NOTICE OF INTENT TO MODIFY A PERMIT
AUTHORIZING THE USE OF WATER
FOR COMMERCIAL PURPOSES
IN HARDIN COUNTY, IOWA

Notice is hereby given that pursuant to Iowa Code Chapter 455B, there is now on file with the Iowa Department of Natural Resources, 6200 Park Avenue, Suite '200' Des Moines, Iowa 50321, an application as described below.

Pine Lake Corn Processors, IDNR Log No. 34,615, requests to modify a permit authorizing withdrawal of water from seven existing Mississippian Limestone aquifer wells, all approximately 200 feet deep, six wells located in the SW ¼ of Section 3, one well located in the NW ¼ of Section 10, T88N, R19W, Hardin County, Iowa, and one Cambrian-Ordovician (Jordan Sandstone) well, approximately 8 inches in diameter and 2,000 feet deep, pumping at 700 gallons per minute, in the SW ¼ of Section 3, T88N, R19W, Hardin County, all withdrawals in the maximum total quantity of 345 million gallons per year at a maximum total rate of 1,670 gallons per minute for use in the production of fuel grade ethanol on the facility located in the SW ¼ of Section 3, T88N, R19W, Hardin County, Iowa.

This proposed permit modification represents an increase in the yearly withdrawal quantity (320 million gallons per year to 345 million gallons per year), an increase to the instantaneous pumping rate from 1,150 gallons per minute to 1,670 gallons per minute, and the increase in production from the new Jordan Sandstone well for redundancy, as above-described.

The Department has determined that this use of water conforms to the relevant criteria (Iowa Code Chapter 455B and Iowa Administrative Code Chapter 567) and recommends the permit be granted. A copy of the summary report for the application is available upon request to the Department at the address listed above. Comments on the report and this use of water must be received by November 19, 2026, and should specify the (Iowa DNR) log number 34,615.

(Michael K. Anderson, P.E., Senior Environmental Engineer)

IOWA DEPARTMENT OF NATURAL RESOURCES
WATER USE PERMIT SUMMARY REPORT

Applicant: Pine Lake Corn Processors
33275 170th St
Steamboat Rock, IA 50672

Application Log No.: 34,615

Pine Lake Corn Processors, DNR Log No. 34,615, requests to modify a permit authorizing withdrawal of water from seven existing Mississippian Limestone aquifer wells, all approximately 200 feet deep, six wells located in the SW ¼ of Section 3, one well located in the NW ¼ of Section 10, T88N, R19W, Hardin County, Iowa, and one Cambrian-Ordovician (Jordan Sandstone) well, approximately 8 inches in diameter and 2,000 feet deep, pumping at 700 gallons per minute, in the SW ¼ of Section 3, T88N, R19W, Hardin County, all withdrawals in the maximum total quantity of 345 million gallons per year at a maximum total rate of 1,670 gallons per minute for use in the production of fuel grade ethanol on the facility located in the SW ¼ of Section 3, T88N, R19W, Hardin County, Iowa.

This proposed permit modification represents an increase in the yearly withdrawal quantity (320 million gallons per year to 345 million gallons per year), an increase to the instantaneous pumping rate from 1,150 gallons per minute to 1,670 gallons per minute, and the increase in production from the new Jordan Sandstone well for redundancy, as above-described.

1. Seven of the system's production wells are tapping the Mississippian aquifer, an approximately 100-foot-thick formation of limestone and dolomite strata located about 100 feet below the ground surface.

2. The only nearby neighboring well water user requiring the diversion of water in quantities greater than 25,000 gallons per day is a municipal user with two Mississippian aquifer wells located about 3 ¼ miles southwest of the Applicant's withdrawal site. Because of the large separation distance between this permitted water user and the Applicant's production wells, it is not anticipated that this water user will experience any detectable impacts from this proposed use of water.

3. According to information presented by the Applicant, the nearest private well not owned by the Applicant is located about 3,180 feet north of Applicant's Well No. 4. Another private well is located approximately 3,100 feet to the southeast of Applicant's well #1. These wells are most likely in the same formation as the Applicant's production wells. Based on results of the Applicant's pump tests, completed previously, it is unlikely that withdrawals made at the magnitude and rate requested by the Applicant will have any significant impact on properly constructed neighboring wells located at this distance from the withdrawal sites. It is also unlikely that other persons living in the vicinity of the proposed withdrawal sites and having wells in a shallow aquifer will experience any significant impacts from the withdrawals by the Applicant at the quantity and rate proposed.

