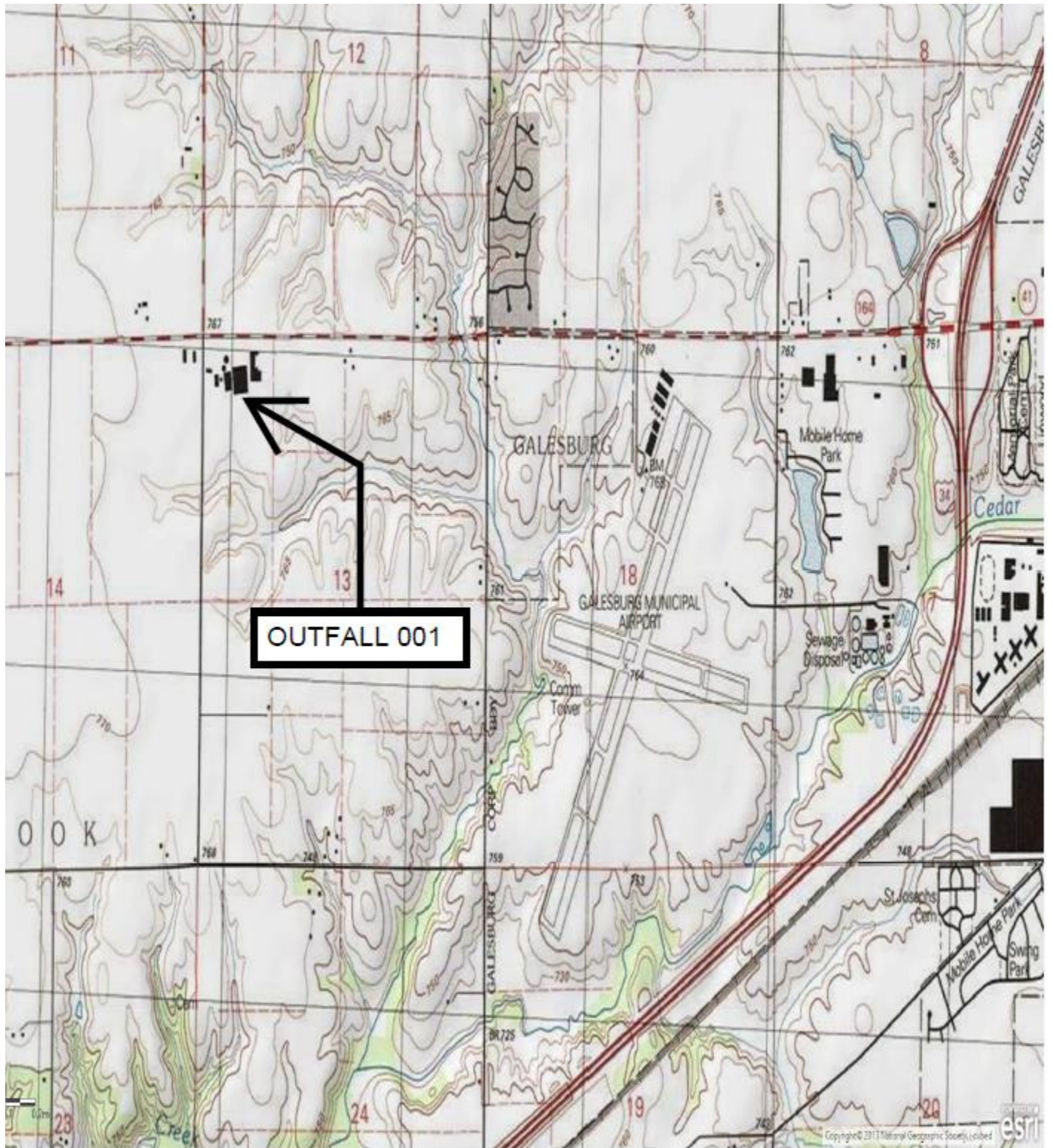
The subject facility discharges to an unnamed tributary of Cedar Creek at a point where 0 cfs of flow exists upstream of the outfall during critical 7Q10 low-flow conditions. The facility has a DAF of 0.0011 MGD. The unnamed tributary of Cedar Creek is classified as a General Use Water. The unnamed tributary of Cedar Creek 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 Cedar Creek, tributary to Waterbody Segment, LDD-C2, is not listed on the 2020/2022 Illinois Integrated Water Quality Report and Section 303(d) List since it has not been assessed. This segment of the unnamed tributary of Cedar Creek is not subject to enhanced dissolved oxygen standards.

