



# SUSQUEHANNA RIVER BASIN COMMISSION

4423 North Front Street • Harrisburg, Pennsylvania 17110-1788

(717) 238-0423 Phone • (717) 238-2436 Fax

[www.srbc.net](http://www.srbc.net)

**Docket No. 20230305**

**Approval Date: March 16, 2023**

## **HARDINGE INC.**

**Groundwater Withdrawals (30-Day Averages) of  
0.550 mgd from Well 4 and 0.580 mgd from Well 5, and  
Total System Withdrawal Limit (30-Day Average) of 2.000 mgd**

### **Section 1. Approval**

After review of the record, including the technical findings of Susquehanna River Basin Commission (Commission) staff, the Commission has determined that no significant adverse impacts are anticipated by the operation of this project as described and conditioned herein, the project is physically feasible, and does not conflict with or adversely affect the Commission's Comprehensive Plan. Accordingly, the Commission hereby approves the project described herein in accordance with the conditions set forth below.

The project sponsor maintains and operates a system to supply water for non-contact cooling that includes five groundwater sources (Wells 1, 2, 3, 4, and 5). Based on information provided by the project sponsor, no other sources are operated by the project. The project maintains a service connection to the public water supply system for facility potable water. Operational and historical testing data were reviewed by Commission staff and an increase above the requested maximum instantaneous pumping rates for Wells 4 and 5 is supported and recommended. The recommended increase is incorporated herein.

The project sponsor submitted groundwater withdrawal applications for Wells 4 and 5, requesting 0.550 million gallons per day (mgd) and 0.580 mgd, respectively. This approval authorizes continued withdrawals from Wells 4 and 5 at the requested rates and establishes a total system limit of 2.000 mgd, consistent with the 15-year projected demand.

Should demand exceed the total system withdrawal limit established herein, the project sponsor may submit a minor modification application in accordance with 18 CFR § 806.18(c)(7) to request an increase to the total system withdrawal limit, as the total system withdrawal limit established herein is based on the 15-year projected demand.

Commission staff has coordinated with the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) during review of this project.

## Section 2. Project Information

Information concerning the project sponsor, water use type, and location are set forth in the table below.

Project Information	
<b>Project Sponsor:</b>	Hardinge Inc.
<b>Approval Type:</b>	Groundwater Withdrawal
<b>Previous Docket Nos.:</b>	19900302 and 19900302-1
<b>Authorized Water Use Purpose:</b>	Heating, Ventilation, and Air Conditioning and Related Incidental Uses
<b>Municipality:</b>	Town of Horseheads
<b>County:</b>	Chemung County
<b>State:</b>	New York

## Section 3. Source Information

Information concerning the sources of water from which the withdrawals will be made is set forth in the table below.

Source Information		
<b>Withdrawal Type:</b>	Groundwater	
<b>Approved Sources:</b>	Well 4 and 5	
<b>Subbasin:</b>	Chemung	
<b>Watershed Boundary Dataset (WBD):</b>	0205010505 (Middle Chemung River)	
<b>Withdrawal Location (degrees):</b>		
Well 4	Lat: 42.146097 N	Long: 76.825552 W
Well 5	Lat: 42.143760°N	Long: 76.824979°W
<b>Special Flow Protection Required:</b>	No	

## Section 4. Aquifer Testing

Commission staff determined that sufficient data is available to complete the necessary hydrogeologic evaluation and approved Alternative Hydrogeologic Evaluations (AHEs) for Wells 4 and 5 on June 16, 2022. In support of the AHEs, the project sponsor provided the required groundwater availability analysis, historical withdrawal and water level data, the results of historical aquifer testing and recent operational testing, and analysis and comparison of current operational data to historical testing results. Commission staff determined that the withdrawals from Wells 4 and 5 at the requested withdrawal rates should not cause permanent loss of aquifer storage, render competing supplies unreliable, or cause adverse impacts to the water resources of the basin.

Operational withdrawal and testing data indicates that pumping levels in Well 4 are at or near the elevation of the pump intake (847 feet above mean sea level [AMSL]), which is installed 1 foot above the top of the well screen. To maintain water levels above the top of the well screen, Commission staff recommends that the approval require that the pump intake be maintained at its current position (at least 1 foot above the top of the well screen) or if the pump intake is lowered, installation of an automatic shutoff device at an elevation of 847 feet AMSL or higher, in accordance with Special Condition 20.