4. Results of Applicant's pump tests indicate that the use of its production wells as requested would not cause a significant drop in water levels in surrounding wells. If future monitoring of water levels in the Applicant's wells and surrounding wells indicates possible well interference, the interests of individuals using water for domestic purposes, as well as those persons benefiting from water use permits are protected, in the event of substantial injury, pursuant Section 455B.271, Code of Iowa.

5. Whereas the Department has received no allegations of public or private damage resulting from the use of water authorized under the predecessors to this permit since the original permit was granted in February, 2005, the increased amount is justified by law, barring compelling circumstances that mitigate to the contrary.

6. As outlined in rule 567 50.4(3) c., the Permittee may withdraw from the Jordan Sandstone well only when the groundwater potentiometric level in the Jordan Sandstone Aquifer is above a level from the 1978 baseline as

determined from available Department records. The following table expresses the available Department records for this new well.

Pine Lake Corn Processors [8820] Jordan Water Levels	
Local Name	Well #8
Drill Date	09/05/2024
Well Elevation (ft)	1,111
1978 Jordan Water Level Elevation (ft)	808
Estimated Well Depth (ft)	2,000
Estimated Casing Depth (ft)	1,520
Static Water Level Depth (ft)*	348
Pumping Water Level Depth (ft)*	357
1978 Jordan Baseline Water Level Depth (ft)	303
Jordan Tier 2 Depth (1978 level -300 ft.)	603
Jordan Tier 3 Depth (1978 level -400 ft.)	703
Feet Above Tier 2 (Tier 2 – pumping)	246
Feet Above Tier 3 (Tier 3 – pumping)	346

**Water levels submitted via email, October 2026.

7. Consequently, the potentiometric level that governs this permit is ~ 357 feet. This permit is in compliance with this level, since the Jordan Tier 3 calculated level is 703 feet, or 346 feet above that.

8. The applicant is devoting a reasonable amount of water to a beneficial use (production of ethanol). The water usage contributes to the overall economy of the State of Iowa, and accrues an economic benefit to the area in question.

9. There is no evidence that the use of water pursuant to a permit granted in accordance this request will constitute a waste of the water resources of the State, will be incompatible with the state comprehensive plan for water resources, will impair the effect of pollution control laws of this State or the navigability of and navigable watercourse, or will be detrimental to the public interest or to the interests of property owners with prior or superior rights who might be affected.

10. The department has jurisdiction over the surface and ground water of the State as established by specific authority in 455B and 445E of the Code of Iowa. The Department is required to establish and administer a comprehensive program to assure that the water resources of the State be put to beneficial use to the fullest extent possible, that the waste or unreasonable use, or unreasonable methods of use of water be prevented, and that the conservation and protection of water resources be required with the view to their reasonable and beneficial use in the interest of the people.

THEREFORE:

After due consideration of all oral and written comments received from both the applicant and concerned neighbors, analyzing the technical information, and pursuant to the authority granted in Part 4 of Division III of Chapter 455B, Code of Iowa, and Chapters 50 of Part 567, Iowa Administrative Code, department staff have determined that the requested use of water is justified by law and that the attached permit be issued for a period of ten years

Water Supply Engineering

Date: October 23, 2026

IOWA DEPARTMENT OF NATURAL RESOURCES
WATER USE PERMIT

Permit issued to:

PINE LAKE CORN PROCESSORS
33275 10th ST
STEAMBOAT ROCK IA 50672

Permit Number: 8820-M5

Effective: xxx

Expires: xxx

The Permittee is authorized to:

withdraw water from seven existing Mississippian Limestone aquifer wells, all approximately 200 feet deep, six wells located in the SW ¼ of Section 3, one well located in the NW ¼ of Section 10, T88N, R19W, Hardin County, Iowa, and one newly-constructed Cambrian-Ordovician (Jordan Sandstone) well, approximately 8 inches in diameter and 2,000 feet deep, pumping at 100 gallons per minute, in the SW ¼ of Section 3, T88N, R19W, Hardin County, all withdrawals in the maximum total quantity of 320 million gallons per year at a maximum total rate of 1,150 gallons per minute for use in the production of fuel grade ethanol on the facility located in the SW ¼ of Section 3, T88N, R19W, Hardin County, Iowa.

