From: Herner, Holly <Holly.Herner@arcadis.com>
Sent: Thursday, July 9, 2020 3:38 PM
To: Koster, Katherine (EGLE); EGLE-ROP
Cc: Green, Tom; Perko, Matt; Herner, Holly
Subject: B4243 - ROP Application Renewal
Attachments: B4243 ROP Renewal Application 7 9 2020.pdf

Subject: Edw. C. Levy Co. Plant 6 Renewable Operating Permit SRN4243 MI-ROP-B4243-2016

Dear Ms. McLemore:

Enclosed is an application for renewal of ROP No. MI-ROP-B4243-2016 for Edw. C. Levy Co. (Levy) Plant 6 13800 Mellon St., Detroit, MI, 48209. Included is a cover letter, the marked up version of the current ROP, the applications forms, and supplemental information including the Fugitive Dust Plan, PTIs, and MAERs information. In addition to this electronic submittal, the ROP application package will also be submitted in hard copy with arrival on Friday, July 10, 2020 at EGLE Detroit office in accordance with the EGLE procedure for obtaining an administrative completeness determination within 15 days.

If you have any questions regarding this submittal or need additional information, please contact me, Tom Green at 313-690-0139 or tgreen@edwclevy.net, or Matt Perko at 313-820-4057 or mperko@edwclevy.net.

Holly Herner, PE, PhD | Vice President | holly.herner@arcadis.com
Region Manager- Michigan Operations

Arcadis US Inc.
28550 Cabot Drive, Suite 500, Novi, Michigan | 48377 | USA
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July 9, 2020

District Supervisor
EGLE Detroit - AQD
Detroit Field Office, Cadillac Place
3058 W. Grand Blvd., Suite 2-300
Detroit, MI 48202-6058

Subject: Edw. C. Levy Co. Plant 6
Renewable Operating Permit
SRN4243
MI-ROP-B4243-2016

Dear Ms. McLemore:

Enclosed is an application for renewal of ROP No. MI-ROP-B4243-2016 for Edw. C. Levy Co. (Levy) Plant 6 located at 13800 Mellon St., Detroit, MI, 48209. The ROP application package has also been submitted electronically in accordance with the EGLE procedure for obtaining an administrative completeness determination within 15 days.

If you have any questions regarding this submittal or need additional information, please contact me at 313-690-0139 or tgreen@edwclevy.net or Matt Perko, Environmental Engineer, at 313-820-4057 or mperko@edwclevy.net.

Sincerely,

Tom Green

Edw. C. Levy Co.
Director, EHS
Mobile: 313-690-0139
tgreen@edwclevy.net

CC: Matt Perko, Edw. C. Levy Co.
Holly Herner, Arcadis

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

EFFECTIVE DATE: JANUARY 29, 2016

ISSUED TO

EDW. C. LEVY CO. PLANT 6

State Registration Number (SRN): B4243

LOCATED AT

13800 Mellon Street, Detroit, Michigan 48209

RENEWABLE OPERATING PERMIT

Permit Number: MI-ROP-B4243-2016

Expiration Date: January 29, 2021

Administratively Complete ROP Renewal Application Due Between 7-29-2019 and 7-29-2020

This Renewable Operating Permit (ROP) is issued in accordance with and subject to Section 5506(3) of Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451). Pursuant to Michigan Air Pollution Control Rule 210(1), this ROP constitutes the permittee's authority to operate the stationary source identified above in accordance with the general conditions, special conditions and attachments contained herein. Operation of the stationary source and all emission units listed in the permit are subject to all applicable future or amended rules and regulations pursuant to Act 451 and the federal Clean Air Act.

SOURCE-WIDE PERMIT TO INSTALL

Permit Number: MI-PTI-B4243-2016

This Permit to Install (PTI) is issued in accordance with and subject to Section 5505(5) of Act 451. Pursuant to Michigan Air Pollution Control Rule 214a, the terms and conditions herein, identified by the underlying applicable requirement citation of Rule 201(1)(a), constitute a federally enforceable PTI. The PTI terms and conditions do not expire and remain in effect unless the criteria of Rule 201(6) are met. Operation of all emission units identified in the PTI is subject to all applicable future or amended rules and regulations pursuant to Act 451 and the federal Clean Air Act.

Michigan Department of Environmental Quality

_____

Wilhemina McLemore, Detroit District Supervisor

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AUTHORITY AND ENFORCEABILITY

For the purpose of this permit, the **permittee** is defined as any person who owns or operates an emission unit at a stationary source for which this permit has been issued. The **department** is defined in Rule 104(d) as the Director of the Michigan Department of Environmental Quality (MDEQ) or his or her designee.

The permittee shall comply with all specific details in the permit terms and conditions and the cited underlying applicable requirements. All terms and conditions in this ROP are both federally enforceable and state enforceable unless otherwise footnoted. Certain terms and conditions are applicable to most stationary sources for which an ROP has been issued. These general conditions are included in Part A of this ROP. Other terms and conditions may apply to a specific emission unit, several emission units which are represented as a flexible group, or the entire stationary source which is represented as a Source-Wide group. Special conditions are identified in Parts B, C, D and/or the appendices.

In accordance with Rule 213(2)(a), all underlying applicable requirements are identified for each ROP term or condition. All terms and conditions that are included in a PTI, are streamlined, subsumed and/or are state-only enforceable will be noted as such.

In accordance with Section 5507 of Act 451, the permittee has included in the ROP application a compliance certification, a schedule of compliance, and a compliance plan. For applicable requirements with which the source is in compliance, the source will continue to comply with these requirements. For applicable requirements with which the source is not in compliance, the source will comply with the detailed schedule of compliance requirements that are incorporated as an appendix in this ROP. Furthermore, for any applicable requirements effective after the date of issuance of this ROP, the stationary source will meet the requirements on a timely basis, unless the underlying applicable requirement requires a more detailed schedule of compliance.

Issuance of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.

This permit does not relieve the permittee from any responsibilities or obligations imposed on the permittee, at this source, under Consent Order Number 18-1993 entered on September 9, 1994 between the Air Quality Division of the Department of Natural Resources and the permittee.

A. GENERAL CONDITIONS

Permit Enforceability

- All conditions in this permit are both federally enforceable and state enforceable unless otherwise noted. **(R 336.1213(5))**

- Those conditions that are hereby incorporated in a state-only enforceable Source-Wide PTI pursuant to Rule 201(2)(d) are designated by footnote one. **(R 336.1213(5)(a), R 336.1214a(5))**

- Those conditions that are hereby incorporated in a federally enforceable Source-Wide PTI pursuant to Rule 201(2)(c) are designated by footnote two. **(R 336.1213(5)(b), R 336.1214a(3))**

General Provisions

1. The permittee shall comply with all conditions of this ROP. Any ROP noncompliance constitutes a violation of Act 451, and is grounds for enforcement action, for ROP revocation or revision, or for denial of the renewal of the ROP. All terms and conditions of this ROP that are designated as federally enforceable are enforceable by the Administrator of the United States Environmental Protection Agency (USEPA) and by citizens under the provisions of the federal Clean Air Act (CAA). Any terms and conditions based on applicable requirements which are designated as "state-only" are not enforceable by the USEPA or citizens pursuant to the CAA. **(R 336.1213(1)(a))**

2. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this ROP. **(R 336.1213(1)(b))**

3. This ROP may be modified, revised, or revoked for cause. The filing of a request by the permittee for a permit modification, revision, or termination, or a notification of planned changes or anticipated noncompliance does not stay any ROP term or condition. This does not supersede or affect the ability of the permittee to make changes, at the permittee's own risk, pursuant to Rule 215 and Rule 216. **(R 336.1213(1)(c))**

4. The permittee shall allow the department, or an authorized representative of the department, upon presentation of credentials and other documents as may be required by law and upon stating the authority for and purpose of the investigation, to perform any of the following activities **(R 336.1213(1)(d))**:
   a. Enter, at reasonable times, a stationary source or other premises where emissions-related activity is conducted or where records must be kept under the conditions of the ROP.
   b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the ROP.
   c. Inspect, at reasonable times, any of the following:
      i. Any stationary source.
      ii. Any emission unit.
      iii. Any equipment, including monitoring and air pollution control equipment.
      iv. Any work practices or operations regulated or required under the ROP.
   d. As authorized by Section 5526 of Act 451, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the ROP or applicable requirements.

5. The permittee shall furnish to the department, within a reasonable time, any information the department may request, in writing, to determine whether cause exists for modifying, revising, or revoking the ROP or to determine compliance with this ROP. Upon request, the permittee shall also furnish to the department copies of any records that are required to be kept as a term or condition of this ROP. For information which is claimed by the permittee to be confidential, consistent with the requirements of the 1976 PA 442, MCL §15.231 et seq.,

and known as the Freedom of Information Act, the person may also be required to furnish the records directly to the USEPA together with a claim of confidentiality. **(R 336.1213(1)(e))**

6. A challenge by any person, the Administrator of the USEPA, or the department to a particular condition or a part of this ROP shall not set aside, delay, stay, or in any way affect the applicability or enforceability of any other condition or part of this ROP. **(R 336.1213(1)(f))**

7. The permittee shall pay fees consistent with the fee schedule and requirements pursuant to Section 5522 of Act 451. **(R 336.1213(1)(g))**

8. This ROP does not convey any property rights or any exclusive privilege. **(R 336.1213(1)(h))**

Equipment & Design

9. Any collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in Rule 370(2). **(R 336.1370)**

10. Any air cleaning device shall be installed, maintained, and operated in a satisfactory manner and in accordance with the Michigan Air Pollution Control rules and existing law. **(R 336.1910)**

Emission Limits

11. Unless otherwise specified in this ROP, the permittee shall comply with Rule 301, which states, in part, "Except as provided in subrules 2, 3, and 4 of this rule, a person shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of a density greater than the most stringent of the following: **(R 336.1301(1))**
    a. A 6-minute average of 20 percent opacity, except for one 6-minute average per hour of not more than 27 percent opacity.
    b. A limit specified by an applicable federal new source performance standard.

    The grading of visible emissions shall be determined in accordance with Rule 303.

12. The permittee shall not cause or permit the emission of an air contaminant or water vapor in quantities that cause, alone or in reaction with other air contaminants, either of the following:
    a. Injurious effects to human health or safety, animal life, plant life of significant economic value, or property.[1] **(R 336.1901(a))**
    b. Unreasonable interference with the comfortable enjoyment of life and property.[1] **(R 336.1901(b))**

Testing/Sampling

13. The department may require the owner or operator of any source of an air contaminant to conduct acceptable performance tests, at the owner's or operator's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001(1). **(R 336.2001)**

14. Any required performance testing shall be conducted in accordance with Rule 1001(2), Rule 1001(3) and Rule 1003. **(R 336.2001(2), R 336.2001(3), R 336.2003(1))**

15. Any required test results shall be submitted to the Air Quality Division (AQD) in the format prescribed by the applicable reference test method within 60 days following the last date of the test. **(R 336.2001(5))**

Monitoring/Recordkeeping

16. Records of any periodic emission or parametric monitoring required in this ROP shall include the following information specified in Rule 213(3)(b)(i), where appropriate **(R 336.1213(3)(b))**:
    a. The date, location, time, and method of sampling or measurements.
    b. The dates the analyses of the samples were performed.
    c. The company or entity that performed the analyses of the samples.
    d. The analytical techniques or methods used.
    e. The results of the analyses.
    f. The related process operating conditions or parameters that existed at the time of sampling or measurement.

17. All required monitoring data, support information and all reports, including reports of all instances of deviation from permit requirements, shall be kept and furnished to the department upon request for a period of not less than 5 years from the date of the monitoring sample, measurement, report or application. Support information includes all calibration and maintenance records and all original strip-chart recordings, or other original data records, for continuous monitoring instrumentation and copies of all reports required by the ROP. **(R 336.1213(1)(e), R 336.1213(3)(b)(ii))**

Certification & Reporting

18. Except for the alternate certification schedule provided in Rule 213(3)(c)(iii)(B), any document required to be submitted to the department as a term or condition of this ROP shall contain an original certification by a Responsible Official which states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. **(R 336.1213(3)(c))**

19. A Responsible Official shall certify to the appropriate AQD District Office and to the USEPA that the stationary source is and has been in compliance with all terms and conditions contained in the ROP except for deviations that have been or are being reported to the appropriate AQD District Office pursuant to Rule 213(3)(c). This certification shall include all the information specified in Rule 213(4)(c)(i) through (v) and shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the certification are true, accurate, and complete. The USEPA address is: USEPA, Air Compliance Data - Michigan, Air and Radiation Division, 77 West Jackson Boulevard, Chicago, Illinois 60604. **(R 336.1213(4)(c))**

20. The certification of compliance shall be submitted annually for the term of this ROP as detailed in the special conditions, or more frequently if specified in an applicable requirement or in this ROP. **(R 336.1213(4)(c))**

21. The permittee shall promptly report any deviations from ROP requirements and certify the reports. The prompt reporting of deviations from ROP requirements is defined in Rule 213(3)(c)(ii) as follows, unless otherwise described in this ROP. **(R 336.1213(3)(c))**
    a. For deviations that exceed the emissions allowed under the ROP, prompt reporting means reporting consistent with the requirements of Rule 912 as detailed in Condition 25. All reports submitted pursuant to this paragraph shall be promptly certified as specified in Rule 213(3)(c)(iii).
    b. For deviations which exceed the emissions allowed under the ROP and which are not reported pursuant to Rule 912 due to the duration of the deviation, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe reasons for each deviation and the actions taken to minimize or correct each deviation.
    c. For deviations that do not exceed the emissions allowed under the ROP, prompt reporting means the reporting of all deviations in the semiannual reports required by Rule 213(3)(c)(i). The report shall describe the reasons for each deviation and the actions taken to minimize or correct each deviation.

22. For reports required pursuant to Rule 213(3)(c)(ii), prompt certification of the reports is described in Rule 213(3)(c)(iii) as either of the following **(R 336.1213(3)(c))**:
    a. Submitting a certification by a Responsible Official with each report which states that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
    b. Submitting, within 30 days following the end of a calendar month during which one or more prompt reports of deviations from the emissions allowed under the ROP were submitted to the department pursuant to Rule 213(3)(c)(ii), a certification by a Responsible Official which states that, "based on information and belief formed after reasonable inquiry, the statements and information contained in each of the reports submitted during the previous month were true, accurate, and complete". The certification shall include a listing of the reports that are being certified. Any report submitted pursuant to Rule 213(3)(c)(ii) that will be certified on a monthly basis pursuant to this paragraph shall include a statement that certification of the report will be provided within 30 days following the end of the calendar month.

23. Semiannually for the term of the ROP as detailed in the special conditions, or more frequently if specified, the permittee shall submit certified reports of any required monitoring to the appropriate AQD District Office. All instances of deviations from ROP requirements during the reporting period shall be clearly identified in the reports. **(R 336.1213(3)(c)(i))**

24. On an annual basis, the permittee shall report the actual emissions, or the information necessary to determine the actual emissions, of each regulated air pollutant as defined in Rule 212(6) for each emission unit utilizing the emissions inventory forms provided by the department. **(R 336.1212(6))**

25. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the appropriate AQD District Office. The notice shall be provided not later than two business days after the start-up, shutdown, or discovery of the abnormal conditions or malfunction. Notice shall be by any reasonable means, including electronic, telephonic, or oral communication. Written reports, if required under Rule 912, must be submitted to the appropriate AQD District Supervisor within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal conditions or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5) and shall be certified by a Responsible Official in a manner consistent with the CAA. **(R 336.1912)**

Permit Shield

26. Compliance with the conditions of the ROP shall be considered compliance with any applicable requirements as of the date of ROP issuance, if either of the following provisions is satisfied. **(R 336.1213(6)(a)(i), R 336.1213(6)(a)(ii))**
    a. The applicable requirements are included and are specifically identified in the ROP.
    b. The permit includes a determination or concise summary of the determination by the department that other specifically identified requirements are not applicable to the stationary source.

    Any requirements identified in Part E of this ROP have been identified as non-applicable to this ROP and are included in the permit shield.

27. Nothing in this ROP shall alter or affect any of the following:
    a. The provisions of Section 303 of the CAA, emergency orders, including the authority of the USEPA under Section 303 of the CAA. **(R 336.1213(6)(b)(i))**
    b. The liability of the owner or operator of this source for any violation of applicable requirements prior to or at the time of this ROP issuance. **(R 336.1213(6)(b)(ii))**
    c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the CAA. **(R 336.1213(6)(b)(iii))**

d. The ability of the USEPA to obtain information from a source pursuant to Section 114 of the CAA. **(R 336.1213(6)(b)(iv))**

28. The permit shield shall not apply to provisions incorporated into this ROP through procedures for any of the following:
    a. Operational flexibility changes made pursuant to Rule 215. **(R 336.1215(5))**
    b. Administrative Amendments made pursuant to Rule 216(1)(a)(i)-(iv). **(R 336.1216(1)(b)(iii))**
    c. Administrative Amendments made pursuant to Rule 216(1)(a)(v) until the amendment has been approved by the department. **(R 336.1216(1)(c)(iii))**
    d. Minor Permit Modifications made pursuant to Rule 216(2). **(R 336.1216(2)(f))**
    e. State-Only Modifications made pursuant to Rule 216(4) until the changes have been approved by the department. **(R 336.1216(4)(e))**

29. Expiration of this ROP results in the loss of the permit shield. If a timely and administratively complete application for renewal is submitted not more than 18 months, but not less than 6 months, before the expiration date of the ROP, but the department fails to take final action before the end of the ROP term, the existing ROP does not expire until the renewal is issued or denied, and the permit shield shall extend beyond the original ROP term until the department takes final action. **(R 336.1217(1)(c), R 336.1217(1)(a))**

Revisions

30. For changes to any process or process equipment covered by this ROP that do not require a revision of the ROP pursuant to Rule 216, the permittee must comply with Rule 215. **(R 336.1215, R 336.1216)**

31. A change in ownership or operational control of a stationary source covered by this ROP shall be made pursuant to Rule 216(1). **(R 336.1219(2))**

32. For revisions to this ROP, an administratively complete application shall be considered timely if it is received by the department in accordance with the time frames specified in Rule 216. **(R 336.1210(9))**

33. Pursuant to Rule 216(1)(b)(iii), Rule 216(2)(d) and Rule 216(4)(d), after a change has been made, and until the department takes final action, the permittee shall comply with both the applicable requirements governing the change and the ROP terms and conditions proposed in the application for the modification. During this time period, the permittee may choose to not comply with the existing ROP terms and conditions that the application seeks to change. However, if the permittee fails to comply with the ROP terms and conditions proposed in the application during this time period, the terms and conditions in the ROP are enforceable. **(R 336.1216(1)(c)(iii), R 336.1216(2)(d), R 336.1216(4)(d))**

Reopenings

34. A ROP shall be reopened by the department prior to the expiration date and revised by the department under any of the following circumstances:
    a. If additional requirements become applicable to this stationary source with three or more years remaining in the term of the ROP, but not if the effective date of the new applicable requirement is later than the ROP expiration date. **(R 336.1217(2)(a)(i))**
    b. If additional requirements pursuant to Title IV of the CAA become applicable to this stationary source. **(R 336.1217(2)(a)(ii))**
    c. If the department determines that the ROP contains a material mistake, information required by any applicable requirement was omitted, or inaccurate statements were made in establishing emission limits or the terms or conditions of the ROP. **(R 336.1217(2)(a)(iii))**
    d. If the department determines that the ROP must be revised to ensure compliance with the applicable requirements. **(R 336.1217(2)(a)(iv))**

Renewals

35. For renewal of this ROP, an administratively complete application shall be considered timely if it is received by the department not more than 18 months, but not less than 6 months, before the expiration date of the ROP. **(R 336.1210(7))**

Stratospheric Ozone Protection

36. If the permittee is subject to Title 40 of the Code of Federal Regulations (CFR), Part 82 and services, maintains, or repairs appliances except for motor vehicle air conditioners (MVAC), or disposes of appliances containing refrigerant, including MVAC and small appliances, or if the permittee is a refrigerant reclaimer, appliance owner or a manufacturer of appliances or recycling and recovery equipment, the permittee shall comply with all applicable standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F.

37. If the permittee is subject to 40 CFR Part 82, and performs a service on motor (fleet) vehicles when this service involves refrigerant in the MVAC, the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed by the original equipment manufacturer. The term MVAC as used in Subpart B does not include the air-tight sealed refrigeration system used for refrigerated cargo or an air conditioning system on passenger buses using Hydrochlorofluorocarbon-22 refrigerant.