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

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/L		DAILY MAXIMU M	REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	WEEKLY AVERAGE		
Outfall 001:							
Flow (MGD)							
pH					6.5 – 9 s.u.		35 IAC 302.204
BOD ₅				10		20	35 IAC 304.120
Total Suspended Solids				12		24	35 IAC 304.120
Fecal Coliform						400/100	35 IAC 302.209
Ammonia (as N)							40 CFR 122.44(l)
Spring (March – May)				1.6	4	5.7	
Summer (June – Aug.)				1.4	3.5	6.1	
Fall (Sept. – Oct.)				1.6	4	5.7	
Winter (Nov. – Feb.)				3.3	-	3.4	

The following explain the conditions of the proposed permit:

The special conditions clarify the following flow, pH, fecal coliform, re-opening of the permit, submittal of discharge monitoring reports, settleable solids, Class K Operator, water quality standard, discharge monitoring location, discharge monitoring requirements, and BAT/BCT for Stormwater.



NPDES Permit No. IL0071633

Illinois Environmental Protection Agency

Division of Water Pollution Control

2520 West Iles Avenue

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:

Heat and Control Inc.
1721 State Highway 164
Galesburg, Illinois 61401

Facility Name and Address:

Heat and Control Inc.
1721 State Highway 164
Galesburg, Illinois 61401
(Warren County)

Discharge Number and Name:

001 Treated Sanitary, Floor Drain Wastewater, and Stormwater

Receiving Waters:

Unnamed tributary to Cedar Creek

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.

Darin E. LeCrone, 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 shall be monitored and limited at all times as follows:

PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION			SAMPLE FREQUENCY	SAMPLE TYPE	
	30 DAY AVERAGE	DAF (DMF) DAILY MAXIMUM	30 DAY AVERAGE	LIMITS mg/L WEEKLY AVERAGE	DAILY MAXIMUM			
<u>Outfall 001</u> – Treated Sanitary, Floor Drain Wastewater, and Stormwater** (DAF = 0.0011 MGD)								
Flow (MGD)	See Special Condition 1.					1/Month	Measure	
pH	See Special Condition 2.					1/Month	Grab	
BOD ₅			10		20	1/Month*	Grab	
Total Suspended Solids			12		24	1/Month*	Grab	
Fecal Coliform	See Special Condition 3.					400/100	1/Month*	Grab
Ammonia (as N)						1/Month*	Grab	
Spring (March – May)			1.6	4	5.7			
Summer (June – Aug.)			1.4	3.5	6.1			
Fall (Sept. – Oct.)			1.6	4	5.7			
Winter (Nov. – Feb.)			3.3	-	3.4			

* See Special Condition 10

** See Special Condition 11

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 6.5 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 3. The daily maximum fecal coliform count shall not exceed 400 per 100 ml.

SPECIAL CONDITION 4. 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 5. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) electronic 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 is required to submit electronic DMRs (NetDMRs) instead of mailing paper DMRs to the IEPA beginning December 21, 2016 unless a waiver has been granted by the Agency. More information, including registration information for the NetDMR program, can be obtained on the IEPA website, <https://epa.illinois.gov/topics/water-quality/surface-water/netdmr.html>.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 25th day of the following month, unless otherwise specified by the permitting authority.

Permittees that have been granted a waiver 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
Attention: Compliance Assurance Section, Mail Code # 19
2520 West Iles Avenue
Post Office Box 19276
Springfield, Illinois 62794-9276

SPECIAL CONDITION 6: No effluent shall contain settleable solids, floating debris, visible oil, grease, scum or sludge solids. Color, odor and turbidity must be reduced to below obvious levels.

SPECIAL CONDITION 7. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 8. The effluent, alone or in combination with other sources, shall not cause a violation of any applicable water quality standard outlined in 35 Ill. Adm. Code 302.

SPECIAL CONDITION 9. 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 10. The Permittee shall sample for biological oxygen demand (BOD), total suspended solids (TSS), fecal coliform, and ammonia (as N) at Outfall 001 on a monthly basis on a day that there is a discharge to Outfall 001. The Permittee may only submit "No Discharge" on the DMR form for that month if there is no discharge to Outfall 001 for the entire month.

SPECIAL CONDITION 11. 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 issuance, 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 Conditions