Commission staff determined that the withdrawals from Wells 4 and 5 at the requested withdrawal rates should not cause permanent loss of aquifer storage, render competing supplies unreliable, or cause adverse impacts to the water resources of the basin, subject to the conditions set forth below.

## Section 5. Approved Withdrawal Quantities and Limitations

The withdrawals approved hereunder are subject to the quantitative limits and restrictions set forth in the table below.

Approved Withdrawal Quantities and Limitations		
	Well 4	Well 5
30-Day Average Withdrawal (mgd):	0.550	0.580
Maximum Instantaneous Withdrawal Rate (gpm) (Not to Exceed):	525	500
Peak Day Withdrawal (mgd):	0.756	0.720
Total System Withdrawal Limit – Wells 1, 2, 3, 4, and 5 (30-Day Average) (mgd):	2.000	
gpm – gallons per minute		

The withdrawals are also subject to all other conditions set forth in this docket approval.

## Section 6. Existing Approved Withdrawals

The project does not have existing approved withdrawals.

## Section 7. Grandfathering Determination – Withdrawals

On June 29, 2018, the project sponsor submitted a grandfathered water use registration under 18 CFR §§ 806.40-45 for Wells 1, 2, and 3. The Executive Director issued Certificate of Registration No. GF-202212234 for Wells 1, 2, and 3 on December 15, 2022, pursuant to 18 CFR § 806.44.

## Section 8. Standard Conditions

1. The project sponsor shall comply with all Commission regulations, 18 CFR Parts 801, 806, and 808. This project is subject to the Annual Compliance and Monitoring fee as specified

in the Commission's Regulatory Program Fee Schedule, which may be modified over the term of the approval.

2. The project sponsor shall adhere to the metering plan reviewed and approved by Commission staff. Any modifications proposed for the metering plan shall be submitted for review and, if appropriate, approval by Commission staff in accordance with 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan.

3. The project sponsor shall maintain the totalizing meters and other flow and volume measuring devices, accurate to within five (5) percent, so as to provide an accurate record of withdrawals, and certify to the Commission once every five (5) years, or as otherwise requested, the accuracy of all measuring devices and methods to within five (5) percent of actual flow.

4. The project sponsor shall adhere to the groundwater elevation monitoring plan reviewed and approved by Commission staff for the sources listed in Sections 3 and 7. The project sponsor shall maintain and monitor the accuracy of the measuring devices in accordance with the manufacturer's specifications.

5. The project sponsor shall keep daily records of the project's withdrawals and groundwater elevations for the sources listed in Sections 3 and 7, and shall report the data to the Commission quarterly, and as otherwise required, in the form and manner as prescribed by Commission staff. Quarterly monitoring reports shall be submitted online and are due within thirty (30) days after the close of the preceding quarter. Any alternative measuring, monitoring, or accounting procedure, and any modifications proposed for the groundwater elevation monitoring plan, shall be submitted for review and approval by Commission staff in accordance with 18 CFR § 806.30. Modifications shall not be made until the project sponsor receives written approval of the amended plan. All data collected and submitted as required under this approval shall be maintained by the project sponsor for the duration of the approval and all subsequent renewals.

6. The project sponsor or any other person representing the project sponsor shall allow authorized employees or agents of the Commission, without advance notice, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated, or maintained, or otherwise exercise all investigative powers authorized under 18 CFR § 808.12.

7. In accordance with 18 CFR § 806.30(b)(2), the project sponsor shall report violations of any withdrawal limits and any conditions of this approval within five (5) days of such violation or report loss of measuring or recording capabilities required under 18 CFR § 806.30(a)(1) within five (5) days after any such loss.

8. In accordance with 18 CFR § 806.6, if ownership of the project changes or if the project sponsor undergoes a name change, the project sponsor shall submit application for transfer or reissuance of all approvals to the Commission within ninety (90) days of the change in ownership or project sponsor name change.