Risk Management Plan

38. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall register and submit to the USEPA the required data related to the risk management plan for reducing the probability of accidental releases of any regulated substances listed pursuant to Section 112(r)(3) of the CAA as amended in 40 CFR Part 68.130. The list of substances, threshold quantities, and accident prevention regulations promulgated under 40 CFR Part 68, do not limit in any way the general duty provisions under Section 112(r)(1).

39. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall comply with the requirements of 40 CFR Part 68, no later than the latest of the following dates as provided in 40 CFR Part 68.10(a):
    a. June 21, 1999,
    b. Three years after the date on which a regulated substance is first listed under 40 CFR Part 68.130, or
    c. The date on which a regulated substance is first present above a threshold quantity in a process.

40. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall submit any additional relevant information requested by any regulatory agency necessary to ensure compliance with the requirements of 40 CFR Part 68.

41. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permittee shall annually certify compliance with all applicable requirements of Section 112(r) as detailed in Rule 213(4)(c)). **(40 CFR Part 68)**

Emission Trading

42. Emission averaging and emission reduction credit trading are allowed pursuant to any applicable interstate or regional emission trading program that has been approved by the Administrator of the USEPA as a part of Michigan's State Implementation Plan. Such activities must comply with Rule 215 and Rule 216. **(R 336.1213(12))**

Permit To Install (PTI)

43. The process or process equipment included in this permit shall not be reconstructed, relocated, or modified unless a PTI authorizing such action is issued by the department, except to the extent such action is exempt from the PTI requirements by any applicable rule.[2] **(R 336.1201(1))**

44. The department may, after notice and opportunity for a hearing, revoke PTI terms or conditions if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of the PTI or is violating the department's rules or the CAA.[2] **(R 336.1201(8), Section 5510 of Act 451)**

45. The terms and conditions of a PTI shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by the PTI. If a new owner or operator submits a written request to the department pursuant to Rule 219 and the department approves the request, this PTI will be amended to reflect the change of ownership or operational control. The request must include all of the information required by Subrules (1)(a), (b) and (c) of Rule 219. The written request shall be sent to the appropriate AQD District Supervisor, MDEQ.[2] **(R 336.1219)**

46. If the installation, reconstruction, relocation, or modification of the equipment for which PTI terms and conditions have been approved has not commenced within 18 months of the original PTI issuance date, or has been interrupted for 18 months, the applicable terms and conditions from that PTI, as incorporated into the ROP, shall become void unless otherwise authorized by the department. Furthermore, the person to whom that PTI was issued, or the designated authorized agent, shall notify the department via the Supervisor, Permit Section, MDEQ, AQD, P. O. Box 30260, Lansing, Michigan 48909, if it is decided not to pursue the installation, reconstruction, relocation, or modification of the equipment allowed by the terms and conditions from that PTI.[2] **(R 336.1201(4))**

Footnotes:
[1]This condition is state-only enforceable and was established pursuant to Rule 201(1)(b).
[2]This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

B. SOURCE-WIDE CONDITIONS

Part B outlines the Source-Wide Terms and Conditions that apply to this stationary source. The permittee is subject to these special conditions for the stationary source in addition to the general conditions in Part A and any other terms and conditions contained in this ROP.

The permittee shall comply with all specific details in the special conditions and the underlying applicable requirements cited. If a specific condition type does not apply to this source, NA (not applicable) has been used in the table. If there are no Source-Wide Conditions, this section will be left blank.

POLLUTION CONTROL EQUIPMENT: Water sprays, side shields

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Fugitive Dust	5% opacity[2]	3-minute average[a,b]	Fugitive dust from any road, lot, storage pile, or material handling activity at a storage pile	SC VI.1&2	**Act 451, Section 5524, Paragraph (2) and Section 5525, Paragraph (j)**
2. Fugitive Dust	20% opacity[2]	3-minute average[a]	Fugitive dust from any other source	SC VI.1&2	**Act 451, Section 5524, Paragraph (2) and Section 5525, Paragraph (j)**

[a] in accordance with Test Method 9D at Act 451, Section 5525, Paragraph (j)
[b] The provisions of this subsection shall not apply to storage pile material handling activities when wind speeds are in excess of 25 miles per hour (40.2 kilometers per hour).

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
NA	NA	NA	NA	NA	NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

A. PROCESS CONTROL MEASURES

1. Control on Process Equipment shall be as follows: Process consists of a series of equipment including grizzly/hopper feeders, screens, conveyors (including the bridge conveyor), crushers, and stackers. Material is thoroughly wetted prior to processing. Water sprays are installed on process equipment and are utilized as necessary to control fugitive emissions. In addition, the bridge conveyor has side shields to prevent loss of material to the river. Units with water sprays are identified in the emission unit description.

~~Grizzly / Feeder (601 A) Material watered before feeding~~
~~Conveyor #1 (604) Uncovered, Material still wet~~
~~Crusher / Screen Tower (611/606) Water sprays~~

~~Conveyor 609~~	~~Uncovered~~
~~Conveyor 610 #2~~	~~Uncovered~~
~~Conveyor 610 A #3~~	~~Uncovered~~
~~Conveyor 612 #9~~	~~Uncovered~~
~~FE Conveyor 614 #10~~	~~Uncovered~~
~~FE Screen~~	~~Uncovered~~
~~Bridge conveyor (BC)~~	~~Side shields~~

(Consent Order SIP 18-1993 (Revised 9/9/94), Exhibit A, Section 3.A)

2. To minimize the fugitive emissions from the loading of trucks and the transporting of material off-site, the following operating practices shall be adhered to:
   a. All trucks transporting finished product shall be tarped before leaving the property.
   b. Drop heights of the front end loader bucket will be no more than two (2) feet above sideboard of the trucks.

(Consent Order SIP 18-1993 (Revised 9/9/94), Exhibit A, Section 3.A)

3. Control of emissions due to vehicle movement about the stockpiles shall be accomplished by applying lignosulfonate, calcium chloride, or an equivalent or more effective material to the traveled areas among the piles. When lignosulfonate is used, the application rate of 5 gal/100 sq. ft. shall be used. The diluted ratio shall be 3:1. The ~~, and the~~ application frequency for a chemical suppressant shall be once per month between March and October. The actual square footage to be controlled shall be dependent upon the amount of material in storage. If a dust suppressant other than lignosulfonate or calcium chloride is used, facility shall submit the demonstration required in IX.1.B.1.

(Consent Order SIP 18-1993 (Revised 9/9/94), Exhibit A, Section 3.A)

4. Spilled material under conveyors shall be attended to on an ongoing basis. Spillage on roadways shall be removed daily. A truck operator who has spilled material onto the road shall be notified so that appropriate action can be taken to prevent future incidences.

(Consent Order SIP 18-1993 (Revised 9/9/94), Exhibit A, Section 3.A)

B. STOCKPILE AREAS and ACTIVITIES.

1. Raw slag shall be watered prior to transfer by front end loader to the grizzly/feeder at the beginning of the process plant. Raw materials are watered to maintain product moisture specifications and for fugitive dust control purposes. Volume of water added to slag processed is estimated and proper watering is confirmed by acceptable visible emissions. ~~Water is added to the material at a rate of 4.0 gallons per ton of slag processed.~~

(Consent Order SIP 18-1993 (Revised 9/9/94), Exhibit A, Section 3.B)

2. Load-out emissions shall be controlled by limiting drop height of the bucket to a maximum of two (2) feet above the sideboard of the truck.

(Consent Order SIP 18-1993 (Revised 9/9/94), Exhibit A, Section 3.B)

C. ROADWAYS AND PARKING LOTS

1. Paved Roads
   a. Paved roads shall be cleaned daily during operating hours, weather permitting, with a power flush or wet/vacuum truck.
   b. Track-out shall be cleaned up daily when it occurs.
   c. Speed limit on paved roads is 15 MPH.

(Consent Order SIP 18-1993 (Revised 9/9/94), Exhibit A, Section 3.C)

2. Unpaved Roads
   a. Unpaved roads shall be treated with a lignosulfonate, calcium chloride (or equivalent) dust suppressant. If lignosulfate is used, the application rate shall be no less than 0.45 gallons of solution per square yard with dilution ratio of 3:1. The application frequency of a chemical suppressant shall

be once per month between March and October. If a dust suppressant other than lignosulfonate or calcium chloride is used, facility shall submit the demonstration required in IX.1.B.1.

b. Speed limit on unpaved roads is 5 MPH.

(Consent Order SIP 18-1993 (Revised 9/9/94), Exhibit A, Section 3.C)

D. PROCESS EMISSIONS (Crushing, Screening, Conveying, and Transfer)

1. Crushing / Screening operations shall be equipped with water sprays for fugitive dust control. Materials shall be wetted with water sprays prior to entering the crushing/screening operations.

2. Conveying and transferring for those conveyors and transfer points covered under III.A.1 shall be equipped with covered conveyors, water sprays, side shields, or scope for fugitive dust control as described under III.A.1.

3. Load-out emission shall be controlled by limited drop height to a maximum of two (2) feet above the sideboard of the truck. All trucks shall be tarped.

(Consent Order SIP 18-1993 (Revised 9/9/94), Exhibit A, Section 3.D)

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

NA

See Appendix 5

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall record the data and information specified in Appendix 4, Section 4.1- Required Records for Fugitive Dust Sources and shall keep the records for a period of at least two years. Records shall be made available to AQD upon written or verbal request. The permittee may use alternate formats with the approval by the AQD District Supervisor for recording equivalent information without the need to modify or amend this permit.

(Consent Order SIP 18-1993, (Revised 9/9/94), Exhibit A, Addendum), R336.1213(3))

2. The permittee shall perform a non-certified visible emission observation of the fugitive dust sources in III.A,B,C,&D at least 5 days per week during representative operations, excluding non-operating days, during March through October. The permittee shall initiate corrective action upon observation of visible emissions and shall keep a written or electronic record of each required observation and corrective action taken. **(R336.1213(3))**

See Appendix 4

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by May 15 for reporting period July 1 to December 31 and November 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by May 15 for the previous calendar year. **(R 336.1213(4)(c))**

4. A quarterly report shall be submitted by the permittee to AQD identifying each day in which an emission limit, operational requirement, or recording requirement, as specified in SIP No. 18-1993 (Revised 9/9/94) Exhibit A (Fugitive Dust Control Plan, Edward C. Levy Co. – Plant #6), was not met. This report shall, for each instance, explain the reason that the emission limit, operational requirement, or recordkeeping requirement was not met, the duration of the event, the remedial action taken, and a description of the steps which were taken to prevent a recurrence. These reports shall be submitted within 30 days following the end of the calendar quarter in which the data was collected. **(Consent Order SIP 18-1993 (Revised 9/9/94), Paragraph 11)**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

1. The permittee may change its processes, modify the fugitive dust control program summarized in Section III, Process/Operational Restrictions and contained in SIP No. 18-1993, or modify the particulate emission control program in accordance with the following:

   A. Process Change

      1. The Permittee may change its operations or process, which are sources of particulate and fugitive dust provided all of the following conditions are met:
         a. The provisions of the Control Programs continue to apply to the subject operation or process;
         b. The change does not result in an increase in the level of fugitive dust or particulate emissions;
         c. The change is approved.

      2. The permittee shall submit to MDEQ a written description of the proposed change and how it meets the requirements of A(1).

      3. The MDEQ shall approve or disapprove the proposed change, in writing, within 45 days after receiving the submitted proposed change, which meets the requirements of (A)(1).

      4. Should the MDEQ disapprove the proposed change, the disapproval must describe the specific reasons for the decision and must be forwarded to the Permittee.

   B. Control Program Revision

      1. The Permittee may revise the Control Programs provided both of the following conditions are met:

         a. The permittee demonstrates, in writing, that the proposed revision does not result in an increase in the level of fugitive dust or particulate emissions and submits the demonstration to the MDEQ for approval.
         b. The revision is approved.

2. The MDEQ shall approve or disapprove the proposed revision, in writing, within 45 days after receiving the submitted proposed revision using an applicable U.S. EPA approved method to demonstrate the proposed revision meets the requirements of B(1).

3. Should the MDEQ disapprove the proposed revision, the disapproval must describe the specific reasons for the decision and must be forwarded to the permittee.
(Consent Order SIP 18-1993, (Revised 9/9/94), Paragraph 13(A)(1), (2), and (B))

2. The conditions contained in this ROP for which a Consent Order is the only identified underlying applicable requirement shall be considered null and void upon the effective date of termination of the Consent Order. The effective date of termination is defined for the purposes of the conditions as the date upon which the Termination Order is signed by the Chief of the AQD. **(R336.1213(3))**

Footnotes:
[1]This condition is state only enforceable and was established pursuant to Rule 201(1)(b).
[2]This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

C. EMISSION UNIT CONDITIONS

Part C outlines terms and conditions that are specific to individual emission units listed in the Emission Unit Summary Table. The permittee is subject to the special conditions for each emission unit in addition to the General Conditions in Part A and any other terms and conditions contained in this ROP.

The permittee shall comply with all specific details in the special conditions and the underlying applicable requirements cited. If a specific condition type does not apply, NA (not applicable) has been used in the table. If there are no conditions specific to individual emission units, this section will be left blank.

EMISSION UNIT SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EULEVYPLANT6	Processing equipment associated with Levy Plant 6, including a ~~grizzly feeder~~feeder, ~~seven~~up to ten ~~-~~ conveyors and stackers including the bridge conveyor, ~~two~~ up to two screen~~s~~s and a crusher. Equipped with water spray system for air pollution control. It does not include equipment associated with EUCONVEYORSYSTEM and EUDEISTERSCREEN.	01/01/1971 9/19/2006 3/2019	NA
EUCONVEYORSYSTEM	Five conveyors, located downstream of the Deister Screen (EUDEISTERSCREEN), designed to transfer slag and related materials to finished product stockpiles. Equipped with water spray system for air pollution control. Additional conveyors located downstream of the Deister Screen are not part of this emission unit.	05/09/1997 9/19/2006	NA
EUDEISTERSCREEN	A 350 ton per hour Deister Screen designed to separate slag and related materials into various finished product sizes. This emission unit includes nine conveyors and three~~four~~ knuckle conveyors. All but two conveyors are located downstream of the screen. Equipped with water spray system and adjustable stacker height mechanism for air pollution control.	04/17/1995 04/2020	NA
EUBOFSLAGPIT	Basic Oxygen Furnace (BOF) slag pits equipped with water spray system for air pollution control. Also includes a partial enclosure of the pot knocking station for emission control.	04/17/1995	NA
EUCOLDCLEANERS	Cold cleaners that meet the applicable requirements of R336.1281(h)	After 7/1/1979	FGCOLDCLEANERS
EUDROPBALLCRANE	This process consists of dropping a large steel ball from a crane onto scrap steel to break it into small pieces to be reused by adjacent steel mill, AK Steel, Dearborn Works.	04/17/1995	FGRULE290

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date/ Modification Date	Flexible Group ID
EUPROCESS#2	1-100 tons per hour hopper and 2-100 tons per hour conveyor used for recycling slag materials back into the screening portion of the existing slag processing plant.	5/11/2004	FGRULE290
EUMATRANSCONVEY	1-200 tons per hour hopper and one conveyor (Pot Slagger)	1985	FGRULE290

EULEVYPLANT6
EMISSION UNIT CONDITIONS

DESCRIPTION

Processing equipment associated with Levy Plant 6, including a ~~grizzly~~ feeder, up to ten ~~seven~~ conveyors and stackers including the bridge conveyor, ~~two~~ up to two screen~~s~~ and a crusher. It does not include equipment associated with EUCONVEYORSYSTEM and EUDEISTERSCREEN.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: Water spray system

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. PM10	~~1.06~~0.73 pounds per hour[2]	Calendar day average	EULEVYPLANT6	SC VI.1,2&4	40 CFR 52.21 (c)&(d) ~~R336.1201(3)~~)
2. PM10	0.~~64~~93 tons per year[2]	Based on a 12 month rolling time period as determined at the end of each calendar month	EULEVYPLANT6	SC VI.3&5	40 CFR 52.21 (c)&(d) ~~R336.1201(3)~~
3. Particulate Matter	2.03~~8.44~~ pounds per hour[2]	Calendar day average	EULEVYPLANT6	SC VI.1,2&4	40 CFR 52.21 (c)&(d) ~~R336.1201(3)~~
4. Particulate Matter	1.79~~7.43~~ tons per year[2]	Based on a 12 month rolling time period as determined at the end of each calendar month	EULEVYPLANT6	SC VI.3&5	40 CFR 52.21 (c)&(d) ~~R336.1201(3)~~
5. Visible Emissions	10% opacity[2]	6-Minute Average	Slag screening operations, conveyors or transfer points on conveyors	SC VI.7,9&10	**R336.1301(1)(c)**
6. Fugitive dust	5% opacity[2]	3-Minute Average	Roadways, parking lots, or storage piles, including any material handling activity at a storage pile	SC VI.8,9&10	**Act 451, Section 5524, Paragraph (2) and Section 5525, Paragraph (j)**

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II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Slag processing plant raw material throughput	400 tons per hour[2]	Calendar day average	EULEVYPLANT6	SC VI.1&2	40 CFR 52.21 (c)&(d) ~~R336.1201(3)~~
2. Slag processing plant raw material throughput	704,000 tons per year[2]	Based on a 12 month rolling time period as determined at the end of each calendar month	EULEVYPLANT6	SC VI.3	40 CFR 52.21 (c)&(d) ~~R336.1201(3)~~
3. Hexavalent chromium content of raw materials (slag) processed	Not more than 11 ppmw	Average of all samples taken, not to exceed three samples per month.[a]	EULEVYPLANT6	SC. V. 1	R 336.1225

a. The permittee is not required to sample more than one time, as required by SC V.1. However, in the event the permittee takes more than one sample, only three samples may be taken in any month.