This authorization to withdraw water has been granted pursuant to the provisions of Part 4 of Division III of Chapter 455B, Code of Iowa, and Chapter 50 of Part 567, Iowa Administrative Code, and is further subject to the general permit conditions within this permit.

Conditions of this permit may be appealed as provided in rule 567 IAC 50.9, Iowa Administrative Code. Appeal must be in writing and must be received at the Iowa Department of Natural Resources, Water Supply Engineering Section, 6200 Park Ave, Suite 200, Des Moines, Iowa 50321, within thirty days of the date of the certification of the mailing of the permit.

FOR THE DIRECTOR:

By: _____ Date Executed: _____

cc: Permit File

CERTIFICATE OF MAILING

On the date shown below, a copy of the foregoing permit was mailed to the Permittee and to each person entitled to receive a copy as provided by rule 567--50.8(2), Iowa Administrative Code.

Certified by (initials): _____ Date: _____

GENERAL PERMIT CONDITIONS

1. Permittee shall maintain accurate and up-to-date records of monthly water use from each authorized source and submit them annually to the Department.

2. Permittee may be required to submit other information related to the regulation of this use of water as directed by the Department.

3. Permittee shall be responsible for securing and complying with all applicable provisions of state law, the rules and regulations of this Department, and of all federal and local health and water pollution control agencies in the operation of this facility.

4. Permittee shall be responsible for notifying the Department when there are changes to any conditions and authorizations given in this permit, including additional water source(s), well(s), intake(s), an expansion of the facility, or any other listed condition.

5. Permittee shall construct, maintain, and monitor observation wells as directed by the Department to define the effects of Permittee's water withdrawals on groundwater resources or on other water users who might be affected by the withdrawals authorized herein.

6. Each well authorized as a source of water in this permit must be constructed to allow for accurate measurement of water levels.

7. Withdrawals from permitted wells may be made only after the Permittee has made the following information available to the Department: well location(s), well log(s), and results of yield tests. Required chip samples shall be submitted to the Iowa Geological Survey.

8. Permittee shall be responsible for accurately measuring depth to water under non-pumping (static) conditions, depth to water under pumping conditions, and pumping rate(s) for all active wells listed in this permit, at a minimum of one measurement per year. These records shall be submitted annually to the Department.

9. Permittee must apply to renew this water use permit using the appropriate DNR form prior to the expiration date of the current permit version.

10. If water withdrawals or uses authorized under this permit are determined by the Department, based on available monitoring data, field observations, or other credible evidence, to be the cause of adverse effects on surface water streams, springs, or ponds, or the ecosystems attached or adjacent thereto, then the Department shall notify the Permittee in writing and may require the Permittee to reduce withdrawal rates, conduct additional hydrogeologic investigations, or take other corrective measures deemed necessary to protect the ecological integrity of those surface waters. The Permittee shall respond to any such notice within 30 days with a proposed corrective action plan, subject to Department approval. For purposes of this condition, "adverse effects" include but are not limited to reductions in baseflow, degradation of cold-water or other designated uses, or harm to species or their habitat.

11. Permittee shall submit to the Department within 90 days of being notified by the Department or no later than the expiration date of this permit, whichever first occurs, a plan for implementing routine day-to-day water conservation measures and for implementing emergency water conservation measures during periods of water shortage. Until such a plan has been submitted to and approved by the Department, Permittee shall implement

those emergency water conservation measures determined to be necessary by the Department pursuant to Iowa Code Sections 455B.265 and 455B.266.

12. As outlined in rule 567 50.4(3) c., the Permittee may withdraw from the Jordan Sandstone well only when the groundwater potentiometric level in the Jordan Sandstone Aquifer is above a level from the 1978 baseline as determined from available Department records. The following table expresses the available Department records for this new well.

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13. Consequently, the potentiometric level that governs this permit is ~ 357 feet. This permit is in compliance with this level, since the Jordan Tier 3 calculated level is 703 feet, or 346 feet above that.

14. This permit supersedes Water Use Permit No. 8820-m4.

CAVEAT

Permittee is advised that pursuant to Section 455B.271, Code of Iowa, the authority to withdraw water provided by this permit may be modified, canceled or suspended in case of any breach of the terms or conditions herein, in case of any violation of state law pertaining to the permit, or if found necessary to prevent substantial injury to private or public interests.