

GOVERNMENT OF THE DISTRICT OF COLUMBIA
Department of Energy and Environment

December 22, 2022

Mike Opdenaker
Regional Vice President
IPR Northeast, LLC
10555 Tucker Street
Beltsville MD 20705

RE: Permit No. 7327 to Install and Operate One Truck-Mounted Temporary Boiler at Soapstone Valley Park

Dear Mike Opdenaker:

Pursuant to sections 200.1 and 200.2 of Title 20 of the District of Columbia Municipal Regulations (20 DCMR), a permit from the Department of Energy and Environment (“the Department”) shall be obtained before any person can construct, modify, or operate a stationary source in the District of Columbia. The application of IPR Northeast, LLC (“the Permittee”) to install and operate one (1) Rush-Overland MFG. – Lift Truck – RLU9391 with mounted propane-fired boiler with a maximum heat input of 14.7 MMBTU/hr and equipped with a low NOx Power Flame Burner – NVC8-G-30 at various locations within Soapstone Valley Park in the Northwest quadrant of Washington DC has been reviewed.

Based on the plans and specifications as detailed in the air permit application dated August 1, 2022, the application is hereby approved, and the installation and operation of the boiler is permitted, subject to the following conditions:

I. General Requirements:

- a. This approval is issued pursuant to the air pollution control requirements of the applicable sections of 20 DCMR for the installation and operation of the boiler.
- b. This permit will expire on December 21, 2024. If continued operation after this date is desired, the Permittee shall submit an application for renewal by August 21, 2024. [20 DCMR 200.4]
- c. Construction, installation, modification, or operation of equipment under the authority of this permit shall be considered acceptance of its terms and conditions.
- d. The Permittee shall allow authorized officials of the District, upon presentation of identification, to:
 1. Enter upon the Permittee’s premises where a source or emission unit is located, an emissions related activity is conducted, or where records required by this permit are kept;

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2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of this permit;
 3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
 4. Sample or monitor, at reasonable times, any substance or parameter for the purpose of assuring compliance with this permit or any applicable requirement.
- e. This permit shall be kept on the premises and produced upon request.
- f. Failure to comply with the provisions of this permit may be grounds for suspension or revocation. [20 DCMR 202.2]

II. Emission Limitations:

- a. The boiler shall not emit pollutants in excess of the following [20 DCMR 201 and 40 CFR 60.41c]:

Pollutant	Emissions Burning Propane (lb/hr)
Oxides of Nitrogen (NO _x)	0.21
Carbon Monoxide (CO)	0.54
Sulfur Dioxide (SO ₂)	0.12
Volatile Organic Compounds (VOC)	0.16
Total Particulate Matter [PM Total] [†]	0.11

[†] PM Total includes both filterable and condensable fractions.

- b. Visible emissions shall not be emitted into the outdoor atmosphere from the boiler, except that discharges not exceeding forty percent (40%) opacity (unaveraged) shall be permitted for two (2) minutes in any sixty (60) minute period and for an aggregate of twelve (12) minutes in any twenty-four hour (24 hr.) period during start-up, cleaning, soot blowing, adjustment of combustion controls, or malfunction of equipment. [20 DCMR 606.1]

Note that 20 DCMR 606 is subject to an EPA-issued call for a State Implementation Plan (SIP) revision (known as a "SIP call") requiring the District to revise 20 DCMR 606. See "State Implementation Plans: Response to Petition for Rulemaking; Restatement and Update of EPA's SSM Policy Applicable to SIPs; Findings of Substantial Inadequacy; and SIP Calls To Amend Provisions Applying to Excess Emissions During Periods of Startup, Shutdown and Malfunction", 80 Fed. Reg. 33840 (June 12, 2015). It is likely that this federal action will result in changes to the requirements of 20 DCMR 606. Any such changes, once finalized in the DCMR, will supersede the language of Condition II(b) as stated above.

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- c. Total suspended particulate matter (TSP) emissions from the boiler shall not exceed 0.09 pounds per million BTU. [20 DCMR 600.1]. *Note that, unless other credible evidence of a violation, such as test results required under Condition IV(a) or (b), are identified, compliance with Condition III(a) of this permit will be considered compliance with this condition.*
- d. An emission into the atmosphere of odorous or other air pollutants from any source in any quantity and of any characteristic, and duration which is, or is likely to be injurious to the public health or welfare, or which interferes with the reasonable enjoyment of life or property is prohibited. [20 DCMR 903.1]
- e. NO_x emissions from the boiler shall not exceed 12 ppm by volume, dry basis, corrected to 3% oxygen. [20 DCMR 201]

III. Operational Limitations:

- a. The Permittee shall only burn propane fuel in the boiler. No other fuel is approved for this boiler. [20 DCMR 201]
- b. The boiler shall be operated to meet the definitions of a “temporary boiler” in 40 CFR 60.41c and 40 CFR 63.11195. To meet this requirement the boiler shall not remain at a single worksite within Soapstone Valley Park for more than 180 consecutive days and shall be designed to, and be capable of, being carried or moved from one location to another by means of, for example, wheels, skids, carrying handles, dollies, trailers, or platforms. The boiler shall not be attached to a foundation. The boiler shall not be moved from one location to another in an attempt to circumvent the residence time requirements of this requirement. [20 DCMR 201, 40 CFR 60.41c and 40 CFR 63.11237]

Note that this is a streamlined permit condition. This limit is established to avoid applicability of 40 CFR 60 Subpart Dc and 40 CFR 63 Subpart JJJJJJ by ensuring that the unit meets the definition of a temporary boiler as defined in 40 CFR 60.41c and the less stringent 40 CFR 63.11237 which allows 12 consecutive months.

