

December 16, 2024

MATT THELEN  
WELLMAN DYNAMICS CORPORATION  
1746 COMMERCE ROAD  
CRESTON, IA 50801

RE: Wellman Dynamics Corporation Landfill  
Permit #88-SDP-04-86  
Closure Permit

Dear Mr. Thelen:

Attached is the closure permit for the WDC Acquisition Industrial Landfill. The permit and the approved plans must be kept at the sanitary disposal project in accordance with 567 IAC 115.26(2)'c'.

Note that the permit contains special provisions that may require a response or action by you, which, if not properly complied with, may prompt enforcement action by the DNR. Specifically, we want to draw your attention to special provision #2b, which requires the execution of an Environmental Covenant.

If you have any questions, please contact me at [\(515\) 689-6548](tel:515-689-6548) or [mick.lead@dnr.iowa.gov](mailto:mick.lead@dnr.iowa.gov).

Sincerely,

Michael B. "Mick" Leat  
Land Quality Bureau

cc: Robert Roach, P.E.  
Penn Environmental & Remediation, Inc.  
100 Ryan Court, Suite 100  
Pittsburgh, PA 15205

Field Office 4

Patricia Murrow  
AWMD/WRAP  
EPA Region 7  
11201 Renner Blvd  
Lenexa, KS 66219

**IOWA DEPARTMENT OF NATURAL RESOURCES  
SANITARY DISPOSAL PROJECT CLOSURE PERMIT**

- I. Permit Number:** 88-SDP-04-86
- II. Permitted Agency:** WDC Acquisition Industrial Landfill
- III. Project Location:** Part of the SE ¼, NE ¼, Section 7, T12N, R30W,  
10 Acres, Union County, Iowa (Street Address 1746  
Commerce Road, Creston, IA)
- IV. Responsible Official**
- Name: Ralph Clendenin, COO  
Address: WDC Acquisition LLC  
1746 Commerce Road  
Creston, IA 50801  
Phone: (641)782-0310  
email: ralph.clendenin@wellmandynamics.com
- V. Licensed Design Engineer**
- Name: Robert Roach, P.E.  
Address: Penn Environmental & Remediation, Inc.  
100 Ryan Court, Suite 100  
Pittsburgh, PA 15205  
Phone: (412)722-1222  
email: rroach@penn-er.com
- Iowa License Number: 27705
- VI. Date Permit Issued:** **December 16, 2024**
- VII. Permit Expiration Date:** **December 16, 2054**
- VIII. Issued by:** \_\_\_\_\_  
Department of Natural Resources

**IX. General Provisions**

The above-named permitted agency is hereby authorized to conduct postclosure activities at the closed industrial landfill at the described location in conformance with Iowa Code Chapter 455B, the rules pursuant thereto existing at the time of issuance, and any provisions contained in Section X of this permit.

The facility shall be maintained according to the engineering plans and specifications approved by the Department of Natural Resources and these shall become a part of this permit. Any modifications or deviations from the engineering plans and specifications must have prior approval by the Department and an amendment to this permit issued.

The issuance of this permit in no way relieves the applicant of the responsibility for complying with all other local, state, and federal statutes, ordinances, and rules or other requirements applicable to the closure and maintenance of this closed CCR monofill.

No legal or financial responsibility arising from the construction or operation of the approved project shall attach to the State of Iowa or the Department of Natural Resources due to the issuance of this permit.

If title to this project is transferred, the new owner must apply to the Department for a transfer of this permit within thirty days of the date of title transfer. This permit is void sixty days after the date of title transfer unless the Department has transferred the permit.

This facility shall be surveyed as necessary and inspected as described in the Special Provisions of this permit. Annual water quality and engineering reports shall be prepared containing a brief summary describing the site's conformance and nonconformance with the permit and the approved plans and specifications during the inspections. These reports shall be submitted by November 31 each year to both the Field and Main Offices of the Department. The Department shall be notified if any inspection reveals any non-conformance with the permit and approved plans and specifications.

Failure to comply with Iowa Code Chapter 455B, or any rule of order promulgated pursuant thereto, or any or all provisions of this permit may result in 1) a civil penalty of up to \$5000 for each day of violation, pursuant to Iowa Code section 455B.307.