9. The project sponsor shall comply with the water conservation requirements specified in 18 CFR § 806.25.

10. This approval is conditioned on the project sponsor maintaining legal access to the withdrawal locations for the duration of the approval.

11. The project sponsor shall register with the appropriate agency all groundwater sources described herein, as may be required by regulations of the member jurisdiction. The project sponsor shall also satisfy annual usage, capacity, and conservation reporting requirements in the form and manner prescribed by NYSDEC's Division of Water.

12. If the project sponsor fails to comply with the provisions of the Susquehanna River Basin Compact or any rule, regulation, or order of the Commission, or any term or condition of this docket, the project sponsor is subject to enforcement actions pursuant to 18 CFR Part 808.

13. Commission approval shall not be construed to exempt the project sponsor from obtaining and maintaining all necessary permits and/or approvals required for the project from other federal, state, or local government agencies having jurisdiction over the project. The foregoing shall include, but not be limited to, any applicable permitting requirements of NYSDEC. All such permits and/or approvals shall be obtained prior to the withdrawal of water. The Commission may modify, suspend, or revoke this approval if the project sponsor fails to obtain or maintain such permits and/or approvals. Furthermore, no water withdrawn by this project may be used in natural gas well development using High Volume Hydraulic Fracturing in New York State.

14. The Commission may at any time reopen any project approval or issue such additional orders, as may be necessary, to mitigate or avoid adverse impacts or otherwise to protect public health, safety, welfare, or the environment, pursuant to 18 CFR § 806.32.

15. Commission approval confers no property rights upon the project sponsor. The securing of all rights necessary and incident to the project sponsor's development and operation of the project shall be the sole and exclusive responsibility of the project sponsor, and this approval shall be subject thereto.

16. This project is approved for inclusion in the Commission's Comprehensive Plan for the Water Resources of the Susquehanna River Basin.

17. The project sponsor is required to apply for and obtain approval prior to any increase in withdrawal that would exceed the amounts listed herein.

18. The project sponsor is required to apply for and obtain approval prior to any increase in the total system withdrawal that would exceed the approved total system withdrawal limits listed herein.

19. If the Commission determines that the operation of the project's groundwater withdrawals adversely affect any existing groundwater or surface water withdrawal, the project

sponsor shall be required to provide, at its expense, an alternate water supply or other mitigating measure.

## Section 9. Special Conditions

20. To maintain water levels above the top of the well screen in Well 4, the Well 4 pump intake shall be maintained at its current position of 1 foot above the top of the well screen or an automatic shutoff device be installed an elevation of 847 feet AMSL (43 feet below ground surface [bgs]), if the pump intake is lowered. Prior to lowering the pump, the project sponsor shall provide a brief description of the work to be performed and the automatic shutoff device that will be installed in Well 4 for review and, if appropriate, approval by Commission staff. Within thirty (30) days of completing the work, the project sponsor shall provide documentation that the automatic shutoff device has been installed.

21. Within ninety (90) days of the date of this approval, updated meter certifications for all withdrawal meters shall be submitted to the Commission. Certification of meter accuracy shall be provided to the Commission no less frequent than once every five (5) years from the date of the last certification.

22. Prior to supplying water for any use not authorized pursuant to Section 2 of this approval, the project sponsor shall first submit a minor modification application under 18 CFR § 806.18(c)(4) for such new use to the Executive Director. The project sponsor shall not supply water for such use unless and until such authorization is granted, and pursuant to any supplemental terms and conditions contained in such approval.

## Section 10. Term

23. This approval shall be effective April 1, 2023, and shall remain effective until March 31, 2038. As specified in 18 CFR § 806.31(e), if the project sponsor submits an application on or before September 30, 2037, the project sponsor may continue operation of this project pursuant to the terms and conditions of this approval until such time as the Commission acts on such application, or until otherwise notified by the Executive Director.

24. Commission Docket Nos. 19900302 and 19900302-1 shall remain effective through March 31, 2023, whereupon they shall expire.

**CERTIFICATION:** I, Jason E. Oyler, Secretary to the Susquehanna River Basin Commission, do hereby certify that the foregoing project docket was approved by the Susquehanna River Basin Commission on March 16, 2023.

Dated: March 17, 2023

  
\_\_\_\_\_  
Jason E. Oyler, Esq.