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall maintain a minimum moisture content of 1.5 percent by weight in the raw materials less than three quarters of an inch in diameter and finished product less than three quarters of an inch in diameter and crushed stone[2]. **(40 CFR 52.21(c)&(d))** ~~**(R 336.1201(3))**~~

2. The permittee shall not operate the slag processing plant unless the adjustable stacker height mechanisms and water spray systems are installed, operated, and maintained to minimize fugitive dust emissions on crushers, screens, conveyors, and at all exit points in order to meet the visible emissions and fugitive dust limits in SC.1. **(40 CFR 52.21(c)&(d))**[2]. ~~**(R 336.1201(3))**~~

3. The permittee shall not crush and screen asbestos tailings or asbestos containing materials, as defined by the National Emission Standards for Hazardous Air Pollutants (40 CFR, 61.143) regulations, in the crushing plant[2]. **(40 CFR 52.21(c)&(d))**~~**(R 336.1201(3))**~~

4. The permittee shall not operate the slag processing plant unless the program for continuous fugitive dust emissions control for the plant has been implemented and maintained[2]. **(R 336.1201(3), R 336.1372, R336.1901)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.12011~~13~~(3)~~)(b)(ii))~~**

1. The permittee shall verify the hexavalent chromium content of the raw materials (slag) used in EULEVYPLANT6 using method SW-846 7199 or another method acceptable to the AQD District Supervisor that is capable of accurately determining the hexavalent chromium content of the material being tested. The permittee must submit the test results to the AQD District Supervisor within 45 days of sample collection. (R 336.1225) ~~NA~~ NA

See Appendix 5

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VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall monitor and record the daily tonnage of material throughput[2]. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&((d))** ~~**(R 336.1201(3))**~~

2. The permittee shall monitor and record the daily hours of operation of the slag processing plant[1]. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&(d),** ~~**(R 336.1901)**~~

3. The permittee shall monitor and record the total material throughput of the slag processing plant on a monthly and 12-month rolling time period as determined at the end of each calendar month. **(40 CFR 52.21(c)&(d)** ~~**(R336.1213(3))**~~

4. The permittee shall calculate and maintain records of the PM and PM10 hourly emissions based on the daily operating hours and daily throughput and appropriate AP42 emission factors or other factors agreed upon by the appropriate AQD Detroit Supervisor. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&(d))** ~~**(R 336.1213(3))**~~

5. The permittee shall keep, in a satisfactory manner, calculations determining the monthly and 12-month rolling time period mass emissions of PM and PM_{10} as determined at the end of each calendar month. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&(d))**
(R 336.1213(3))

6. The permittee shall keep records as specified in the fugitive dust control program and as required under Consent Order SIP 18-1993, (Revised 9/9/94), Exhibit A, Addendum and Appendix 4 of this permit[2]. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&(d))**
~~**(R 336.1201(3))**~~

7. The permittee shall perform a Method 9 certified visible emission observation of the feeder, ~~grizzly feeder,~~ screen~~s~~, crusher, or of the conveyor system at least once every two calendar weeks for a minimum of 15 minutes during representative operations. The permittee shall initiate corrective action upon observation of visible emissions in excess of the applicable visible emission limitation and shall keep a written or electronic record of each required observation and corrective action taken. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&(d))** ~~**(R 336.1213(3))**~~

8. The permittee shall perform a Method 9D certified visible emission observation of loading activities from a finished product storage pile into a truck at least once every two calendar weeks for a minimum of 15 minutes when the loading process is operating. The permittee shall initiate corrective action upon observation of visible emissions in excess of the applicable visible emission limitation and shall keep a written or electronic record of each required observation and corrective action taken. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&(d))** ~~**(R 336.1213(3))**~~

9. The permittee shall conduct periodic inspections for the purpose of determining the operational condition of the adjustable stacker height mechanisms, ~~and~~ water spray systems, ~~on~~ crushers, screen~~s~~, conveyors, and the~~including~~ bridge conveyor side shields (from both sides of the river), ~~and all exit points,~~ and if necessary, identify the reasons for malfunction or failure. These inspections shall be conducted immediately after observing visible emissions in excess of the visible emission limit, but not less frequently than at least once a month and the permittee shall keep a written or electronic record of each inspection and corrective action taken if any. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&(d))** ~~**(R 336.1213(3))**~~

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10. Permittee shall sample each finished product storage pile to determine the minimum moisture content by weight on a weekly basis. The sampling procedure, averaging period for determining the moisture content of each finished product, and corrective actions that will be taken if the moisture content is below the required minimum, shall be submitted to the AQD for review and approval. Records of minimum moisture content sampling and corrective actions taken, if any, shall be maintained. After six weekly samples, the permittee may petition to the Department to reduce the sampling frequency to monthly. This petition must be submitted in writing and approved by the appropriate AQD District Supervisor. **(40 CFR 52.21(c)&(d))~~(R336.1213(3))~~**

~~10.~~ 11. The permittee shall keep in a satisfactory manner, records of the hexavalent chromium content of each raw material sample used in EULEVYPLANT6. The permittee shall keep records on file at the facility and make them available to the Department upon request. **(R336.1225)**

See Appendix 4

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

22. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by May 15 for reporting period July 1 to December 31 and November 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**

~~3.~~ 3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by May 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall label the EULEVYPLANT6 equipment according to a method acceptable to the AQD District Supervisor. Within seven days of completing the labeling, the permittee shall notify the AQD District Supervisor, in writing, as to the date the labeling was completed. **(R336.1201)**

~~NA~~

Footnotes:
[1]This condition is state only enforceable and was established pursuant to Rule 201(1)(b).
[2]This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

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EUCONVEYORSYSTEM
EMISSION UNIT CONDITIONS

DESCRIPTION

Five conveyors, located downstream of the Deister Screen (EUDEISTERSCREEN), designed to transfer slag and related materials to finished product stockpiles. Additional conveyors located downstream of the Deister Screen are not part of this emission unit.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: Water sprays

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Visible emissions	10% opacity[2]	6-Minute Average	EUCONVEYORSYSTEM	SC VI.4&6	**R336.1301(1)(c)**

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Material conveyed	250 tons per hour[2]	Calendar day average	EUCONVEYORSYSTEM	SC VI.1&2	**R336.1201(3)**
2. Material conveyed	492,800 tons per year[2]	Calendar year	EUCONVEYORSYSTEM	SC VI.3	**R336.1201(3)**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate the conveyor system unless the water spray systems are installed, maintained, and operated to minimize fugitive dust emissions on conveyors[2]. **(R 336.1301, R 336.1901)**

2. The permittee shall not operate the conveyor system unless the program for continuous fugitive dust emissions control for all plant roadways, the plant yard, all material storage piles, and all material handling operations has been implemented and is maintained[2]. **(R 336.1372, R 336.1901)**

3. The permittee shall not process any asbestos tailing or waste materials containing asbestos in the conveyor system pursuant to the National Emission Standards for Hazardous Air Pollutants, 40 CFR Part 61, Subpart M[1]. **(R 336.1224, R 336.1225, R 336.1901)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

NA

See Appendix 5

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall monitor and record the daily tonnage of material conveyed[2]. **(R 336.1201(3))**

2. The permittee shall monitor and record the daily hours of operation of the conveyor system[1]. **(R 336.1901)**

3. The permittee shall monitor and record the total material throughput of the conveyor system on a monthly and 12-month rolling time period as determined at the end of each calendar month. **(R 336.1213(3))**

4. The permittee shall perform a Method 9 certified visible emission observation of a representative operating conveyor, including the transfer/drop points of the conveyor system at least once every two calendar weeks for a minimum of 15 minutes during conveying operations. The permittee shall initiate corrective action upon observation of visible emissions in excess of the applicable visible emission limitation and shall keep a written or electronic record of each required observation and corrective action taken**. (R 336.1213(3))**

5. The permittee shall keep records as specified in the fugitive dust control program and as required under Consent Order SIP 18-1993, (Revised 9/9/94), Exhibit A, Addendum and Appendix 4 of this permit[2]. **(R 336.1213(3))**

6. The permittee shall conduct periodic inspections for the purpose of determining the operational condition of the water spray systems on conveyors, and if necessary, the reasons for malfunction or failure. These inspections shall be conducted immediately after observing visible emissions in excess of the visible emission limit, but not less frequently than at least once a month and the permittee shall keep a written or electronic record of each inspection and corrective action taken if any. **(R 336.1213(3))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by May 15 for reporting period July 1 to December 31 and November 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by May 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:
[1]This condition is state only enforceable and was established pursuant to Rule 201(1)(b).
[2]This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

EUDEISTERSCREEN
EMISSION UNIT CONDITIONS

DESCRIPTION

A 350 Ton Per Hour Deister Screen designed to separate slag and related materials into various finished product sizes. This emission unit includes nine conveyors and threefour knuckle conveyors. All but two conveyors are located downstream of the screen.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: Equipped with wWater spray and adjustable stacker mechanism for air pollution control.s

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Visible emissions	10% opacity[2]	6-Minute Average	EUDEISTERSCREEN	SC VI.4&5	**R336.1301(1)(c)**

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Material throughput	350 tons per hour[2]	Hourly	EUDEISTERSCREEN	SC VI.1&2	**R336.1301201(3)**
2. Material throughput	616,000 tons per year[2]	Based on a 12 month rolling time period as determined at the end of each calendar month	EUDEISTERSCREEN	SC VI.3	**R336.12051(3)**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Materials shall be wetted with water sprays to minimize the fugitive emissions prior to entering the screening operations of EUDEISTERSCREEN. **(R336.1301(1)(c))** The permittee shall set and maintain the opacity sensor at a visible emission rate of five percent opacity[2]. **(R 336.1201(3))**

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IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall equip and maintain EUDEISTERSCREEN with water sprays for fugitive dust control. **(R336.1205, R336.1301(1)(c))** NA

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V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1201(3)) ~~13(3)(b)(ii))~~**

1. The permittee shall monitor and record the hourly tonnage of material throughput for EUDEISTERSCREEN. **(R 336.1205, R 336.1301) ~~13(3))~~**

2. The permittee shall monitor and record the daily hours of operation of EUDEISTERSCREEN~~the Deister screen system~~. **(R 336.1301~~213(3))~~)**

3. The permittee shall monitor and record the total material throughput of EUDEISTERSCREEN ~~the Deister screen system~~ on a monthly and 12-month rolling time period as determined at the end of each calendar month. **(R 336.1205~~13(3))~~)**

4. The permittee shall perform a Method 9 certified visible emission observation of a representative operating conveyor of EUDEISTERSCREEN~~the Deister screen system~~ at least once every two calendar weeks for a minimum of 15 minutes during screening operation. The permittee shall initiate corrective action upon observation of visible emissions in excess of the applicable visible emission limitation in SCI.1 and shall keep a written or electronic record of each required observation and corrective action taken. **(R 336.1205, R 336.1301~~13(3))~~)**

5. The permittee shall activate the water sprays if visible emissions are observed during the regular non-certified visible emissions observations that are required to occur at least 5 days per week during representative operations, excluding non-operating days, during March through October. ~~If the sensor reads above 5% opacity, the water sprays shall be actuated~~. The p~~P~~ermittee shall keep a record of corrective actions taken, if other than water sprays. **(R 336.1205, R 336.1301~~13(3))~~)**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by May 15 for reporting period July 1 to December 31 and November 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by May 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

NA

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Footnotes:
[1]This condition is state only enforceable and was established pursuant to Rule 201(1)(b).
[2]This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

EUBOFSLAGPIT
EMISSION UNIT CONDITIONS

DESCRIPTION

Basic Oxygen Furnace (BOF) slag pit with water spray system for fugitive dust emission control. Also includes a partial enclosure of the pot knocking station for emission control.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: Water sprays

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Fugitive Dust	5% opacity[2]	3-minute average[a,b]	Fugitive dust from any road, lot, storage pile, or material handling activity at a storage pile	SC VI.1,2&3	**Act 451, Section 5524, Paragraph (2) and Section 5525, Paragraph (j)**
2. Fugitive Dust	20% opacity[2]	3-minute average[a]	Fugitive dust from any other source	SC VI.1,2&3	**Act 451, Section 5524, Paragraph (2) and Section 5525, Paragraph (j)**

[a]in accordance with Test Method 9D at Act 451, Section 5525, Paragraph (j)
[b] The provisions of this subsection shall not apply to storage pile material handling activities when wind speeds are in excess of 25 miles per hour (40.2 kilometers per hour).

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
NA	NA	NA	NA	NA	NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall quench the dumped slag with water sprays before digging. **(Consent Order SIP 18-1993, (Revised 9/9/94), Exhibit A, Section 3.A)**

2. The permittee shall operate and maintain a partial enclosure with water misting at the pot knocking station[1].**(R336.1901)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall perform a Method 9D certified visible emission observation of slag dumping or digging operation at least once every calendar week for a minimum of 15 minutes during representative dumping or digging operations. Both operations shall be observed within a month. The permittee shall initiate corrective action upon observation of visible emissions in excess of the applicable visible emission limitation and shall keep a written or electronic record of each required observation and corrective action taken. **(R 336.1213(3))**

2. The permittee shall perform a Method 9D certified visible emission observation of the pot knocking station during representative pot knocking operations at least once every calendar week for a minimum of 15 minutes. The permittee shall initiate corrective action upon observation of visible emissions in excess of the applicable visible emission limitation and shall keep a written or electronic record of each required observation and corrective action taken. **(R 336.1213(3))**

3. The permittee shall conduct periodic inspections for the purpose of determining the operational condition of the water spray systems on the slag pit dumping areas and the pot knocking station, and if necessary record the reasons for malfunction or failure noted from the inspection. These inspections shall be conducted during scheduled outages or downtimes, and immediately after observing visible emissions, but not less frequently than at least once every calendar week and permittee shall keep a written or electronic record of each inspection and corrective action taken if any. **(R 336.1213(3))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by May 15 for reporting period July 1 to December 31 and November 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by May 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:
[1]This condition is state only enforceable and was established pursuant to Rule 201(1)(b).
[2]This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

D. FLEXIBLE GROUP CONDITIONS

Part D outlines the terms and conditions that apply to more than one emission unit. The permittee is subject to the special conditions for each flexible group in addition to the General Conditions in Part A and any other terms and conditions contained in this ROP.

The permittee shall comply with all specific details in the special conditions and the underlying applicable requirements cited. If a specific condition type does not apply, NA (not applicable) has been used in the table. If there are no special conditions that apply to more than one emission unit, this section will be left blank.

FLEXIBLE GROUP SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

Flexible Group ID	Flexible Group Description	Associated Emission Unit IDs
FGCOLDCLEANERS	Cold cleaners that meet the applicable requirements of R336.1281(h).	EUCOLDCLEANERS
FGRULE290	New and existing emission units that meet R336.1290 exemption criteria.	EUDROPBALLCRANE, EUPROCESS#2, EUMATRANSCONVEY
FGRICEMACT	New and existing emission units that meet the R336.1285(g) exemption criteria and are subject to the RICE MACT.	EURICECRUSHER, EUFEEDERSTACKERGEN, EUFEEDERMAGSEPARATORGEN, EUSLAGCONVEYORGEN1, EUSLAGCONVEYORGEN2, EUSLAGSTACKERGEN, EUSLAGSCREENGEN, EULIGHTGENS

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FG-COLD CLEANERS
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Any cold cleaner that is grandfathered or exempt from Rule 201 pursuant to Rule 278 and Rule 281(h) or Rule 285(r)(iv). Existing cold cleaners were placed into operation prior to July 1, 1979. New cold cleaners were placed into operation on or after July 1, 1979.

Emission Unit: EUCOLDCLEANERS

POLLUTION CONTROL EQUIPMENT: NA

I. EMISSION LIMIT(S)

NA

II. MATERIAL LIMIT(S)

1. The permittee shall not use cleaning solvents containing more than five percent by weight of the following halogenated compounds: methylene chloride, perchloroethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, chloroform, or any combination thereof. **(R 336.1213(2))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Cleaned parts shall be drained for no less than 15 seconds or until dripping ceases. **(R 336.1611(2)(b), R 336.1707(3)(b))**

2. The permittee shall perform routine maintenance on each cold cleaner as recommended by the manufacturer. **(R 336.1213(3))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The cold cleaner must meet one of the following design requirements:

   a. The air/vapor interface of the cold cleaner is no more than ten square feet. **(R 336.1281(h))**

   b. The cold cleaner is used for cleaning metal parts and the emissions are released to the general in-plant environment. **(R 336.1285(r)(iv))**

2. The cold cleaner shall be equipped with a device for draining cleaned parts. **(R 336.1611(2)(b), R 336.1707(3)(b))**

3. All new and existing cold cleaners shall be equipped with a cover and the cover shall be closed whenever parts are not being handled in the cold cleaner. **(R 336.1611(2)(a), R 336.1707(3)(a))**

4. The cover of a new cold cleaner shall be mechanically assisted if the Reid vapor pressure of the solvent is more than 0.3 psia or if the solvent is agitated or heated. **(R 336.1707(3)(a))**

5. If the Reid vapor pressure of any solvent used in a new cold cleaner is greater than 0.6 psia; or, if any solvent used in a new cold cleaner is heated above 120 degrees Fahrenheit, then the cold cleaner must comply with at least one of the following provisions:

a. The cold cleaner must be designed such that the ratio of the freeboard height to the width of the cleaner is equal to or greater than 0.7. **(R 336.1707(2)(a))**

b. The solvent bath must be covered with water if the solvent is insoluble and has a specific gravity of more than 1.0. **(R 336.1707(2)(b))**

c. The cold cleaner must be controlled by a carbon adsorption system, condensation system, or other method of equivalent control approved by the AQD. **(R 336.1707(2)(c))**

V. TESTING/SAMPLING

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. For each new cold cleaner in which the solvent is heated, the solvent temperature shall be monitored and recorded at least once each calendar week during routine operating conditions. **(R 336.1213(3))**

2. The permittee shall maintain the following information on file for each cold cleaner: **(R 336.1213(3))**

   a. A serial number, model number, or other unique identifier for each cold cleaner.

   b. The date the unit was installed, manufactured or that it commenced operation.

   c. The air/vapor interface area for any unit claimed to be exempt under Rule 281(h).

   d. The applicable Rule 201 exemption.

   e. The Reid vapor pressure of each solvent used.

   f. If applicable, the option chosen to comply with Rule 707(2).

3. The permittee shall maintain written operating procedures for each cold cleaner. These written procedures shall be posted in an accessible, conspicuous location near each cold cleaner. **(R 336.1611(3), R 336.1707(4))**

4. As noted in Rule 611(2)(c) and Rule 707(3)(c), if applicable, an initial demonstration that the waste solvent is a safety hazard shall be made prior to storage in non-closed containers. If the waste solvent is a safety hazard and is stored in non-closed containers, verification that the waste solvent is disposed of so that not more than 20 percent, by weight, is allowed to evaporate into the atmosphere shall be made on a monthly basis. **(R 336.1213(3), R 336.1611(2)(c), R 336.1707(3)(c))**

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

FG-RULE 290
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Any emission unit that emits air contaminants and is exempt from the requirements of Rule 201 pursuant to Rules 278 and 290.

Emission Units: EUDROPBALLCRANE, EUPROCESS#2, EUMATRANSCONVEY

POLLUTION CONTROL EQUIPMENT: NA

I. EMISSION LIMIT(S)

1. Each emission unit that emits only noncarcinogenic volatile organic compounds or noncarcinogenic materials which are listed in Rule 122(f) as not contributing appreciably to the formation of ozone if the total uncontrolled or controlled emissions of air contaminants are not more than 1,000 or 500 pounds per month, respectively. **(R 336.1290(a)(i))**

2. Each emission unit that the total uncontrolled or controlled emissions of air contaminants are not more than 1,000 or 500 pounds per month, respectively, and all the following criteria listed below are met: **(R 336.1290(a)(ii))**

   a. For noncarcinogenic air contaminants, excluding noncarcinogenic volatile organic compounds and noncarcinogenic materials which are listed in Rule 122(f) as not contributing appreciably to the formation of ozone, with initial threshold screening levels greater than or equal to 2.0 micrograms per cubic meter, the uncontrolled or controlled emissions shall not exceed 1,000 or 500 pounds per month, respectively. **(R 336.1290(a)(ii)(A))**

   b. For noncarcinogenic air contaminants, excluding noncarcinogenic volatile organic compounds and noncarcinogenic materials which are listed in Rule 122(f) as not contributing appreciably to the formation of ozone, with initial threshold screening levels greater than or equal to 0.04 microgram per cubic meter and less than 2.0 micrograms per cubic meter, the uncontrolled or controlled emissions shall not exceed 20 or 10 pounds per month, respectively. **(R 336.1290(a)(ii)(B))**

   c. For carcinogenic air contaminants with initial risk screening levels greater than or equal to 0.04 microgram per cubic meter, the uncontrolled or controlled emissions shall not exceed 20 or 10 pounds per month, respectively. **(R 336.1290(a)(ii)(C))**

   d. The emission unit shall not emit any air contaminants, excluding non-carcinogenic volatile organic compounds and noncarcinogenic materials which are listed in Rule 122(f) as not contributing appreciably to the formation of ozone, with an initial threshold screening level or initial risk screening level less than 0.04 microgram per cubic meter. **(R 336.1290(a)(ii)(D))**

3. Each emission unit that emits only noncarcinogenic particulate air contaminants and other air contaminants that are exempted under Rule 290(a)(i) and/or Rule 290(a)(ii), if all of the following provisions are met: **(R 336.1290(a)(iii))**

   a. The particulate emissions are controlled by an appropriately designed and operated fabric filter collector or an equivalent control system which is designed to control particulate matter to a concentration of less than

or equal to 0.01 pound of particulate per 1,000 pounds of exhaust gases and which does not have an exhaust gas flow rate more than 30,000 actual cubic feet per minute. **(R 336.1290(a)(iii)(A))**

b. The visible emissions from the emission unit are not more than five percent opacity in accordance with the methods contained in Rule 303. **(R 336.1290(a)(iii)(B))**

c. The initial threshold screening level for each particulate air contaminant, excluding nuisance particulate, is more than 2.0 micrograms per cubic meter. **(R 336.1290(a)(iii)(C))**

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The provisions of Rule 290 apply to each emission unit that is operating pursuant to Rule 290. **(R 336.1290)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall maintain records of the following information for each emission unit for each calendar month using the methods outlined in the DEQ, AQD Rule 290, Permit to Install Exemption Record form (EQP 3558) or in a format that is acceptable to the AQD District Supervisor. **(R 336.1213(3))**

   a. Records identifying each air contaminant that is emitted. **(R 336.1213(3))**

   b. Records identifying if each air contaminant is controlled or uncontrolled. **(R 336.1213(3))**

   c. Records identifying if each air contaminant is either carcinogenic or non-carcinogenic. **(R 336.1213(3))**

   d. Records identifying the ITSL and IRSL, if established, of each air contaminant that is being emitted under the provisions of Rules 290(a)(ii) and (iii). **(R 336.1213(3))**

   e. Material use and calculations identifying the quality, nature, and quantity of the air contaminant emissions in sufficient detail to demonstrate that the actual emissions of the emission unit meet the emission limits outlined in this table and Rule 290. **(R 336.1213(3), R 336.1290(c))**

2. The permittee shall maintain an inventory of each emission unit that is exempt pursuant to Rule 290. This inventory shall include the following information. **(R 336.1213(3))**

   a. The permittee shall maintain a written description of each emission unit as it is maintained and operated throughout the life of the emission unit. **(R 336.1290(b), R 336.1213(3))**

   b. For each emission unit that emits noncarcinogenic particulate air contaminants pursuant to Rule 290(a)(iii), the permittee shall maintain a written description of the control device, including the designed control efficiency and the designed exhaust gas flow rate**. (R 336.1213(3))**

3. For each emission unit that emits noncarcinogenic particulate air contaminants pursuant to Rule 290(a)(iii), the permittee shall perform a monthly visible emission observation of each stack or vent during routine operating conditions. This observation need not be performed using Method 9. The permittee shall keep a written record of the results of each observation. **(R 336.1213(3))**

See Appendix 4

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

FGRICEMACT
FLEXIBLE GROUP CONDITIONS

DESCRIPTION

Each existing or each new non-emergency, stationary, reciprocating internal combustion engine (RICE) equal to or less than 300 hp as identified within 40 CFR Part 63 Subpart ZZZZ, 63.6590(a)(1)(ii) or 63.6590(a)(2)(ii) at a major source, that is exempt from the requirements of Rule 201 pursuant to Rule 285(g).