## **X. Special Provisions**

1. The thirty-year post-closure period for this facility begins on the date of issuance of this Closure Permit.

Issuance of this closure permit prohibits any additional waste disposal or other related landfill activities unless they are specifically approved under an amendment to this permit or permitted under a separate permit

2. This site is closed and shall be maintained in accordance with this permit and the Closure and Postclosure Plan as contained in Appendix 9 of the Permit Application (doc#100620), dated June 3, 2021, and the September 2, 2021 Revision to the Application (doc#101156); both submitted by Penn E&R; and the following:
  - a. The Landfill Closure Report (doc#111441), dated December 5, 2024, as submitted by Penn E&R, which documented the construction of final cover over the landfill, was approved on December 16, 2024 and is incorporated into the permit.

- b. The permit holder shall execute an Environmental Covenant with the Department in lieu of the county recorder notification required in 567 IAC 115.27(9)"d", and as required in Appendices B and C of the Amended and Restated Settlement Agreement dated April 28, 2020 (doc#111457).
3. This site shall be inspected monthly for the first year, or more frequently depending on weather conditions. The frequency of routine inspections may be decreased, but no less frequent than annually, if the permit holder provides justification that monthly inspections are no longer necessary to ensure proper maintenance of the site.
4. All diversion and drainage systems must be maintained to the approved specifications to prevent run-on and runoff erosion, or otherwise damage to the final cover. These diversion and drainage structures must be designed and maintained to meet a 25-year, 24-hour rainfall event.
5. The vegetative cover shall be reseeded as necessary to maintain good vegetative growth. Any invading vegetation whose root system could damage the compacted soil layer shall be removed or destroyed immediately.
6. The integrity and effectiveness of the final cover must be maintained by making repairs as necessary to correct the effects of settling, subsidence, erosion, or other events. If damage to the final cover compacted soil layer occurs, repairs shall be made to correct the damage and return it to its original specifications.
7. The permit holder shall collect leachate from the leachate control system and properly dispose of the leachate either by treatment in an on-site facility, discharge with an NPDES permit; or by discharge to the City of Creston publicly owned treatment works (POTW). If the discharge is to a POTW with a pretreatment program approved by the DNR, the discharge must comply with the terms and conditions of a local permit issued for the discharge by the POTW. If the discharge is to a POTW without an approved pretreatment program a completed treatment agreement form shall be submitted to the DNR's Wastewater Section. Copies of the local permit or treatment agreement shall be provided to the DNR's Solid Waste Section and the local Field office. The treatment agreement must be on DNR Form 31 (542-3221) and must comply with the requirements of subrule 64.3(5).

In addition, the permit holder shall monthly measure leachate head levels and elevations at all piezometers and record the volume of leachate collected and transported to the treatment works. Records of leachate contaminants testing required by the treatment works and any NPDES permit for on-site treated leachate discharges shall be maintained.

The leachate control system shall be operated and maintained in accordance with the approved permit documents. After implementation of the leachate control system, the permit holder shall routinely collect the necessary information and evaluate the effectiveness of the system in controlling the leachate. All documentation shall be summarized in a LCSPE Report. Effective control shall be considered as maintaining compliance with maximum leachate head as defined in 567 IAC 115.26(11)"a"(1), achieving

the lowest possible leachate head as required in 567 IAC 115.26(12)“b”(2), and maintaining surface and groundwater quality standards at compliance monitoring points.

The permit holder shall annually submit the LCSPE Report, including record data, as a supplement to the facility AWQR, as defined in 567 IAC 115.26(8)“d”. The performance evaluation shall include proposed additional leachate control measures and an implementation schedule in the event that the constructed system is not performing effectively.

8. Hydrologic monitoring at the site shall be conducted in accordance with the Hydrologic Monitoring System Plan (HMSP) as contained in Appendix 7 of the Permit Application (doc#100620), dated June 3, 2021, and submitted by Penn E&R, and the following:
  - a. The HMSP shall include upgradient groundwater monitoring points MW-7 and MW-8; downgradient groundwater monitoring points MW-11, MW-12, MW-13, MW-16, MW-17, MW-44, MW-45, MW-46, MW-47, MW-48, and MW-49; and downgradient surface water monitoring point SW-1.