- c. The boiler shall be maintained and operated at all times in a manner consistent with the manufacturer’s specifications for the equipment. [20 DCMR 201]
- d. At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain and operate the boiler in a manner consistent with good air pollution control practice for minimizing emissions and according to the manufacturer’s recommended procedures. Determination of whether acceptable operating procedures are being used will be based on information available to the Department which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. [20 DCMR 201]

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IV. Monitoring and Testing Requirements:

- a. In addition to any specific testing requirements specified in this permit, the Department reserves the right to perform or to require that the Permittee perform additional emission tests on the boiler for any reasonable purpose, using methods approved in advance by the Department. [20 DCMR 502.1]
- b. If operations using this boiler at Soapstone Valley Park last for more than 12 months, at least once during the term of this permit, the Permittee shall conduct performance testing on the boiler to determine compliance with Conditions II(a) (except SO₂), (b), (c), and (e), and shall furnish the Department with a written report of the results of such performance test in accordance with the following requirements [20 DCMR 502]:

1. A test protocol shall be submitted in electronic form to air.quality@dc.gov a minimum of thirty (30) days in advance of the proposed test date. The test shall be conducted in accordance with Federal and District requirements.
2. The test protocol and date shall be approved by the Department prior to initiating any testing. The Department must have the opportunity to observe the test for the results to be considered for acceptance.
3. The final results of the testing shall be submitted to the Department within sixty (60) days of the test completion. One (1) original copy and one electronic copy of the test report shall be submitted to the following addresses:

Chief, Compliance and Enforcement Branch
Department of Energy and Environment
Air Quality Division
1200 First Street NE, 5th Floor

and

air.quality@dc.gov

4. The final report of the results shall include the emissions test report (including raw data from the test) as well as a summary of the test results and a statement of compliance or non-compliance with permit conditions to be considered valid. The summary of results and statement of compliance or non-compliance shall contain the following information:
 - A. A statement that the Permittee has reviewed the report from the emissions testing firm and agrees with the findings.
 - B. Permit number(s) and condition(s) which are the basis for the compliance evaluation.
 - C. Summary of results with respect to the permit condition.

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- D. Statement of compliance or non-compliance with each permit condition.
5. The results must demonstrate to the Department's satisfaction that the emission unit is operating in compliance with the applicable regulations and conditions of this permit; if the final report of the test results shows non-compliance the Permittee shall propose corrective action(s). Failure to demonstrate compliance through the test may result in enforcement action.
 - c. At least once per month, during operation of the boiler, the Permittee shall conduct visual observations of the emissions. If no operations are occurring for the boiler during a given month, this shall be so noted. If emissions are visible, the Permittee shall make arrangements for prompt visible emissions testing by a person certified in accordance with EPA Reference Method 9 (40 CFR 60, Appendix A). Such a test shall consist of a minimum of 30 minutes of opacity observations for the boiler in question.
 - d. Regardless of whether or not emissions are observed pursuant to Condition IV(c) of this permit, the Permittee shall conduct a minimum of one visible emissions test for the boiler each year. Such a test program shall consist of a minimum of 30 minutes of opacity observations of the boiler and shall be performed by a person certified in accordance with EPA Reference Method 9 (40 CFR 60, Appendix A).
 - e. The Permittee shall monitor the duration of operations at each worksite within the Soapstone Valley Park to ensure compliance with Condition III(b).

V. Record Keeping and Reporting Requirements:

The Permittee shall maintain the following records for a period of not less than three (3) years from the date of each test, monitoring, sample measurement, report, application, or other activity. Such records must be kept in a form suitable and readily available for expeditious review. [20 DCMR 500.2 and 500.8]

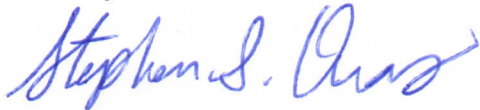
- a. The Permittee shall keep records of the results of all emissions testing required for the boiler pursuant to Conditions IV(a) and (b) of this permit
- b. The Permittee shall maintain records of all visible emissions monitoring performed pursuant to Condition IV(c), including notes indicating when no observations were performed as a result of no operations of the boiler that month. These records shall be maintained in an organized fashion, shall include the identity of the person performing the monitoring, and shall be readily available for inspection by the Department;
- c. The Permittee shall maintain records of all Method 9 visible emissions testing performed pursuant to Conditions IV(c) and (d). These records shall also include the identity of the person performing the visible emissions testing and documentation of his/her Method 9 certification. These records shall include documentation indicating whether the results show compliance with Condition II(b); and

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- d. The Permittee shall maintain records of the amount of fuel used each month in the boiler. This data shall be maintained in a rolling twelve-month sum format.
- e. The Permittee shall maintain records of the date the boiler is moved to each new worksite within Soapstone Valley Park and the date on which it is moved to another worksite or removed from the park to document compliance with Condition III(b).
- f. The Permittee shall submit written notification to the Department of completion of the boiler operations within Soapstone Valley Park within 15 days of such completion. Such notification shall be submitted to air.quality@dc.gov and shall reference the number of this permit.

If you have any questions, please call me at (202) 535-1747 or email stephen.ours@dc.gov.

Sincerely,



Stephen S. Ours, P.E.
Chief, Permitting Branch

SSO:WEB