Emission Units: EURICECRUSHER, EUFEEDERSTACKERGEN, EUFEEDERMAGSEPARATORGEN, EUSLAGCONVEYORGEN1, EUSLAGCONVEYORGEN2, EUSLAGSTACKERGEN, EUSLAGSCREENGEN EULIGHTGENS

POLLUTION CONTROL EQUIPMENT

NA

I. EMISSION LIMIT(S)

1. New stationary CI ICE model years 2007 and later with a displacement of less than 30 liters per cylinder must comply with emission standards for new CI engines per 40 CFR 60.4201. **(40 CFR 60.4204(b))**

2. New stationary CI ICE, model years 2007 and later, engines with maximum engine power less than or equal to 2,237 kilowatt (3,000 hp) and a displacement of less than 10 liters per cylinder must comply with emission standards for new non-road CI engines. **(40 CFR 60.4201(a))**

3. The permittee shall not emit more than 120 parts per million by volume SO2 at 50% excess air. This applies individually to each emission unit of FGRICEMACT. **(R 336.1401(1), Michigan State Implementation Plan)**

II. MATERIAL LIMIT(S)

1. Owners and operators of new stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. **(40 CFR 60.4207(b))**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. For new stationary RICE, the permittee must meet the requirements of 40 CFR Part 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60, Subpart IIII, for compression ignition engines. **(40 CFR 63.6590(c)**

2. For new stationary RICE, the permittee must operate and maintain the stationary CI ICE and control device according to the manufacturer's emission-related written instructions, change only those emission-related settings that are permitted by the manufacturer; and meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable. **(40 CFR 60.4211)**

3. For existing stationary RICE, the permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. **(40 CFR 63.6605(b))**

4. For existing stationary RICE, the permittee must operate and maintain the existing stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or develop and follow maintenance plan for existing stationary RICE which must provide to the extent practicable for the

maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. **(40 CFR 63.6625(e)(4), 40 CFR 63 Subpart ZZZZ Table 6, Item 9).**

5. For operation of an existing stationary RICE, comply with the requirements in 40 CFR 63.6603 and Table 2c:
   a. Change oil and filter every 1,000 hours of operation or annually, whichever comes first;[1]
   b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
   c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
   d. During periods of startup, minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. **(40 CFR 63.6625(h))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

NA

See Appendix 5

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii))**

1. The permittee shall keep records for existing stationary RICE as required per 40 CFR 63.6655 (except 63.6655(c) and (f)). **(40 CFR 63.6655)**
2. The permittee shall maintain, at a minimum, the following records for existing stationary RICE by the applicable compliance date:
   a. A copy of each notification and report that is submitted to comply with 40 CFR Part 63, Subpart ZZZZ and the documentation supporting each notification and report. **(40 CFR 63.6655(a)(1))**
   b. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. **(40 CFR 63.6655(a)(2))**
   c. Records of all required maintenance performed on the air pollution control and monitoring equipment. **(40 CFR 63.6655(a)(4))**
   d. Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. **(40 CFR 63.6655(a)(5))**
3. The permittee shall keep records for existing stationary RICE as required to show continuous compliance with each emission or operating limit that applies. **(40 CFR 63.6655(d))**
4. The permittee shall keep records for existing stationary RICE of the maintenance conducted on the existing stationary RICE in order to demonstrate that the permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to the permittee's maintenance plan. **(40 CFR 63.6655(e))**

VII. REPORTING

1. For existing stationary RICE, report each instance an operating limitation was not met per Table 2c. These instances are deviations from the emission and operating limitations and must be reported according to the requirements in §63.6650. **(40 CFR 63.6640(b))**

2. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

3. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i))**

4. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

NA

Footnotes:
[1] This condition is state only enforceable and was established pursuant to Rule 201(1)(b).
[2] This condition is federally enforceable and was established pursuant to Rule 201(1)(a).

E. NON-APPLICABLE REQUIREMENTS

At the time of the ROP issuance, the AQD has determined that no non-applicable requirements have been identified for incorporation into the permit shield provision set forth in the General Conditions in Part A pursuant to Rule 213(6)(a)(ii).

APPENDICES

Appendix 1. Abbreviations and Acronyms

Common Acronyms		Pollutant / Measurement Abbreviations	
AQD	Air Quality Division	acfm	Actual cubic feet per minute
BACT	Best Available Control Technology	BTU	British Thermal Unit
CAA	Clean Air Act	°C	Degrees Celsius
CAM	Compliance Assurance Monitoring	CO	Carbon Monoxide
CEM	Continuous Emission Monitoring	CO_2e	Carbon Dioxide Equivalent
CFR	Code of Federal Regulations	dscf	Dry standard cubic foot
COM	Continuous Opacity Monitoring	dscm	Dry standard cubic meter
Department/ department	Michigan Department of Environmental Quality	°F	Degrees Fahrenheit
		gr	Grains
EU	Emission Unit	HAP	Hazardous Air Pollutant
FG	Flexible Group	Hg	Mercury
GACS	Gallons of Applied Coating Solids	hr	Hour
GC	General Condition	HP	Horsepower
GHGs	Greenhouse Gases	H_2S	Hydrogen Sulfide
HVLP	High Volume Low Pressure*	kW	Kilowatt
ID	Identification	lb	Pound
IRSL	Initial Risk Screening Level	m	Meter
ITSL	Initial Threshold Screening Level	mg	Milligram
LAER	Lowest Achievable Emission Rate	mm	Millimeter
MACT	Maximum Achievable Control Technology	MM	Million
MAERS	Michigan Air Emissions Reporting System	MW	Megawatts
MAP	Malfunction Abatement Plan	NMOC	Non-methane Organic Compounds
MDEQ	Michigan Department of Environmental Quality	NO_x	Oxides of Nitrogen
		ng	Nanogram
MSDS	Material Safety Data Sheet	PM	Particulate Matter
NA	Not Applicable	PM10	Particulate Matter equal to or less than 10 microns in diameter
NAAQS	National Ambient Air Quality Standards		
NESHAP	National Emission Standard for Hazardous Air Pollutants	PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
NSPS	New Source Performance Standards	pph	Pounds per hour
NSR	New Source Review	ppm	Parts per million
PS	Performance Specification	ppmv	Parts per million by volume
PSD	Prevention of Significant Deterioration	ppmw	Parts per million by weight
PTE	Permanent Total Enclosure	psia	Pounds per square inch absolute
PTI	Permit to Install	psig	Pounds per square inch gauge
RACT	Reasonable Available Control Technology	scf	Standard cubic feet
ROP	Renewable Operating Permit	sec	Seconds
SC	Special Condition	SO_2	Sulfur Dioxide
SCR	Selective Catalytic Reduction	TAC	Toxic Air Contaminant
SNCR	Selective Non-Catalytic Reduction	Temp	Temperature
SRN	State Registration Number	THC	Total Hydrocarbons
TEQ	Toxicity Equivalence Quotient	tpy	Tons per year
USEPA/EPA	United States Environmental Protection Agency	µg	Microgram
		µm	Micrometer or Micron
VE	Visible Emissions	VOC	Volatile Organic Compounds
		yr	Year

*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 pounds per square inch gauge (psig).

Appendix 2. Schedule of Compliance

The permittee certified in the ROP application that this stationary source is in compliance with all applicable requirements and the permittee shall continue to comply with all terms and conditions of this ROP. A Schedule of Compliance is not required. **(R 336.1213(4)(a), R 336.1119(a)(ii))**

Appendix 3. Monitoring Requirements

Specific monitoring requirement procedures, methods or specifications are detailed in Part A or the appropriate Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Therefore, this appendix is not applicable.

Appendix 4. Recordkeeping

The permittee shall use the following approved formats and procedures for the recordkeeping requirements referenced in Part B / Source-Wide Conditions. Alternative formats must be approved by the AQD District Supervisor.

4.1 Required Records for Fugitive Dust Sources

A. Unpaved Roads / Lots
1. Date of Treatment
2. Control Measure Used
3. Responsible Person's Initial
4. Name of Product Applied
5. Amount of Solution / Water Applied
6. Dilution Ratio
7. Road Segment / Lot Identification

B. Paved Roads / Lots
1. Date of Treatment
2. Control Measure Used
3. Responsible Person's Initial
4. Road Segment / Lot Identification

C. Storage Piles / Material Handling
1. Date of Treatment
2. Control Measure Used
3. Responsible Person's Initial
4. Dilution Ratio
5. Amount of Dust Suppressant / Water Applied
6. Identification of Pile / Material Handling Operation Treated
7. Equipment Used

D. Optional Records
1. Precipitation
2. Temperature
3. Wind Direction and Velocity

Appendix 5. Testing Procedures

There are no specific testing requirement plans or procedures for this ROP. Therefore, this appendix is not applicable.

Appendix 6. Permits to Install

Source-Wide PTI No MI-PTI-B4243-2009 is being reissued as Source-Wide PTI No. MI-PTI-B4243-2016.

Appendix 7. Emission Calculations

There are no specific emission calculations to be used for this ROP. Therefore, this appendix is not applicable.

Appendix 8. Reporting

A. Annual, Semiannual, and Deviation Certification Reporting

The permittee shall use the MDEQ, AQD, Report Certification form (EQP 5736) and MDEQ, AQD, Deviation Report form (EQP 5737) for the annual, semiannual and deviation certification reporting referenced in the Reporting Section of the Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Alternative formats must meet the provisions of Rule 213(4)(c) and Rule 213(3)(c)(i), respectively, and be approved by the AQD District Supervisor.

B. Other Reporting

Specific reporting requirement formats and procedures are detailed in Part A or the appropriate Source-Wide, Emission Unit and/or Flexible Group Special Conditions. Therefore, Part B of this appendix is not applicable.

EGLE

RENEWABLE OPERATING PERMIT
RENEWAL APPLICATION FORM

This information is required by Article II, Chapter 1, Part 55 (Air Pollution Control) of P.A. 451 of 1994, as amended, and the Federal Clean Air Act of 1990. Failure to obtain a permit required by Part 55 may result in penalties and/or imprisonment. Refer to instructions for additional information to complete the Renewable Operating Permit Renewal Application Form.

GENERAL INSTRUCTIONS

This application form should be submitted as part of an administratively complete application package for renewal of a Renewable Operating Permit (ROP). This application form consists of nine parts. Parts A – H must be completed for all applications and must also be completed for each section of a sectioned ROP. Answer all questions in all parts of the form unless directed otherwise. Detailed instructions for this application form can be found at http://michigan.gov/air (select the Permits Tab, "Renewable Operating Permits (ROP)/Title V", then "ROP Forms & Templates").

PART A: GENERAL INFORMATION

Enter information about the source, owner, contact person and the responsible official.

SOURCE INFORMATION

SRN	SIC Code	NAICS Code	Existing ROP Number	Section Number (if applicable)
B4243	3295	327992	MI-ROP-B4243-2016	

Source Name
Edw. C. Levy Co. Plant 6

Street Address
13800 Mellon Street

City	State	ZIP Code	County
Detroit	MI	48209	Wayne

Section/Town/Range (if address not available)

Source Description
Edw. C. Levy Co. operates a steel furnace slag processing plant, slag pit operations, and screening and conveying operations associated with operations at 13800 Mellon St., Detroit, MI, known as Plant 6. All of the plant's operations are entirely dependent on the collocated steel mill for their raw material.

☐ Check here if any of the above information is different than what appears in the existing ROP. Identify any changes on the marked-up copy of your existing ROP.

OWNER INFORMATION

Owner Name	Section Number (if applicable)
Edw. C. Levy Co.	

Mailing address (☐ check if same as source address)
8800 Dix Ave.

City	State	ZIP Code	County	Country
Detroit	MI	48209	Wayne	USA

☐ Check here if any information in this ROP renewal application is confidential. Confidential information should be identified on an Additional Information (AI-001) Form.

SRN: B4243	Section Number (if applicable):

PART A: GENERAL INFORMATION (continued)

At least one contact and responsible official must be identified. Additional contacts and responsible officials may be included if necessary.

CONTACT INFORMATION

Contact 1 Name			Title	
Matt Perko			Environmental Engineer	
Company Name & Mailing address (☐ check if same as source address) 8800 Dix Ave.				
City Detroit	State MI	ZIP Code 48209	County Wayne	Country USA
Phone number 313-820-4057		E-mail address mperko@edwclevy.net		

Contact 2 Name (optional)			Title	
Company Name & Mailing address (☐ check if same as source address)				
City	State	ZIP Code	County	Country
Phone number		E-mail address		

RESPONSIBLE OFFICIAL INFORMATION

Responsible Official 1 Name			Title	
J. Keith Walker II			General Operations Manager	
Company Name & Mailing address (☐ check if same as source address) 8800 Dix Ave.				
City Detroit	State MI	ZIP Code 48209	County Wayne	Country USA
Phone number 260-417-6331		E-mail address kwalker@edwclevy.net		

Responsible Official 2 Name (optional)			Title	
Russell Burke			Director Steel Mill Services	
Company Name & Mailing address (☐ check if same as source address) 8800 Dix Ave.				
City Detroit	State MI	ZIP Code 48209	County Wayne	Country USA
Phone number 313-429-2601		E-mail address rburke@edwclevy.net		

☐ Check here if an AI-001 Form is attached to provide more information for Part A. Enter AI-001 Form ID:

SRN: B4243	Section Number (if applicable):

PART B: APPLICATION SUBMITTAL and CERTIFICATION by Responsible Official

Identify the items that are included as part of your administratively complete application in the checklist below. For your application to be complete, it must include information necessary to evaluate the source and to determine all applicable requirements. Answer the compliance statements as they pertain to all the applicable requirements to which the source is subject. The source's Responsible Official must sign and date this form.

Listing of ROP Application Contents. Check the box for the items included with your application.

☒ Completed ROP Renewal Application Form (and any AI-001 Forms) (required)	☐ Compliance Plan/Schedule of Compliance
☒ Mark-up copy of existing ROP using official version from the AQD website (required)	☐ Stack information
☒ Copies of all Permit(s) to Install (PTIs) that have not been incorporated into existing ROP (required)	☐ Acid Rain Permit Initial/Renewal Application
☒ Criteria Pollutant/Hazardous Air Pollutant (HAP) Potential to Emit Calculations (COMBUSTION)	☐ Cross-State Air Pollution Rule (CSAPR) Information
☒ MAERS Forms (to report emissions not previously submitted)	☐ Confidential Information
☐ Copies of all Consent Order/Consent Judgments that have not been incorporated into existing ROP	☒ Paper copy of all documentation provided (required)
☐ Compliance Assurance Monitoring (CAM) Plan	☒ Electronic documents provided (optional)
☒ Other Plans (e.g., Malfunction Abatement, Fugitive Dust, Operation and Maintenance, etc.)	☐ Other, explain:

Compliance Statement

This source is in compliance with **all** of its applicable requirements, including those contained in the existing ROP, Permits to Install that have not yet been incorporated into that ROP, and other applicable requirements not currently contained in the existing ROP. ☒ Yes ☐ No

This source will continue to be in compliance with all of its applicable requirements, including those contained in the existing ROP, Permits to Install that have not yet been incorporated into that ROP, and other applicable requirements not currently contained in the existing ROP. ☒ Yes ☐ No

This source will meet in a timely manner applicable requirements that become effective during the permit term. ☒ Yes ☐ No

The method(s) used to determine compliance for each applicable requirement is/are the method(s) specified in the existing ROP, Permits to Install that have not yet been incorporated into that ROP, and all other applicable requirements not currently contained in the existing ROP.

If any of the above are checked No, identify the emission unit(s) or flexible group(s) affected and the specific condition number(s) or applicable requirement for which the source is or will be out of compliance at the time of issuance of the ROP renewal on an AI-001 Form. Provide a compliance plan and schedule of compliance on an AI-001 Form.

Name and Title of the Responsible Official (Print or Type)

J. Keith Walker II, General Operations Manager

As a Responsible Official, I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this application are true, accurate, and complete.

James Keith Walker II — **Signature of Responsible Official**

7/8/2020 — **Date**

SRN: B4243	Section Number (if applicable):

PART C: SOURCE REQUIREMENT INFORMATION

Answer the questions below for specific requirements or programs to which the source may be subject.

C1.	Actual emissions and associated data from **all** emission units with applicable requirements (including those identified in the existing ROP, Permits to Install and other equipment that have not yet been incorporated into the ROP) are required to be reported in MAERS. Are there any emissions and associated data that have not been reported in MAERS for the most recent emissions reporting year? If Yes, identify the emission unit(s) that was/were not reported in MAERS on an AI-001 Form. Applicable MAERS form(s) for unreported emission units must be included with this application.	☒ Yes ☐ No
C2.	Is this source subject to the federal regulations on ozone-depleting substances? (40 CFR Part 82)	☒ Yes ☐ No
C3.	Is this source subject to the federal Chemical Accident Prevention Provisions? (Section 112(r) of the Clean Air Act Amendments, 40 CFR Part 68)	☐ Yes ☒ No
	If Yes, a Risk Management Plan (RMP) and periodic updates must be submitted to the USEPA. Has an updated RMP been submitted to the USEPA?	☐ Yes ☐ No
C4.	Has this stationary source **added or modified** equipment since the last ROP renewal that changes the potential to emit (PTE) for criteria pollutant (CO, NOx, PM10, PM2.5, SO_2, VOC, lead) emissions? If Yes, include potential emission calculations (or the PTI and/or ROP revision application numbers, or other references for the PTE demonstration) for the added or modified equipment on an AI-001 Form. If No, criteria pollutant potential emission calculations do not need to be included.	☒ Yes ☐ No
C5.	Has this stationary source **added or modified** equipment since the last ROP renewal that changes the PTE for hazardous air pollutants (HAPs) regulated by Section 112 of the federal Clean Air Act? If Yes, include potential emission calculations (or the PTI and/or ROP revision application numbers or other references for the PTE demonstration) for the added or modified equipment on an AI-001 Form. Fugitive emissions must be included in HAP emission calculations. If No, HAP potential emission calculations do not need to be included.	☐ Yes ☒ No
C6.	Are any emission units subject to the Cross-State Air Pollution Rule (CSAPR)? If Yes, identify the specific emission unit(s) subject to CSAPR on an AI-001 Form.	☐ Yes ☒ No
C7.	Are any emission units subject to the federal Acid Rain Program? If Yes, identify the specific emission unit(s) subject to the federal Acid Rain Program on an AI-001 Form.	☐ Yes ☒ No
	Is an Acid Rain Permit Renewal Application included with this application?	☐ Yes ☒ No
C8.	Are any emission units identified in the existing ROP subject to compliance assurance monitoring (CAM)? If Yes, identify the specific emission unit(s) subject to CAM on an AI-001 Form. If a CAM plan has not been previously submitted to the MDEQ, one must be included with the ROP renewal application on an AI-001 Form. If the CAM Plan has been updated, include an updated copy.	☐ Yes ☒ No
	Is a CAM plan included with this application?	☐ Yes ☒ No
	If a CAM Plan is included, check the type of proposed monitoring included in the Plan: 1. Monitoring proposed by the source based on performance of the control device, or	☐
	2. Presumptively Acceptable Monitoring, if eligible	☐
C9.	Does the source have any plans such as a malfunction abatement plan, fugitive dust plan, operation/maintenance plan, or any other monitoring plan that is referenced in an existing ROP, Permit to Install requirement, or any other applicable requirement? If Yes, then a copy must be submitted as part of the ROP renewal application.	☒ Yes ☐ No
C10.	Are there any specific requirements that the source proposes to be identified in the ROP as non-applicable? If Yes, then a description of the requirement and justification must be submitted as part of the ROP renewal application on an AI-001 Form.	☐ Yes ☒ No

☒ Check here if an AI-001 Form is attached to provide more information for Part C. Enter AI-001 Form ID: AI-FDP, AI FULEVYPLANT6, AI COMBUSTION AI MAERS

SRN: B4243	Section Number (if applicable):

PART D: PERMIT TO INSTALL (PTI) EXEMPT EMISSION UNIT INFORMATION

Review all emission units at the source and answer the question below.