Monitoring points MW-6, MW-9, MW-10, MW-14, MW-15, and MW-18 may be retained as water level measuring points.

- b. DNR construction documentation form 542-1277 and boring logs for all monitoring wells and piezometers shall be submitted within 30 days of installation. DNR construction documentation form 542-1323 shall be submitted within 30 days of establishing surface water monitoring points.
    - c. Quarterly sampling of the approved monitoring points was completed in December 1993.

Continued routine semiannual sampling shall take place each year and be analyzed for the parameters listed in 567 IAC 115.26(4)“e”.

Routine annual testing for the parameters listed in 567 IAC 115.26(4)“f” shall be conducted each year. Supplemental semiannual sampling and analysis for EPA Method 8260B volatile organic compounds (VOCs), fluoride, sulfate, aluminum, arsenic, beryllium, boron, cobalt, lithium, magnesium, manganese, nickel, and strontium shall be conducted in addition to the routine test parameters. All supplemental metal/metalloid analyses shall not be filtered and the analytical results must be reported as totals. The additional testing may be discontinued upon all of the following: **1)** The test results and a request for elimination of the additional sampling are submitted to the DNR; **and 2)** the DNR approves discontinuation of the additional sampling.

- d. Samples collected for total analyses shall not be filtered prior to laboratory analysis. Samples collected for dissolved metals analysis shall be field filtered, preserved, and promptly transferred to a certified laboratory for analysis.
  - e. The Method Detection Limit (MDL) for the test parameters shall not exceed action levels as defined in 567 IAC Chapter 133 or Statewide Standards for a protected groundwater source as listed in 567 IAC 137. If the action levels cannot be feasibly achieved using procedures described in 567 IAC 115.26(5), then the MDL shall not exceed the lowest feasible level.
  - f. Surface monitoring points must be clearly marked in the field and a method for measuring the flow rate at each sampling point shall be devised.
  - g. An AWQR summarizing the effects the facility is having on groundwater and surface water quality shall be submitted to the DNR by January 31 each year. The AWQR shall include the results of the routine groundwater measurements conducted at the monitoring points and all groundwater sampling analysis and the associated DNR sampling forms 542-1322 and 542-1324. A copy of the report shall be sent to the designated EPA RCRA Project Manager for the site.
  - h. Based on water quality standard exceedances for fluoride, magnesium, sodium, and sulfate at the monitoring points MW-7, MW-8, MW-11, MW-12, MW-13, MW-16, MW-17, and SW-1, a Groundwater Quality Assessment Plan was required on October 16, 1995. The Preliminary Groundwater Quality Assessment Report, dated July 15, 1996 (doc#57531), and the Final Report, dated March 25, 1997 (doc#37440), as submitted by Green, adequately addressed the assessment requirements defined in the DNR's February 19, 1996 letter (doc#37386).
  - i. In accordance with the variance approval dated September 27, 2019 (doc #96004), the monitoring well maintenance and performance reevaluation plan is modified to replace in situ permeability testing required in 567 IAC 115.21(2)"d" with biennial evaluations of well recharge rates and chemistry.
9. In accordance with the variance approval dated December 7, 1994 (doc#37273), the permit holder is exempt from monitoring and reporting methane gas levels in site structures and at the property boundary, as required by subrule 567 IAC 115.26(15)"b". Variance approval was based on the inert nature of the foundry sand waste deposited at this site.
  10. The permit holder shall submit an updated Financial Assurance Report Form no later than April 1st, annually, pursuant to 567 IAC 115.31. Use of this form provides permit holders a uniform means of submitting all required documentation to ensure that closure and postclosure cost estimates and applicable financial assurance instruments are updated as required.

11. The Emergency Response and Remedial Action Plan (ERRAP) as contained in Appendix 11 of the Permit Application (doc#100620) in compliance with 567 IAC 115.30(455B) is approved. The permit holder shall follow the approved ERRAP procedures during all emergencies pursuant to rule 103.2(455B). An updated ERRAP shall be submitted at the time of any significant changes in facility closure operations that require modification of the currently approved ERRAP.

**XI. Revision History**

<b>Date</b>	<b>Comment</b>
December 16, 2024	Closure Permit issued