D1. Does the source have any emission units that do not appear in the existing ROP but are required to be listed in the ROP application under R 336.1212(4) (Rule 212(4)) of the Michigan Air Pollution Control Rules? If Yes, identify the emission units in the table below. ☐ Yes ☒ No

If No, go to Part E.

Note: Emission units that are subject to process specific emission limitations or standards, even if identified in Rule 212, must be captured in either Part G or H of this application form. Identical emission units may be grouped (e.g. PTI exempt Storage Tanks).

Emission Unit ID	**Emission Unit Description**	**Rule 212(4) Citation** [e.g. Rule 212(4)(c)]	**Rule 201 Exemption Rule Citation** [e.g. Rule 282(2)(b)(i)]

Comments:

☐ Check here if an AI-001 Form is attached to provide more information for Part D. Enter AI-001 Form ID: **AI-**

SRN: B4243	Section Number (if applicable):

PART E: EXISTING ROP INFORMATION

Review all emission units and applicable requirements (including any source wide requirements) in the existing ROP and answer the questions below as they pertain to **all** emission units and **all** applicable requirements in the existing ROP.

E1. Does the source propose to make any additions, changes or deletions to terms, conditions and underlying applicable requirements as they appear in the existing ROP? If Yes, identify changes and additions on Part F, Part G and/or Part H.	☒ Yes ☐ No
E2. For each emission unit(s) identified in the existing ROP, all stacks with applicable requirements are to be reported in MAERS. Are there any stacks with applicable requirements for emission unit(s) identified in the existing ROP that were not reported in the most recent MAERS reporting year? If Yes, identity the stack(s) that was/were not reported on applicable MAERS form(s).	☐ Yes ☒ No
E3. Have any emission units identified in the existing ROP been modified or reconstructed that required a PTI? If Yes, complete Part F with the appropriate information.	☒ Yes ☐ No
E4. Have any emission units identified in the existing ROP been dismantled? If Yes, identify the emission unit(s) and the dismantle date in the comment area below or on an AI-001 Form.	☐ Yes ☒ No

Comments:

Facility fugitive emissions are regulated under the source-wide conditions listed in B. of the ROP and include fugitive emissions from stockpiles, loading and unloading of material, and paved and unpaved roadways and areas. Requirements are also captured in the Fugitive Dust Control plan **(Consent Order SIP 18-1993 (Revised 9/9/94), .Exhibit A)** included in **AI FDP**.

Existing emission units EULEVYPLANT 6 and EUDEISTERSCREEN have or will be been modified. Changes to EULEVYPLANT6 and EUDEISTERSCREEN are included in AI EULEVYPLANT6 and AI EUDEISTERSCREEN. A summary of requested updates to the ROP are included in **AI SUMMARY.**

☒ Check here if an AI-001 Form is attached to provide more information for Part E. Enter AI-001 Form ID: AI-FDP, AI-SUMMARY, AI-LEVYPLANT6, and AI-DEISTERSCREEN

SRN: B4243	Section Number (if applicable):

PART F: PERMIT TO INSTALL (PTI) INFORMATION

Review all emission units and applicable requirements at the source and answer the following questions as they pertain to **all** emission units with PTIs. Any PTI(s) identified below must be attached to the application.

F1. Has the source obtained any PTIs where the applicable requirements from the PTI have not been incorporated into the existing ROP? If Yes, complete the following table. If No, go to Part G. ☒ Yes ☐ No

Permit to Install Number	Emission Units/Flexible Group ID(s)	Description (*Include Process Equipment, Control Devices and Monitoring Devices*)	Date Emission Unit was Installed/ Modified/ Reconstructed
5-19	EULEVYPLANT6	Processing equipment associated with Levy Plant 6, including a feeder, up to ten conveyors including the bridge conveyor, up to two screens, and a crusher. It does not include equipment associated with EUCONVEYORSYSTEM and EUDEISTERSCREEN.	March 12, 2019
45-20	EUDEISTERSCREEN	A 350 Ton Per Hour Deister Screen designed to separate slag and related materials into various finished product sizes. This emission unit includes nine conveyors and three knuckle conveyors. All but two conveyors are located downstream of the screen. Equipped with water spray system and adjustable stacker height mechanism for air pollution control.	May 29, 2020

F2. Do any of the PTIs listed above change, add, or delete terms/conditions to **established emission units** in the existing ROP? If Yes, identify the emission unit(s) or flexible group(s) affected in the comments area below or on an AI-001 Form and identify all changes, additions, and deletions in a mark-up of the existing ROP. ☒ Yes ☐ No

F3. Do any of the PTIs listed above identify **new emission units** that need to be incorporated into the ROP? If Yes, submit the PTIs as part of the ROP renewal application on an AI-001 Form, and include the new emission unit(s) or flexible group(s) in the mark-up of the existing ROP. ☐ Yes ☒ No

F4. Are there any stacks with applicable requirements for emission unit(s) identified in the PTIs listed above that were not reported in MAERS for the most recent emissions reporting year? If Yes, identity the stack(s) that were not reported on the applicable MAERS form(s). ☐ Yes ☒ No

F5. Are there any proposed administrative changes to any of the emission unit names, descriptions or control devices in the PTIs listed above for any emission units not already incorporated into the ROP? If Yes, describe the changes on an AI-001 Form. ☒ Yes ☐ No

Comments:
F2. Changes to EULEVYPLANT6 are identified in AI EULEVYPLANT6. Changes to EUDEISTERSCREEN are identified in AI EUDEISTERSCREEN. Also noted in AI-SUMMARY.
F5. EULEVYPLANT6 emits regulated fugitive emissions. Additional information is included in AI FDP.

Descriptive changes to EULEVYPLANT6 are identified in AI EULEVYPLANT6. Changes to EUDEISTERSCREEN are identified in AI EUDEISTERSCREEN.

☒ Check here if an AI-001 Form is attached to provide more information for Part F. Enter AI-001 Form ID**: AI-FDP, AI-SUMMARY, AI-EUDEISTERSCREEN, and AI-EULEVYPLANT6**

SRN: B4243	Section Number (if applicable):

PART G: EMISSION UNITS MEETING THE CRITERIA OF RULES 281(2)(h), 285(2)(r)(iv), 287(2)(c), OR 290

Review all emission units and applicable requirements at the source and answer the following questions.

G1. Does the source have any new and/or existing emission units which do not already appear in the existing ROP and which meet the criteria of Rules 281(2)(h), 285(2)(r)(iv), 287(2)(c), or 290.

If Yes, identify the emission units in the table below. If No, go to Part H. ☐ Yes ☒ No

Note: If several emission units were installed under the same rule above, provide a description of each and an installation/modification/reconstruction date for each.

Origin of Applicable Requirements	**Emission Unit Description – *Provide Emission Unit ID and a description of Process Equipment, Control Devices and Monitoring Devices***	**Date Emission Unit was Installed/ Modified/ Reconstructed**
☐ Rule 281(2)(h) or 285(2)(r)(iv) cleaning operation		
☐ Rule 287(2)(c) surface coating line		
☐ Rule 290 process with limited emissions		

Comments:

☐ Check here if an AI-001 Form is attached to provide more information for Part G. Enter AI-001 Form ID: **AI-**

SRN: B4243	Section Number (if applicable):

PART H: REQUIREMENTS FOR ADDITION OR CHANGE

Complete this part of the application form for all proposed additions, changes or deletions to the existing ROP. This includes state or federal regulations that the source is subject to and that must be incorporated into the ROP or other proposed changes to the existing ROP. **Do not include additions or changes that have already been identified in Parts F or G of this application form.** If additional space is needed copy and complete an additional Part H.

Complete a separate Part H for each emission unit with proposed additions and/or changes.

H1. Are there changes that need to be incorporated into the ROP that have not been identified in Parts F and G? If Yes, answer the questions below.	☒ Yes ☐ No
H2. Are there any proposed administrative changes to any of the existing emission unit names, descriptions or control devices in the ROP? If Yes, describe the changes in questions H8 – H16 below and in the affected Emission Unit Table(s) in the mark-up of the ROP.	☒ Yes ☐ No
H3. Does the source propose to add a new emission unit or flexible group to the ROP not previously identified in Parts F or G? If Yes, identify and describe the emission unit name, process description, control device(s), monitoring device(s) and applicable requirements in questions H8 – H16 below and in a new Emission Unit Table in the mark-up of the ROP. See instructions on how to incorporate a new emission unit/flexible group into the ROP. **See AI-COMBUSTION for addition of PTI exempt equipment.**	☒ Yes ☐ No
H4. Does the source propose to add new state or federal regulations to the existing ROP? If Yes, on an AI-001 Form, identify each emission unit/flexible group that the new regulation applies to and identify each state or federal regulation that should be added. Also, describe the new requirements in questions H8 – H16 below and add the specific requirements to existing emission units/flexible groups in the mark-up of the ROP, create a new Emission Unit/Flexible Group Table, or add an AQD template table for the specific state or federal requirement.	☒ Yes ☐ No
H5. Has a Consent Order/Consent Judgment (CO/CJ) been issued where the requirements were not incorporated into the existing ROP? If Yes, list the CO/CJ number(s) below and add or change the conditions and underlying applicable requirements in the appropriate Emission Unit/Flexible Group Tables in the mark-up of the ROP. **The Consent Order, Attachment A (FDP) is included in the current ROP. However, Levy is requesting updates to the FDP as indicated in AI-FDP.**	☒ Yes ☐ No
H6. Does the source propose to add, change and/or delete **source-wide** requirements? If Yes, identify the addition/change/deletion in a mark-up of the corresponding section of the ROP and provide a justification below. **See AI SUMMARY of the requested changes to the existing ROP and AI-FDP that includes the existing FDP and proposed FDP. The requested changes also reflect modification to description of Process controls in B Source Wide III.A.1., fugitive dust controls in B Source Wide III A.3, clarification for watering Stockpile areas and Activities in B. Source-Wide Conditions III.B.1., and updates to watering of Unpaved Roads both in C.2.a.**	☒ Yes ☐ No
H7. Are you proposing to **streamline** any requirements? If Yes, identify the streamlined and subsumed requirements and the EU ID, and provide a justification for streamlining the applicable requirement below.	☐ Yes ☒ No

SRN: B4243	Section Number (if applicable):

PART H: REQUIREMENTS FOR ADDITION OR CHANGE – (continued)

H8. Does the source propose to add, change and/or delete **emission limit** requirements? If Yes, identify the addition/change/deletion in a mark-up of the corresponding section of the ROP and provide a justification below.	☐ Yes ☒ No
H9. Does the source propose to add, change and/or delete **material limit** requirements? If Yes, identify the addition/change/deletion in a mark-up of the corresponding section of the ROP and provide a justification below.	☐ Yes ☒ No
H10. Does the source propose to add, change and/or delete **process/operational restriction** requirements? If Yes, identify the addition/change/deletion in a mark-up of the corresponding section of the ROP and provide a justification below. See **AI SUMMARY** of the requested changes to the existing ROP and the ROP mark-up.	☒ Yes ☐ No
H11. Does the source propose to add, change and/or delete **design/equipment parameter** requirements? If Yes, identify the addition/change/deletion in a mark-up of the corresponding section of the ROP and provide a justification below.	☐ Yes ☒ No
H12. Does the source propose to add, change and/or delete **testing/sampling** requirements? If Yes, identify the addition/change/deletion in a mark-up of the corresponding section of the ROP and provide a justification below.	☐ Yes ☒ No
H13. Does the source propose to add, change and/or delete **monitoring/recordkeeping** requirements? If Yes, identify the addition/change/deletion in a mark-up of the corresponding section of the ROP and provide a justification below.	☐ Yes ☒ No
H14. Does the source propose to add, change and/or delete **reporting** requirements? If Yes, identify the addition/change/deletion in a mark-up of the corresponding section of the ROP and provide a justification below.	☐ Yes ☒ No

SRN: B4243	Section Number (if applicable):

PART H: REQUIREMENTS FOR ADDITION OR CHANGE – (continued)

H15.	Does the source propose to add, change and/or delete **stack/vent restrictions**? If Yes, identify the addition/change/deletion in a mark-up of the corresponding section of the ROP and provide a justification below.	☐ Yes ☒ No
H16.	Does the source propose to add, change and/or delete any **other** requirements? If Yes, identify the addition/change/deletion in a mark-up of the corresponding section of the ROP and provide a justification below.	☐ Yes ☒ No
H17.	Does the source propose to add terms and conditions for an alternative operating scenario or intra-facility trading of emissions? If Yes, identify the proposed conditions in a mark-up of the corresponding section of the ROP and provide a justification below.	☐ Yes ☒ No

☒ Check here if an AI-001 Form is attached to provide more information for Part H. Enter AI-001 Form ID:
AI-SUMMARY, AI-FDP, AI-COMBUSTION

EGLE

RENEWABLE OPERATING PERMIT APPLICATION
AI-001: ADDITIONAL INFORMATION

This information is required by Article II, Chapter 1, part 55 (Air Pollution Control) of P.A. 451 of 1994, as amended, and the Federal Clean Air Act of 1990. Failure to obtain a permit required by Part 55 may result in penalties and/or imprisonment. Please type or print clearly. Refer to instructions for additional information to complete this form.

	SRN: B4243	Section Number (if applicable):

1. Additional Information ID
AI-SUMMARY

Additional Information

2. Is This Information Confidential? ☐ Yes ☒ No

Attached is a summary of the proposed changes that Levy is requesting in their current ROP, followed by a marked up copy of the ROP.

AI-Summary Plant 6 – 13800 Mellon, Detroit, Michigan (C.1, C.4, C.9)

Emission Unit ID	Emission Unit Description	Installation/ Modification Date	Flexible Group ID	C.1 Actual Emissions not submitted to MAERS	C.4 Added or Modified Equipment	C.9 Plan required to be Submitted
SOURCE-WIDE CONDITIONS	Update B. III. A. 1 Description of Process equipment.	1/1/1971	NA	NA	NA	Yes - see AI FDP
EULEVYPLANT6	Processing equipment associated with Levy Plant 6, including a feeder, up to ten conveyors and stackers including the bridge conveyor, up to two screens and a crusher. It does not include equipment associated with EUCONVEYORSYSTEM and EUDEISTERSCREEN.	1/1/1971 9/19/2006	NA	NA	Yes- See AI EULEVYPLANT 6	NA
EUEUCONVEYORSYSTEM	Five conveyors, located downstream of the Deister Screen (EUDEISTERSCREEN), designed to transfer slag and related materials to finished product stockpiles. Additional conveyors located downstream of the Deister Screen are not part of this emission unit.	5/9/1997 9/19/2006	NA	NA	NA	NA
EUDEISTERSCREEN	A 350 Ton Per Hour Deister Screen designed to separate slag and related materials into various finished product sizes. This emission unit includes nine conveyors and three knuckle conveyors. All but two conveyors are located downstream of the screen	4/17/1995	NA	NA	NA	NA

Emission Unit ID	Emission Unit Description	Installation/ Modification Date	Flexible Group ID	C.1 Actual Emissions not submitted to MAERS	C.4 Added or Modified Equipment	C.9 Plan required to be Submitted
EUBOFSLAGPIT	Basic Oxygen Furnace (BOF) slag pits equipped with water spray systems for air pollution control.	4/17/1995	NA	NA	NA	Yes – See AI FDP
EUCOLDCLEANERS	Cold cleaners that meet the applicable requirements of R336.1281(h)	After 7/1/1979	FGCOLDCLEANERS	NA	NA	NA
EUPROCESS#2	1-100 tons per hour hopper and 1-100 tons per hour conveyor used for recycling slag materials back into the screening portion of the existing slag processing plant.	5/11/2004	FGRULE290	NA	NA	NA
EUMATRANSCONVEY	1-200 tons per hour hopper and one conveyor (Pot Slagger)	1985	FGRULE290	NA	NA	NA
EUDROPBALLCRANE	This process consists of dropping a large steel ball from a crane onto scrap steel to break it into small pieces to be reused the adjacent steel mill.	4/17/1995	FGRULE290	NA	NA	NA
EURICECRUSHER	300 hp diesel-fired generator that provides support power to portable crusher. Exempt per Rule 285 (g) with RICE MACT applicability.	2019	FGRICEMACT	NA	Yes – See AI COMBUSTION	NA
EUFEEDERSTACKERGEN	100 hp portable diesel-fired engine that provides support power to facility processes. Exempt per Rule 285 (g) with RICE MACT applicability.	2019	FGRICEMACT	Yes- See AI MAERS	Yes – See AI COMBUSTION	NA

Emission Unit ID	Emission Unit Description	Installation/ Modification Date	Flexible Group ID	C.1 Actual Emissions not submitted to MAERS	C.4 Added or Modified Equipment	C.9 Plan required to be Submitted
EUFEEDERMAGSEPARATOR GEN	150 hp portable diesel-fired engine that provides support power to facility processes. Exempt per Rule 285 (g) with RICE MACT applicability.	2019	FGRICEMACT	Yes- See AI MAERS	Yes – See AI COMBUSTION	NA
EUSLAGCONVEYORGEN1	74 hp portable diesel-fired engine that provides support power to facility processes. Exempt per Rule 285 (g) with RICE MACT applicability.	2019	FGRICEMACT	Yes- See AI MAERS	Yes – See AI COMBUSTION	NA
EUSLAGCONVEYORGEN2	74 hp portable diesel-fired engine that provides support power to facility processes. Exempt per Rule 285 (g) with RICE MACT applicability.	2019	FGRICEMACT	Yes- See AI MAERS	Yes – See AI COMBUSTION	NA
EUSLAGSTACKERGEN	100 hp portable diesel-fired engine that provides support power to facility processes. Exempt per Rule 285 (g) with RICE MACT applicability.	2019	FGRICEMACT	Yes- See AI MAERS	Yes – See AI COMBUSTION	NA
EUSLAGSCREENGEN	111 hp portable diesel-fired engine that provides support power to facility processes. Exempt per Rule 285 (g) with RICE MACT applicability.	2019	FGRICEMACT	Yes- See AI MAERS	Yes – See AI COMBUSTION	NA
EULIGHTGENS	7 - 27 hp portable diesel-fired engines that provides support portable light towers. Exempt per Rule 285 (g) with RICE MACT applicability.	2019	FGRICEMACT	Yes- See AI MAERS	Yes – See AI COMBUSTION	NA

AI-Summary Plant 6 – 13800 Mellon, Detroit, Michigan (E.1, E.3, F.1, F.2, F.5)

Emission Unit ID	E.1 Additions, changes or deletions to terms, conditions, & underlying applicable requirements	E.3 Existing emission units modified or reconstructed that required a PTI	F.1 PTIs where the applicable requirements have not been incorporated into existing ROP	F.2 PTIs add, or delete terms/conditions to established emission units in the existing ROP	F.5 proposed administrative changes to any emission unit names, descriptions or control devices in the PTIs
SOURCE-WIDE CONDITIONS	Yes – see Part H	NA	NA	NA	NA
EULEVYPLANT6	NA	Yes – see AI EULEVYPLANT6	Yes – see EULEVYPLANT6 in marked up ROP for proposed changes	Yes – see EULEVYPLANT6 in marked up ROP for proposed changes	Yes – see EULEVYPLANT6 in marked up ROP for proposed changes
EUEUCONVEYORSYSTEM	NA	NA	NA	NA	NA
EUDEISTERSCREEN	NA	Yes – see AI EUDEISTERSCREEN	Yes – see EUDEISTERSCREEN in marked up ROP for proposed changes	Yes – see EUDEISTERSCREEN in marked up ROP for proposed changes	Yes – see EUDEISTERSCREEN in marked up ROP for proposed changes
EUBOFSLAGPIT	NA	NA	NA	NA	NA
EUCOLDCLEANERS	NA	NA	NA	NA	NA
EUPROCESS#2	NA	NA	NA	NA	NA
EUMATRANSCONVEY	NA	NA	NA	NA	NA
EUDROPBALLCRANE	NA	NA	NA	NA	NA

Emission Unit ID	E.1 Additions, changes or deletions to terms, conditions, & underlying applicable requirements	E.3 Existing emission units modified or reconstructed that required a PTI	F.1 PTIs where the applicable requirements have not been incorporated into existing ROP	F.2 PTIs add, or delete terms/conditions to established emission units in the existing ROP	F.5 proposed administrative changes to any emission unit names, descriptions or control devices in the PTIs
EURICECRUSHER	NA	NA	NA	NA	NA
EUFEEDERSTACKERGEN	NA	NA	NA	NA	NA
EUFEEDERMAGSEPARATORGEN	NA	NA	NA	NA	NA
EUSLAGCONVEYORGEN1	NA	NA	NA	NA	NA
EUSLAGCONVEYORGEN2	NA	NA	NA	NA	NA
EUSLAGSTACKERGEN	NA	NA	NA	NA	NA
EUSLAGSCREENGEN	NA	NA	NA	NA	NA
EULIGHTGENS	NA	NA	NA	NA	NA

AI-Summary Plant 6 – 13800 Mellon, Detroit, Michigan (H.1, H.2, H.3, H.4)

Emission Unit ID	H.1 Changes to Incorporate not included in Sections F or G	H.2 Administrative Changes to EU Names, descriptions, or control devices	H.3 New Emission Unit of Flex Group not included in Section F or G	H.4 Add Federal Regulations to ROP
SOURCE-WIDE CONDITIONS	Yes- See AI FDP for proposed updates to the Consent Order FDP	Update B. III. A. 1 description to match nomenclature of equipment in process.	NA	NA
EULEVYPLANT6	Yes – See AI FDP and marked up ROP	NA	NA	NA
EUEUCONVEYORSYSTEM	NA	NA	NA	NA
EUDEISTERSCREEN	NA	NA	NA	NA
EUBOFSLAGPIT	NA	NA	NA	NA
EUCOLDCLEANERS	NA	NA	NA	`NA
EUPROCESS#2	NA	NA	NA	NA
EUMATRANSCONVEY	NA	NA	NA	NA
EUDROPBALLCRANE	NA	NA	NA	NA

Emission Unit ID	H.1 Changes to Incorporate not included in Sections F or G	H.2 Administrative Changes to EU Names, descriptions, or control devices	H.3 New Emission Unit of Flex Group not included in Section F or G	H.4 Add Federal Regulations to ROP
EURICECRUSHER	Yes – See AI COMBUSTION	NA	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT
EUFEEDERSTACKERGEN	Yes – See AI COMBUSTION	NA	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT
EUFEEDERMAGSEPARATORGEN	Yes – See AI COMBUSTION	NA	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT
EUSLAGCONVEYORGEN1	Yes – See AI COMBUSTION	NA	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT
EUSLAGCONVEYORGEN2	Yes – See AI COMBUSTION	NA	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT
EUSLAGSTACKERGEN	Yes – See AI COMBUSTION	NA	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT
EUSLAGSCREENGEN	Yes – See AI COMBUSTION	NA	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT

Emission Unit ID	H.1 Changes to Incorporate not included in Sections F or G	H.2 Administrative Changes to EU Names, descriptions, or control devices	H.3 New Emission Unit of Flex Group not included in Section F or G	H.4 Add Federal Regulations to ROP
EULIGHTGENS	Yes – See AI COMBUSTION	NA	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT	Yes- See AI COMBUSTION for addition of a RICE unit and FGRICEMACT

AI-Summary Plant 6 – 13800 Mellon, Detroit, Michigan (H.5, H.6, H.10)

Emission Unit ID	H.5 Consent Order where requirements not included in the ROP	H.6 Add, change, and/or delete source-wide requirements	H.10 Add, Change, or delete process or operational requirements
SOURCE-WIDE CONDITIONS	Yes – See AI FDP	Update B.III. A.3, C.1 & C.2a to reflect requested changes to chemical suppressant type and application frequency.	Update B.III. A.3, C.1 & C.2a to reflect requested changes to chemical suppressant type and application frequency.
EULEVYPLANT6	NA	NA	NA
EUEUCONVEYORSYSTEM	NA	NA	NA
EUDEISTERSCREEN	NA	NA	NA
EUBOFSLAGPIT	NA	NA	NA
EUCOLDCLEANERS	`NA	NA	NA

Emission Unit ID	H.5 Consent Order where requirements not included in the ROP	H.6 Add, change, and/or delete source-wide requirements	H.10 Add, Change, or delete process or operational requirements
EUPROCESS#2	NA	NA	NA
EUMATRANSCONVEY	NA	NA	NA
EUDROPBALLCRANE	NA	NA	NA
EURICECRUSHER	NA	NA	NA
EUFEEDERSTACKERGEN	NA	NA	NA
EUFEEDERMAGSEPARATOR GEN	NA	NA	NA
EUSLAGCONVEYORGEN1	NA	NA	NA
EUSLAGCONVEYORGEN2	NA	NA	NA
EUSLAGSTACKERGEN	NA	NA	NA
EUSLAGSCREENGEN	NA	NA	NA
EULIGHTGENS	NA	NA	NA

EGLE

RENEWABLE OPERATING PERMIT APPLICATION
AI-001: ADDITIONAL INFORMATION

This information is required by Article II, Chapter 1, part 55 (Air Pollution Control) of P.A. 451 of 1994, as amended, and the Federal Clean Air Act of 1990. Failure to obtain a permit required by Part 55 may result in penalties and/or imprisonment. Please type or print clearly. Refer to instructions for additional information to complete this form.

	SRN: B4243	Section Number (if applicable):

1. Additional Information ID
AI-FDP

Additional Information

2. Is This Information Confidential? ☐ Yes ☒ No

3. Narrative

Attached here is the facility's Fugitive Dust Control Plan (FDP), Consent Order SIP 18-1993 (Revised 9/9/94), Exhibit A and the proposed, updated FDP submitted to EGLE for review and approval.

July 9, 2020

Ms. Katie Koster
EGLE Detroit - AQD
Detroit Field Office, Cadillac Place
3058 W. Grand Blvd., Suite 2-300
Detroit, MI 48202-6058

Subject: Edw. C. Levy Co. Plant 6
Consent Order SIP 18-1993 (Revised 1994), Exhibit A
Fugitive Dust Control Plan Update Request
SRN4243
MI-ROP-B4243-2016

Dear Ms. Koster:

The Edw. C. Levy Co. (Levy) operates a slag processing plant (Plant 6) located at 13800 Mellon Ave., Detroit, MI 48217. The facility operates under both an ROP (MI-ROP-B4243-2016) and a Fugitive Dust Plan (Consent Order SIP 18-1993 (Revised 1994), Exhibit A — Fugitive Dust Control Plan) for the minimization of criteria pollutant emissions. The Fugitive Dust Control Plan (FDP) is referenced in the ROP under Section B. SOURCE-WIDE CONDITIONS.

While in general the same, both the operations at Plant 6 and the fugitive dust controls have been updated over the past twenty years. As permitted in Section B.IX of the ROP and Section 13.B of the Consent Order 18-1993 (Consent Order), Levy requests approval from EGLE to update the FDP.

As discussed in the Consent Order and referenced in ROP B4243, Levy may revise the FDP provided that the following conditions are met:

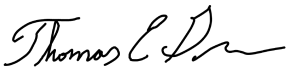
- The provisions of the Control Programs continue to apply to the subject operation or process.
- Levy demonstrates in writing, that the proposed revision does not result in an increase in the level of fugitive dust or particulate emissions and submits the demonstration to the EGLE for approval.

Per the Consent Order, EGLE shall approve or disapprove the proposed change, in writing, within 45 days from receiving proposed changes. If EGLE disapproves the proposed change, the disapproval must describe the specific reasons for the decision and must be forwarded to Levy. Upon approval of a change, EGLE shall notify U.S.EPA, in writing, of the revised provisions which are enforceable for the facility.

Enclosed please find (1) the proposed, updated FDP, (2) the existing Consent Order including the Exhibit A — Fugitive Dust Control Plan, and (3) the demonstration that the updated FDP will provide consistent control of particulates and not contribute to an increase in the level of fugitive dust or particulate matter emissions. The updated FDP also includes the Addendum for recordkeeping and updated figures consistent with the current FDP. The updated FDP would replace Exhibit A, the Addendum for recordkeeping, and the figures in Consent Order SIP 18-1993 (Revised 1994), Exhibit A.

If you have any questions regarding this submittal or need additional information, please contact me at 313-690-0139 or tgreen@edwclevy.net or Matt Perko, Environmental Engineer, at 313-820-4057 or mperko@edwclevy.net.

Sincerely,



Tom Green

Edw. C. Levy Co.
Director, EHS
Mobile: 313-690-0139
tgreen@edwclevy.net

EXHIBIT A
FUGITIVE DUST CONTROL PLAN
EDW. C. LEVY CO. – PLANT #6

July 2020

1. **Facility Name and Address**
   Edw. C. Levy Co.
   Plant #6
   13800 Mellon
   Detroit, Michigan 48127

2. **Name and Address of Responsible Person**
   <RESPONSIBLE OFFICIAL>
   Edw. C. Levy Co.
   8800 Dix Avenue
   Detroit, Michigan 48209

3. **Facility Process Summary and Controls**

   A. Source Process Description

   Edw. C. Levy Co. (Levy) operates a slag processing facility located at 13800 Mellon, Detroit, Michigan, known as Plant #6. The Plant #6 operation processes the steel furnace slag and other iron and steel making co-products generated by the collocated steel mill's Basic Oxygen Furnace (BOF).

   Plant #6 operations consist of the BOF slag pits, slag processing operations (known as Levy Plant #6) located on the steel mill property adjacent to the Rouge River, and additional processing operations on the opposite side of the Rouge River (known as the Detroit Side) on Levy property. The operations on opposite sides of the Rouge River are connected by a bridge conveyor system. Key operations on the Detroit Side include the Deister Screen and Conveyor System. The attached Figures illustrate the general layout of Levy Plant #6.

   Levy Plant #6 - Pot carriers transport molten steel furnace slag from the steel mill to the BOF slag dump station at Levy Plant #6. At the dump station, the molten slag is dumped, and then quenched by water sprays. The quenched slag is removed from the pits by front end loaders and stockpiled prior to processing. This stockpiled slag is the primary raw feed for the slag processing plant. Caster and runway slags are brought to Levy Plant #6 in haul trucks or on pallet box carriers. These slags are watered in the trucks or pallet boxes prior to dumping at the BOF slag pits. Front end loaders transfer slag from the raw feed stockpile to the plant feeder, the first processing step of the slag plant. The slag plant operates at a maximum rate of 400 tph.

   Skulls, the steel/slag crust that forms inside a slag pot, are removed from the slag pots at the slag pot knock station. The slag pot knock station is equipped with a partial enclosure that was designed to control particulate emissions. After cooling, the skulls are transferred to the drop

ball crane area to separate the large pieces of steel from the slag. The steel is recycled by the steel mill and the slag is further processed.

Processing equipment associated with the slag plant includes a feeder, up to two screens, a crusher, and up to ten conveyors and stackers. The processing plant extracts the metals from the slag, which are returned to the steel mill for reuse. The slag is crushed and screened to produce different sizes of finished product. The slag plant also includes a bridge conveyor that transports the material to the Detroit side for additional processing at the Deister Screen and Conveyor System processes. Raw or processed slag products may also be directly loaded into trucks from the steel mill side of the operation for off-site transport instead of being sent across the bridge conveyor to the Detroit side.

Deister Screen and Conveyor System Processes - Non-metallic slag is screened to produce various finished construction products. Finished products are loaded by front end loaders and transported by customer-owned or operated trucks. Processing equipment associated with the Deister Screen operation includes thirteen conveyors/knuckle conveyors, and the screen. Processing equipment associated with the Conveyor System includes five additional conveyors.

B. Fugitive Dust Control Measures

Fugitive dust control measures are implemented to minimize emissions from both primary process activities and supporting activities. Control measures include the following:

I. Levy Plant #6, Deister Screen, and Conveyor System Processes:

Fugitive emissions are minimized during processing of steel furnace slag by the following control measures:

- Raw slag is watered in the slag pits prior to excavation and delivery to the slag plant for screening and crushing activities.
- A partial enclosure is maintained at the pot knocking station to reduce fugitive emissions.
- Water sprays are located at the slag raw feed stockpile, and prior to all screens and crushers on the slag plant. These water sprays are used as necessary to minimize fugitive emissions.
- Conveyors are equipped to minimize fugitive emissions by using methods such as conveyor covers, water sprays, side shields, etc., as necessary.
- Water sprays are installed on finished product stackers for use as needed to minimize fugitive emissions.
- Opacity observations are completed every two weeks on the slag plant dumping or digging, pot knocking, slag plant components (within EUSLAGPLANT), Deister Screen, Conveyor System, and on slag truck loading to confirm visible emissions are below opacity limitations.

II. Material Stockpiling and Transport:

Materials are stockpiled at various stages of processing and as finished products. Fugitive emissions are minimized for materials during stockpiling, storage, loading and transport by performing the following:

- Material spilled beneath conveyors is managed on an ongoing basis.
- All trucks transporting finished products that have the potential to emit fugitive emissions are tarped before leaving the property.
- Drop heights of the front-end loader bucket are no more than two feet above the sideboard of the trucks.
- Additional water is added to the finished product stockpiles, if emissions from load-out exceed 5% opacity.

III. Roadway and Vehicle Movement Areas:

The attached Figures show the unpaved and paved road areas that are maintained as detailed below.

Paved:

- Paved roads are inspected and cleaned as necessary during operating hours, weather permitting with a power flush truck or wet/vacuum truck.
- Track out on paved roads is cleaned daily as it occurs.
- The paved road speed limit is limited to 15 miles per hour.

Unpaved:

- Fugitive emissions on unpaved areas are controlled by applying a solution of chemical suppressant (lignosulfonate, calcium chloride, or equivalent), or water, monthly. Chemical suppressant will be applied during the months of March through October.
- A water truck is used, as necessary and weather permitting, between water, chemical suppressant, or equivalent treatments.
- The unpaved road speed limit is restricted to 5 miles per hour.
- Fugitive emissions generated by vehicle traffic in unpaved areas around the stockpiles are controlled by applying a solution of chemical suppressant, water, or equivalent, monthly. Chemical suppressant will be applied during the months of March through October.

General:

- Material spilled on roadways is removed daily.
- Truck operators are notified promptly if they spill material on a roadway to prevent future incidences.

4. EGLE Required Recordkeeping Requirements - Fugitive Dust Sources

A. Unpaved Roads/Lots
- Date of Treatment
- Control Measure Used
- Name of Employee
- Name of product Applied
- Amount of Solution/Water Applied
- Dilution Ratio (if applicable)
- Road Segment/Lot Identification

B. Paved Roads/Lots
- Date of Treatment
- Control Measure Used
- Name of Employee
- Road Segment/Lot Identification

C. Storage Piles/ Material Handling
- Date of Treatment
- Control Measure Used
- Name of Employee
- Dilution Ratio (if applicable)
- Amount of Dust Suppressant/Water Applied
- Identification of Pile/Material Handling Operation Treated
- Equipment Used

-- *UNPAVED ROADS*

LEVY PLANT 6
FUGITIVE DUST PLAN – 2020 UPDATE

BLAST FURNACE ROADWAYS
AREA 1 OF 4

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1

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N

PAVED ROADS

-- UNPAVED ROADS

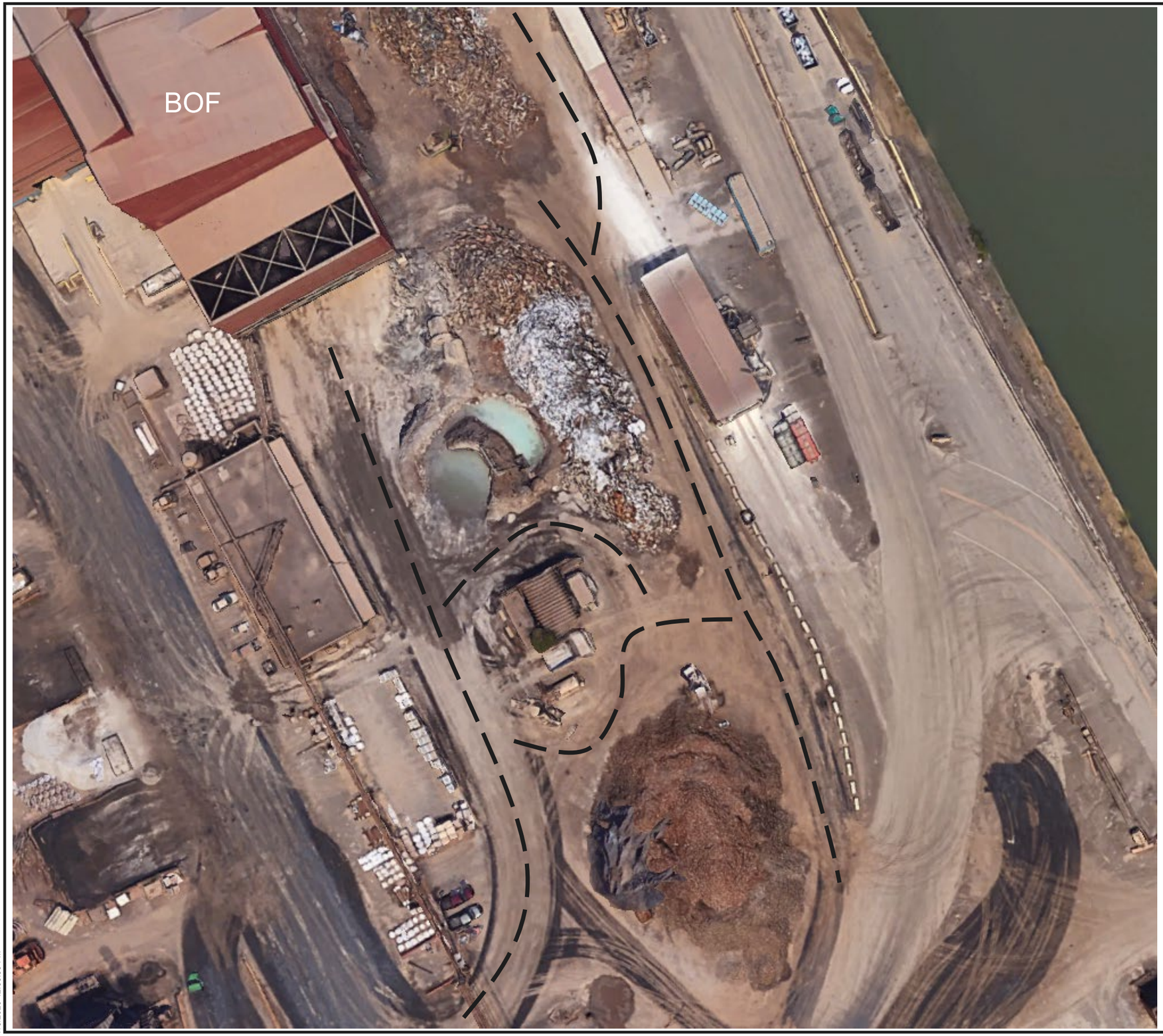
LEVY PLANT 6
FUGITIVE DUST PLAN – 2020 UPDATE

DETROIT SIDE ROADWAYS
AREA 2 OF 4

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

7/9/2020 12:33:52 PM



-- UNPAVED ROADS

LEVY PLANT 6
FUGITIVE DUST PLAN – 2020 UPDATE

BASIC OXYGEN FURNACE (BOF)
ROADWAYS
SOUTH END OF BOF AREA 3 OF 4

ARCADIS Design & Consultancy for natural and built assets

FIGURE
3

7/9/2020 12:33:53 PM

-- *UNPAVED ROADS*

LEVY PLANT 6
FUGITIVE DUST PLAN – 2020 UPDATE

AK STEEL SIDE ROADWAYS
STEEL MILL SIDE AREA 4 OF 4

ARCADIS Design & Consultancy for natural and built assets

FIGURE
4

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Levy Plant 6 - Demonstration of Fugitive Dust and Particulate Emission Equivalent Controls

This demonstration shows that the updated Fugitive Dust Control Plan (FDP) for Levy Plant 6 will not result in an increase in fugitive dust or particulate emissions from the existing FDP that is included in the facility's Consent Order SIP 18-1993 (Revised 1994), Exhibit A. The updated FDP includes controls that are in general the same and are as protective of the environment as the controls detailed in the existing FDP. The differences are mostly in organization of the information and in some cases allowing flexibility in application of controls. The assumptions for calculating potential and actual emissions are consistent. The proposed changes will not increase production or change equipment or material handling processes. Levy will continue to keep records of fugitive dust controls implemented. Each section of the existing FDP is shown below with the relevant information from the proposed FDP.

Summary of Facility Processes

In general, the processes operated at Levy Plant 6 and described in the FDP are consistent between the existing FDP and the updated version. The facility operates the following basic processes: the BOF slag pits, slag processing operations (known as Levy Plant #6) located on steel mill property adjacent to the Rouge River, and additional slag processing operations on the opposite side of the Rouge River (known as the Detroit Side) on Levy property. The operations on opposite sides of the Rouge River are connected by a bridge conveyor system. Key operations on the Detroit Side include the Deister Screen and Conveyor System. The updated FDP describes the processes with more detail and consistent with the renewable operating permit (ROP B4243).

It should be noted that the existing FDP provides an incomplete list of specific points in the plants with a numbering system that is not consistent with current operations. Conveyors, stackers and other points within the processes are not numbered or identified in this way. In addition, the Controls on Equipment List (Section 3.A. of existing FDP) is not useful because the identified points within the list are almost all points without control. The Controls on Equipment list in the existing FDP does not provide value and Levy requests it be removed.

The control points in the Controls on Equipment list that do identify dust controls have been specifically correlated in the updated FDP to show that these controls are still in place and what part of the process is being controlled. These references are included in the material processing section.

Materials Processing

Following the process description, the existing FDP provides general controls or actions utilized during material processing. Levy will continue to perform these actions which include:

- Watering and quenching materials as required prior to processing – included in section B.I of Updated FDP
- A partial enclosure is maintained at the pot knocking station – included in section B.I of updated FDP.

- Water sprays are located at the slag raw feed stockpile, and prior to all screens and crushers on the slag plant – included in section B.I of updated FDP.
- Conveyors are equipped with conveyor covers, water sprays, side shields, etc., as necessary - included in section B.I of updated FDP.
- Water sprays are installed on finished product stackers for use as needed – included in section B.I of updated FDP.
- Tarping trucks transporting finished product – included in section B.II of updated FDP
- Limiting drop heights to two feet above sideboard of the trucks – included in section B.II of updated FDP
- Washing wheels (weather permitting) of trucks transporting finished product or waste materials – included in section B.II of updated FDP
- Watering finished product stockpiles, if emissions from load-out exceed 5% opacity – included in section B.II of updated FDP

Stockpile Areas and Activities
The existing FDP provides general controls or actions utilized for control of stockpiling of raw materials and finished products. Levy will continue to perform these actions which include:

- Quenching and watering of raw materials as required prior to processing –- included in section B.I of updated FDP
- Watering of slag products – included in section B.II of updated FDP
- Load out of finished products – included in section B.II of updated FDP.

Watering and the use of chemical wetting agents are the principal means for control of aggregate storage pile emissions. The quantity of dust emissions from aggregate storage operations varies with the volume of aggregate passing through the storage cycle. Emissions also depend on the age of the pile, moisture content, and proportion of aggregate fines. As the material piles at Plant 6 have not changed in material throughput, moisture content nor percent of fines, no emission increases will occur due to the proposed changes to the FDP.

Paved and Unpaved Roads
The existing FDP provides general controls or actions utilized for control on paved roads. Levy will continue to perform these actions as included in section B. III of updated FDP. In general, the quantity of particulate emissions from resuspension of loose material on the road surface is based on the vehicle miles traveled, precipitation or watering of the roads, the road surface silt loading, average weight (tons) of the vehicles traveling the road, and vehicle speed (unpaved). Controls for paved roads include vacuum sweeping, water flushing, and broom sweeping and flushing. In order to limit emissions from unpaved roads, Levy will continue to limit the speed, weight and number of vehicles and to continue surface treatment, such as watering or chemical dust suppressants (lignosulfonate, calcium chloride, or equivalent). Levy proposes to add calcium chloride as a possible chemical suppressant as it is widely available and known in the industry to be highly effective for this purpose. Levy also proposes to apply chemical suppressant on a monthly basis during the months of March through October.

The proposed changes to the FDP will not impact the vehicle miles traveled or the weight of the vehicles. The road surface silt loading and the annual precipitation will remain the same. Levy proposes to continue to inspect and clean paved roads and limit the vehicle speed to 15 miles per hour. Levy proposes to continue to treat unpaved roads and limit the vehicle speed to 5 miles per hour.

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF THE DIRECTOR

In the matter of administrative proceedings involving the **EDWARD C. LEVY CO., PLANT #6**, a corporation organized under the laws of the State of Michigan and doing business at 13800 Mellon in the City of Detroit, County of Wayne, State of Michigan.	SIP No. 18-1993 Revised: 9/9/94

STIPULATION FOR ENTRY OF FINAL ORDER
BY
CONSENT

This proceeding results from provisions of the Federal Clean Air Act ("CAA"), 42 U.S.C. Section 7401 et seq., as amended by the Clean Air Act Amendments of 1990, P.L. No. 101-549, 104 Stat. 2399 (Nov. 15, 1990), that designate a portion of Wayne County as non-attainment for PM-10 (particulate matter less than 10 micrometers) and require a State Implementation Plan ("SIP"), based on legally enforceable control measures, that provides for a demonstration of attainment and maintenance of the primary National Ambient Air Quality Standard ("NAAQS") for PM-10 in Wayne County. Further, pursuant to Section 15 of the Michigan Air Pollution Act, 1965 PA 348, as amended ("Act 348"), companies in the standard industrial classifications listed in 15(1), and which are located in areas listed in Table 36 of R 336.1371 of the Michigan administrative code, are required to develop and implement an approved fugitive dust control operating program and to have the program embodied in a legally enforceable order or as part of an approved permit to install or operate.

The Edward C. Levy Co. ("Company") owns and operates Levy Plant #6 ("Plant"), which is a slag processing facility, located at 13800 Mellon, City of Detroit, County of Wayne, State of Michigan. The Michigan Department of Natural Resources ("MDNR") alleges that the Plant is a significant source of fugitive dust emissions which contribute to the non-attainment problem. Further, the requirements for the control of fugitive dust, set forth in Section 15 of Act 348, apply to the Plant.

The Company and the MDNR stipulate as follows:

1. The Air Pollution Act, 1965 PA 348, as amended, ("Act 348"), MCL 336.11 et seq; MSA 14.58(1) et seq is an act to control air pollution in this state.

2. The Director of the MDNR ("Director") is authorized pursuant to Section 5 of Act 348 to administer and enforce all provisions of Act 348.

3. The Director has delegated authority to the Air Quality Division ("AQD Chief") to enter into the Consent Order.

4. The resolution of this matter by a Consent Order pursuant to Section 16c of Act 348 is proper and acceptable.

5. This Consent Order becomes effective on the date of execution ("effective date of this Consent Order") by the AQD Chief.

6. The emissions of fugitive dust from the Plant are subject to the opacity limitations and prohibitions contained in Sections 15 and 15a of Act 348. The particulate matter and fugitive dust emissions from the Plant must not cause or contribute to a violation of the PM-10 NAAQS. Further, the CAA and Act 348 require the application of all reasonably available control measures ("RACM") for the control of PM-10 emissions.

7. This Consent Order is designed to ensure attainment and maintenance of the PM-10 NAAQS, compliance with Sections 15 and 15a of Act 348, and compliance with the RACM requirements of the CAA and Act 348.

COMPLIANCE PROGRAM

8. On and after the effective date of this Consent Order, the Company shall fully comply with the provisions and requirements of the fugitive dust control operating program and Recordkeeping for Fugitive Dust Sources Addendum, which is attached as Exhibit A, incorporated by reference, and made an enforceable part of this Consent Order.

RECORDKEEPING AND REPORTING

9. On and after the effective date of this Consent Order, the Company shall keep records as specified in Exhibit A.

10. On and after the effective date of this Consent Order, the records required pursuant to this Consent Order shall be kept on file at the Company for a period of at least two (2) years, and shall be made available to MDNR upon written or verbal request.

11. Beginning with the calendar quarter starting after the effective date of this Consent Order, and quarterly thereafter, the Company shall submit to MDNR a report identifying each day in which any emission limit, operational requirement, or recordkeeping requirement, as specified in Exhibit A, was not met. This report shall, for each instance, explain the reason that the emission limit, operational requirement, or recordkeeping requirement was not met, the duration of the event, the remedial action taken, and a description of the steps which were taken to prevent a recurrence. The reports shall be submitted within

30 days following the end of the calendar quarter in which the data were collected.

GENERAL PROVISIONS

12. Upon entry, this Consent Order, along with other supporting documentation required by the United States Environmental Protection Agency ("U.S.EPA"), shall be submitted to the U.S.EPA for approval as a revision to the Michigan SIP in accordance with Part D, Section 171 et seq., of the Federal Clean Air Act, as amended by Section 105 of the Clean Air Act Amendments of 1990. This Consent Order shall become effective immediately upon entry, except that this Consent Order shall have no effect on the federally-approved SIP unless and until the submitted SIP revision request is formally approved by the U.S.EPA.

13. Upon entry of this Consent Order, the Company may change it's processes, modify the fugitive dust control program contained in Exhibit A, or modify the particulate emission control program contained in Exhibit B ("Control Programs"), in accordance with the following:

A. Process Change

(1) The Company may change it's operations or processes which are sources of particulate and fugitive dust provided all of the following conditions are met:

(a) The provisions of the Control Programs continue to apply to the subject operation or process;

(b) The change does not result in an increase in the level of fugitive dust or particulate emissions;

(c) The change is approved.

(2) The Company shall submit to MDNR a written description of the proposed change and how it meets the requirements of 13(A)(1).

(3) The MDNR shall approve or disapprove the proposed change, in writing, within 45 days from receiving a proposed change which meets the requirements of 13(A)(1).

(4) Should the MDNR disapprove the proposed change, the disapproval must describe the specific reasons for the decision and must be forwarded to the Company.

B. Control Program Revision

(1) The Company may revise the Control Programs provided both of the following conditions are met:

(a) The Company demonstrates*, in writing, that the proposed revision does not result in an increase in the level of fugitive dust or particulate emissions and submits the demonstration to the MDNR for approval.

(b) The revision is approved.

(2) The MDNR shall approve or disapprove the proposed revision, in writing, within 45 days from receiving a proposed revision using an applicable U.S.EPA approved method to demonstrate the proposed revision meets the requirements of 13(B)(1).

(3) Should the MDNR disapprove the proposed revision, the disapproval must describe the specific reasons for the decision and must be forwarded to the Company.

C. U.S.EPA Notification

Upon approval of a change pursuant to subsection A above, or a substitution of a control measure pursuant to subsection B above, MDNR shall notify U.S.EPA, in writing, of the revised provisions which are enforceable for the facility.

D. Minor Modification

Upon adoption by the MDNR, and upon approval by U.S.EPA, of operating permit rules to implement the Permit Modification provisions recited at 40 CFR 70.7 (e), the Company may modify a fugitive dust or particulate emission source referred to in this Consent Order according to the terms and conditions contained in the operating permit rules.

E. Minor Modification Approval

Upon MDNR approval of a minor modification pursuant to subsection D above, the MDNR shall submit the approved minor modification to U.S.EPA as a proposed revision to the Michigan SIP.

F. Other Applicable Requirements

Any process change, control program revision, or minor modification made pursuant to this Paragraph does not affect the company's obligation to obtain a permit to install or operate required by Federal law or regulation, or contained in Part 2 of the Air Pollution Control ("APC") Rules and any other applicable requirement contained in the APC Rules or Act 348.

* - Demonstrations made pursuant to 13(B)(1)(a) involving chemical dust suppressant applications on unpaved roads shall be made using only petroleum resins, asphalt emulsions, or acrylic cements unless otherwise explicitly provided for by the applicable U.S.EPA approved SIP or U.S.EPA approved method.

14. This abatement program is not a variance subject to the 12 month limitation specified in Section 22 of the Air Pollution Act, being MCLA 336.32.

15. The provisions of this Consent Order shall be binding on the parties to this action, their officers, servants, employees, and attorneys, and on those persons in active concert or participation with them who receive actual notice of this Consent Order. In the event the Edward C. Levy Co. sells or transfers Plant #6, it shall advise any purchaser or transferee of the existence of this Consent Order in connection with such sale or transfer. Within 30 calendar days, the Edward C. Levy Co. shall also notify MDNR Staff, in writing of such sale or transfer, the identity and address of any purchaser or transferee, and confirm the fact that notice of this Consent Order has been given to the purchaser or transferee. The purchaser must provide written agreement, to the Company, to assume the compliance responsibilities of the Consent Order and provide a copy of the agreement to the MDNR Staff.

16. Pursuant to the requirements of Section 5h of Act 348, the public was notified of a 30-day public comment period on this Consent Order which began on March 1, 1993 and a public hearing on this Consent Order which was held on March 30, 1993.

17. Section 16e of Act 348 may serve as a source of authority but not a limitation under which this Consent Order may be enforced. Further, the Michigan

Environmental Protection Act ("MEPA"), 1970 PA 127, MCLA 691.1201 et seq; MSA 14.528(201) et seq; and all other applicable laws may be used to enforce this Consent Order.

I, the undersigned, who is signing this Stipulation and Order for the Company, certify that I am fully authorized by the Company to enter into this Consent Order and to execute and legally bind the Company to it.

Approved as to Form and Content:

EDW. C. LEVY CO. PLANT 6

EDWARD C. LEVY CO., PLANT #6

By: _____

Dated: 9-28-94

The above signatory subscribed and sworn to before me this 28th day of September, 1994.

Nancy Ann Hughes

Notary Public

NANCY ANN HUGHES
NOTARY PUBLIC STATE OF MICHIGAN
WAYNE COUNTY
MY COMMISSION EXP. SEPT 3,1996

Approved as to Content:

Dennis M. Drake

Dennis M. Drake, Acting Chief
AIR QUALITY DIVISION
DEPARTMENT OF NATURAL RESOURCES

Dated: 10/12/94

Approved as to Form:

James L Stropkai for

A. Michael Leffler
Assistant Attorney General, In Charge
DEPARTMENT OF ATTORNEY GENERAL
NATURAL RESOURCES DIVISION

Dated: 10/11/94

FINAL ORDER

The Chief of the Air Quality Division having had opportunity to review the Consent Order and having been delegated authority to enter into Consent Orders by the Director of the Michigan Department of Natural Resources pursuant to the provisions of the Air Pollution Control Act;

IT IS ORDERED that this Consent Order is approved and shall be entered in the record of the MDNR as a Final Order.

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

By: Dennis M. Drake
Dennis M. Drake, Acting Chief
Air Quality Division

Dated: 10/13/94

EXHIBIT A
FUGITIVE DUST CONTROL PLAN
EDWARD C. LEVY CO. - PLANT #6

1. Facility Name and Address:

Edward C. Levy Co.
Plant #6
13800 Mellon
Detroit, Michigan 48127

2. Name and Address of Responsible Person:

Gail Reninger
Edward C. Levy Co.
8800 Dix Avenue
Detroit, Michigan 48209

3. Summary of Source Descriptions and Control Measures:

A. Process Description

The Edward C. Levy Co. (Levy) operates a slag processing facility located at 13800 Mellon, Detroit, MI, known as Plant 6. The facility operates at a maximum 400 tph. Pot carriers transport molten slag from three separate locations; from the Rouge Steel caster operations, the BOF, and the electric arc furnace. The pots are all dumped at the same pot dump station. The slag is cooled by water sprays before digging. Front endloaders dig the slag and stockpile it at the material handling stockpile, adjacent to the process plant, where additional water is added. Front endloaders are used to transfer the material from the material handling stockpile to the grizzly that feeds the process plant.

Skulls are moved from the pot dump area to the skull breaking area to be broken by a drop ball crane into small enough pieces to be reused by the steel mill.

The process plant extracts the metals from the slag and the metals are returned to the steel mill for reuse. The slag is crushed and screened to produce three sizes of finished product.

Product Name	Moisture Content %	Passing 200 Mesh %
1/2" Down	6.3	14.50
3X	1-3.5	0.20
25X	2.5	1.30

The plant consists of a grizzly/feeder, 8 conveyors, 1 crusher, 3 screens, and 3 stackers. Water sprays are located at the crusher/screen tower north of the Rouge River, at the first transfer point south of the river, and on the 1/2" Down stacker.

Moisture content of raw feed material ranges from 2 to 5 percent. Moisture content of slag aggregate ranges from 1 to 6.3 percent. Fugitive emission control is necessary only on the 1/2" Down material where the particle size

passing a 200 mesh sieve is greater than 1.5%. Control of the material is accomplished by water sprays at the end of stacker #1.

Controls on Process Equipment

Grizzly/Feeder	Material Watered Before Feeding
Conveyor #1	Uncovered, Material Still Wet
Crusher/Screen Tower	Water Sprays
Conveyor #9	Uncovered
Conveyor #10	Uncovered
Conveyor #2	Uncovered
Conveyor #3	Uncovered
Bridge Conveyor (BC)	Side Shields
Conveyor #4	Water Spray, 180 Degree Covers
Conveyor #5	Uncovered
Stacker #1	Covered, Water Spray, Scope
Stacker #2	Covered
Stacker #3	Uncovered

The finished product is loaded by front endloaders and transported by customer owned and hired trucks. To minimize the fugitive emissions from the loading of trucks and the transporting of material off-site, the following operating practices will be adhered to:

1. All trucks transporting finished product will be tarped before leaving the property.

2. Drop heights of the front endloader bucket will be no more than two (2) feet above sideboard of the trucks.

Control of emissions due to vehicle movement about the stockpiles is accomplished by applying lignosulfonate to the travelled areas among the piles. Application rate of 5 gal/100 sq. ft. will be used. The diluted ratio is 3:1, and the application frequency is once per month. The actual square footage to be controlled will be dependent upon the amount of material in storage.

Spilled material under conveyors will be attended to on an ongoing basis. Spillage on roadways will be removed daily. A truck operator who has spilled material onto the road will be notified so that appropriate action can be taken to prevent future incidences.

B. Stockpile Areas and Activities

Edward C. Levy Co. Plant 6 stockpiles both raw slag and finished slag products on the property.

Raw Slag - the raw slag, after being quenched, is dug from the pot dump area and stockpiled in the material handling stockpile adjacent to the process plant. The material is watered, and then transferred by front endloader to the grizzly/feeder at the beginning of the process plant.

Finished Slag Products - the raw slag is crushed and screened to produce three sizes of finished products. Water is added to the material at a rate of 4.0 gallons per ton of slag processed (a table of the finished products with moisture contents and % passing 200 mesh sieve can be found in the Process Description). The material is stockpiled by three stackers; two of the stackers are covered, one of which has water sprays and a scope.

Load-out of finished product is by front endloader. Load-out emissions are controlled by limiting drop height of the bucket to a maximum of two (2) feet above the sideboard of the truck. All trucks transporting finished product will be tarped before leaving the property.

C. Roadways and Parking Lots

Edward C. Levy Co. Plant 6 has both paved and unpaved roads.

Paved - the paved roads will be cleaned daily, during operating hours, weather permitting, with a power flush or wet/vacuum truck. Track-out will be cleaned up daily when it occurs. Speed limit on paved roads is 15 MPH.

Unpaved - the unpaved roads will be treated with a lignosulfonate dust suppressant at a rate of 0.45 gallons of solution per square yard. The dilution ratio is 3:1. Additionally, speed limits on unpaved roads are restricted to 5 MPH.

D. Process Emissions (Crushing, Screening, Conveying, and Transfer)

Crushing/Screening Operations - water sprays.

Conveying and Transferring - covered conveyors, water sprays, side shields, scope.

Load-Out - limited drop height, trucks are tarped.

(Note: See attached DNR required Recordkeeping for Fugitive Dust Sources Addendum for additional information.)

ADDENDUM

RECORDKEEPING FOR FUGITIVE DUST SOURCES

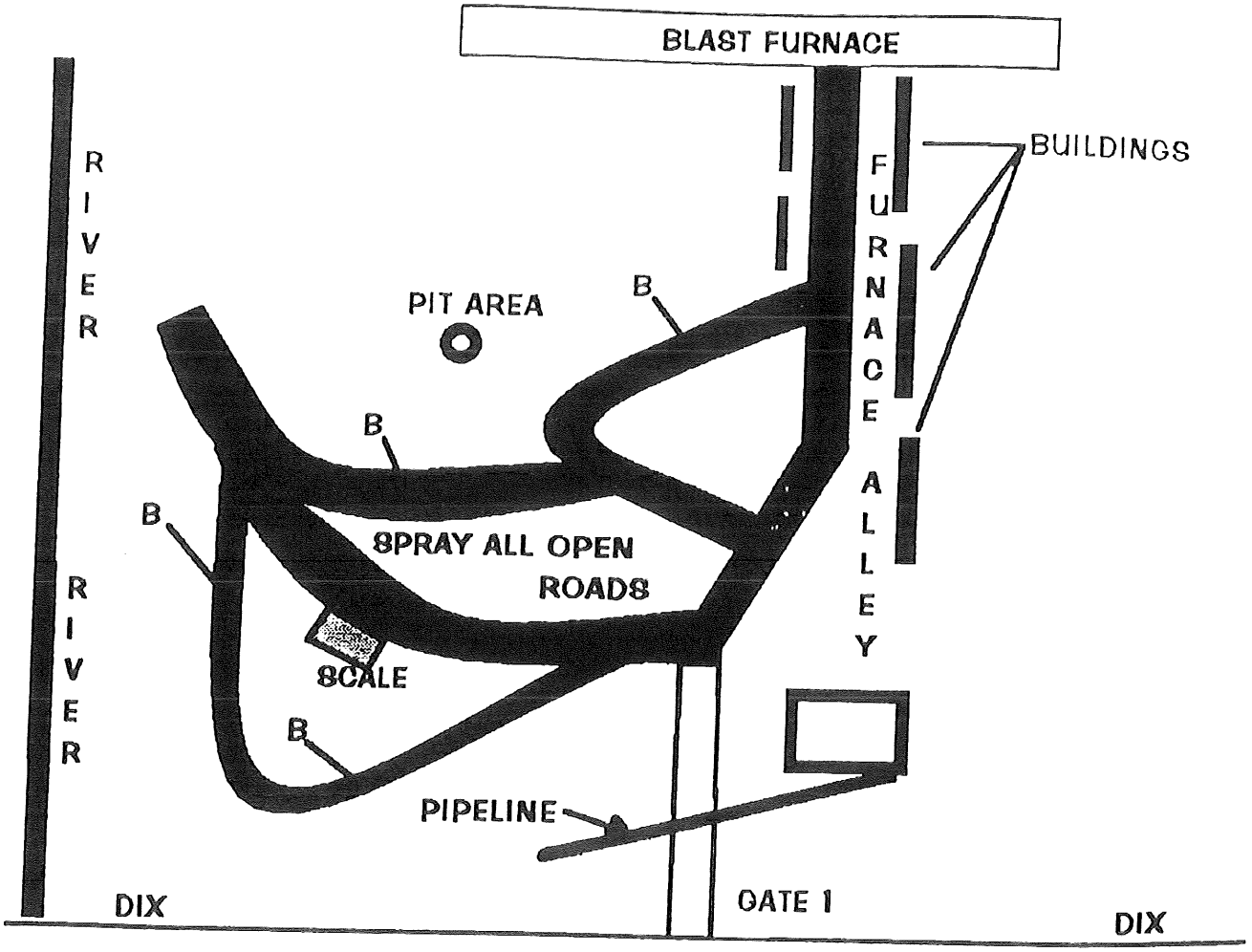
REQUIRED RECORDS

UNPAVED ROADS/LOTS	1. DATE OF TREATMENT 2. CONTROL MEASURE USED 3. RESPONSIBLE PERSON'S INITIALS 4. NAME OF PRODUCT APPLIED 5. AMOUNT OF SOLUTION/WATER APPLIED 6. DILUTION RATIO 7. ROAD SEGMENT/LOT IDENTIFICATION
PAVED ROADS/LOTS	1. DATE OF TREATMENT 2. CONTROL MEASURE USED 3. RESPONSIBLE PERSON'S INITIALS 4. ROAD SEGMENT/LOT IDENTIFICATION
STORAGE PILES/MATERIAL HANDLING	1. DATE OF TREATMENT 2. CONTROL MEASURE USED 3. RESPONSIBLE PERSON'S INITIALS 4. DILUTION RATIO (IF APPLICABLE) 5. AMOUNT OF DUST SUPPRESSANT/WATER APPLIED 6. IDENTIFICATION OF PILE/MATERIAL HANDLING OPERATION TREATED 7. EQUIPMENT USED

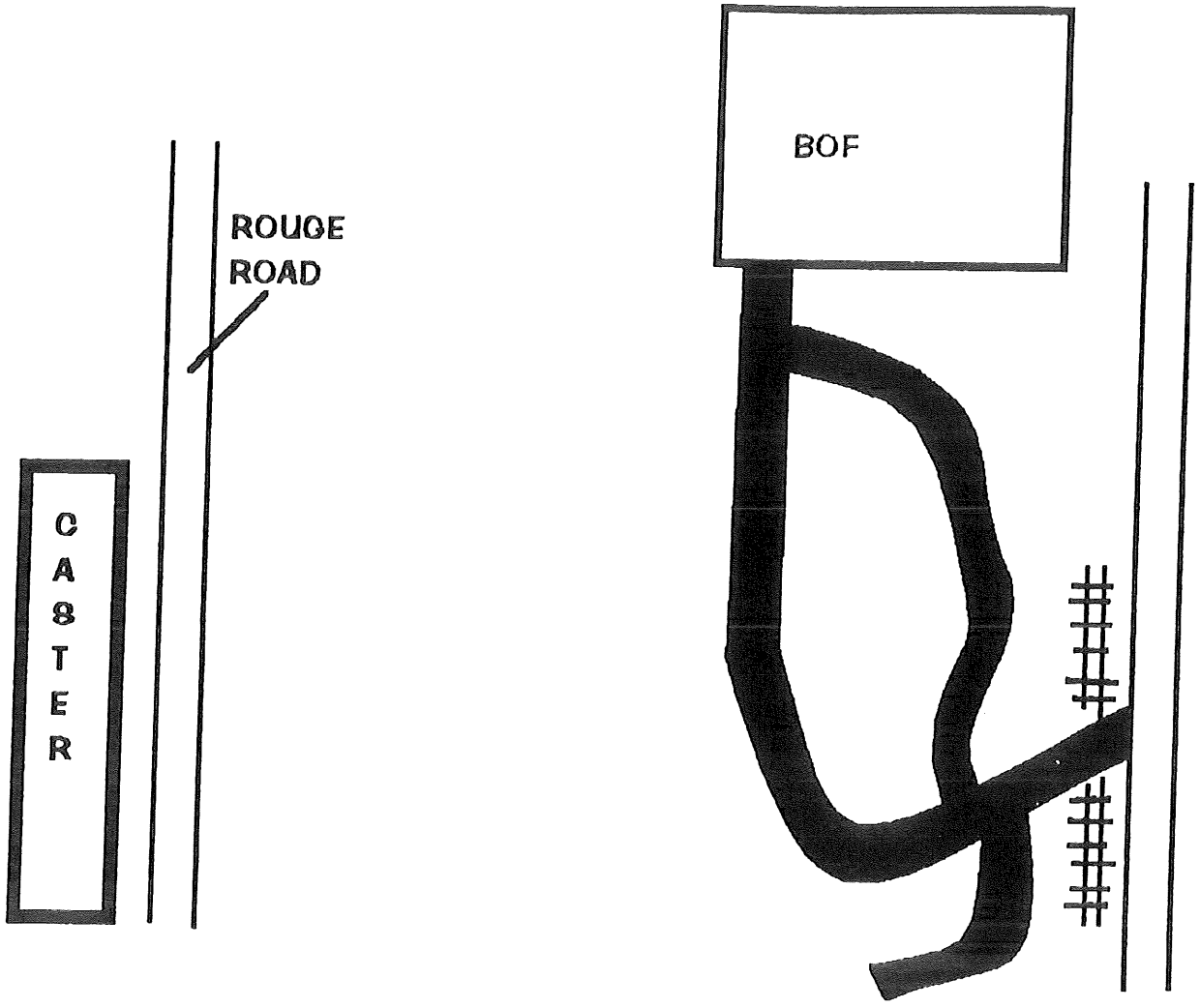
OPTIONAL RECORDS

WEATHER CONDITIONS	1. PRECIPITATION 2. TEMPERATURE 3. WIND DIRECTION AND VELOCITY

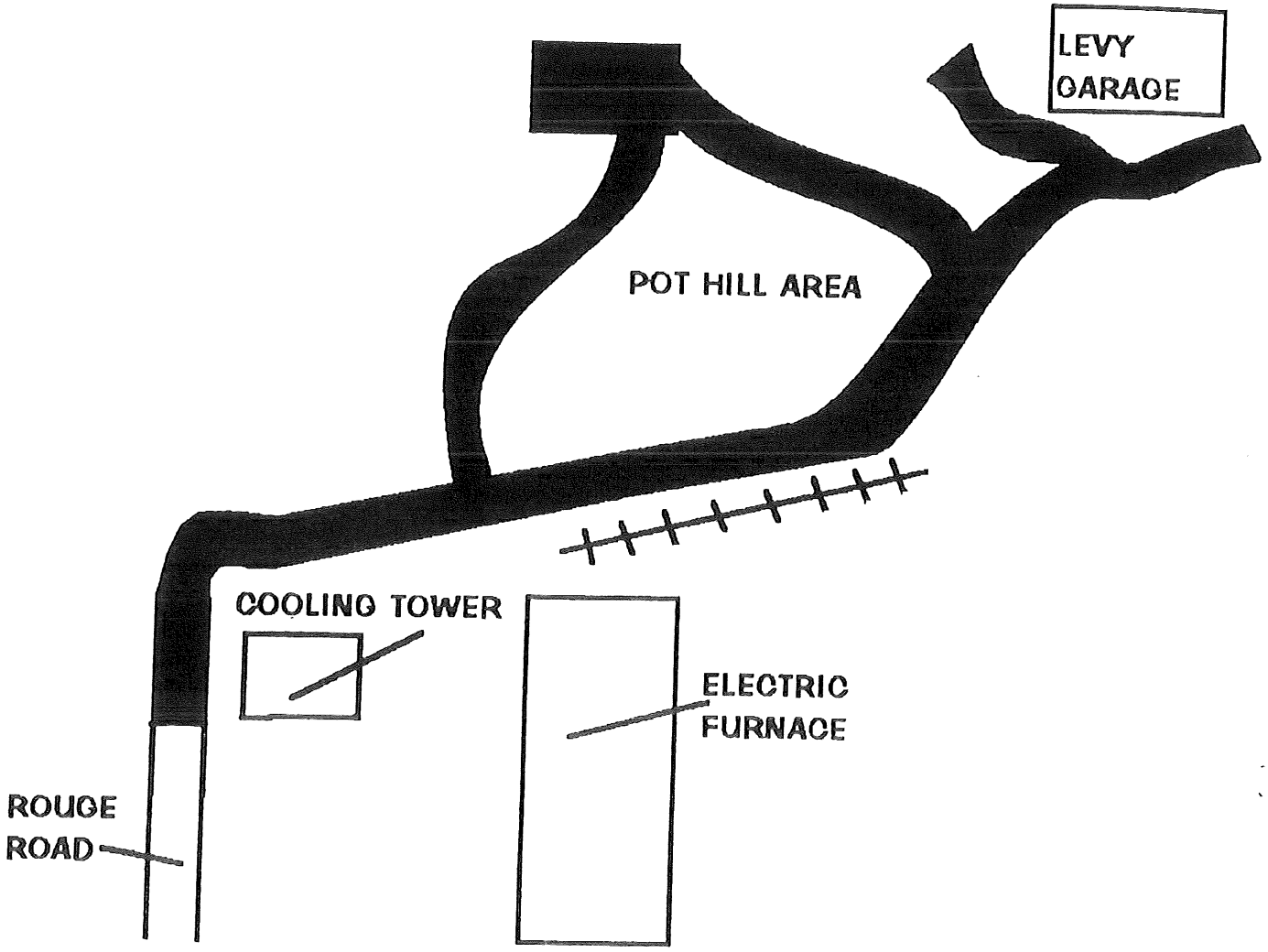
LEVY-PLANT #6 BLAST FURNACE



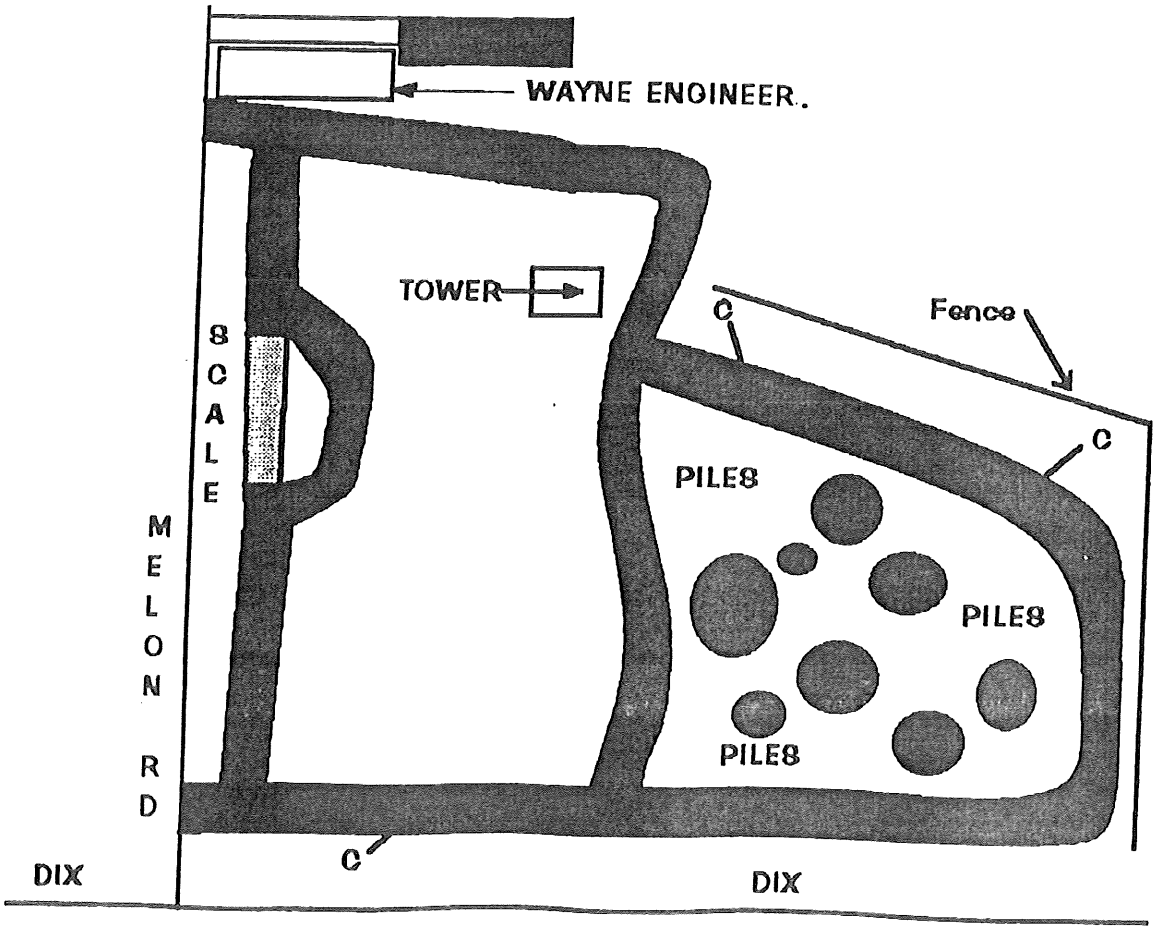
LEVY-BOF



LEVY-PLANT #6


LEVY
GARAGE
POT HILL AREA
COOLING TOWER
ELECTRIC
FURNACE
ROUGE
ROAD

LEVY-PLANT #6 DETROIT SIDE



RENEWABLE OPERATING PERMIT APPLICATION
AI-001: ADDITIONAL INFORMATION

This information is required by Article II, Chapter 1, part 55 (Air Pollution Control) of P.A. 451 of 1994, as amended, and the Federal Clean Air Act of 1990. Failure to obtain a permit required by Part 55 may result in penalties and/or imprisonment. Please type or print clearly. Refer to instructions for additional information to complete this form.

SRN: B4243	Section Number (if applicable):

1. Additional Information ID
AI-LEVYPLANT6

Additional Information

2. Is This Information Confidential? ☐ Yes ☒ No

Attached is PTI 5-19 issued 3-12-2019 that is proposed for inclusion in the ROP. Requested changes are included in the mark-up copy of the ROP.

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

March 12, 2019

PERMIT TO INSTALL
5-19

ISSUED TO
Edw. C. Levy Co.

LOCATED AT
13800 Mellon Street
Detroit, Michigan

IN THE COUNTY OF
Wayne

STATE REGISTRATION NUMBER
B4243

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environmental Quality. This permit is hereby issued in accordance with and subject to Section 5505(1) of Article II, Chapter I, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Air Pollution Control Rule 336.1201(1), this permit constitutes the permittee's authority to install the identified emission unit(s) in accordance with all administrative rules of the Department and the attached conditions. Operation of the emission unit(s) identified in this Permit to Install is allowed pursuant to Rule 336.1201(6).

DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203: **March 5, 2019**	
DATE PERMIT TO INSTALL APPROVED: **March 12, 2019**	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

PERMIT TO INSTALL

Table of Contents

COMMON ACRONYMS

AQD	Air Quality Division
BACT	Best Available Control Technology
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
COMS	Continuous Opacity Monitoring System
Department/department	Michigan Department of Environmental Quality
EU	Emission Unit
FG	Flexible Group
GACS	Gallons of Applied Coating Solids
GC	General Condition
GHGs	Greenhouse Gases
HVLP	High Volume Low Pressure*
ID	Identification
IRSL	Initial Risk Screening Level
ITSL	Initial Threshold Screening Level
LAER	Lowest Achievable Emission Rate
MACT	Maximum Achievable Control Technology
MAERS	Michigan Air Emissions Reporting System
MAP	Malfunction Abatement Plan
MDEQ	Michigan Department of Environmental Quality
MSDS	Material Safety Data Sheet
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standard for Hazardous Air Pollutants
NSPS	New Source Performance Standards
NSR	New Source Review
PS	Performance Specification
PSD	Prevention of Significant Deterioration
PTE	Permanent Total Enclosure
PTI	Permit to Install
RACT	Reasonable Available Control Technology
ROP	Renewable Operating Permit
SC	Special Condition
SCR	Selective Catalytic Reduction
SNCR	Selective Non-Catalytic Reduction
SRN	State Registration Number
TBD	To Be Determined
TEQ	Toxicity Equivalence Quotient
USEPA/EPA	United States Environmental Protection Agency
VE	Visible Emissions

*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 psig

POLLUTANT / MEASUREMENT ABBREVIATIONS

acfm	Actual cubic feet per minute
BTU	British Thermal Unit
°C	Degrees Celsius
CO	Carbon Monoxide
CO_2e	Carbon Dioxide Equivalent
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
°F	Degrees Fahrenheit
gr	Grains
HAP	Hazardous Air Pollutant
Hg	Mercury
hr	Hour
HP	Horsepower
H_2S	Hydrogen Sulfide
kW	Kilowatt
lb	Pound
m	Meter
mg	Milligram
mm	Millimeter
MM	Million
MW	Megawatts
NMOC	Non-Methane Organic Compounds
NO_x	Oxides of Nitrogen
ng	Nanogram
PM	Particulate Matter
PM10	Particulate Matter equal to or less than 10 microns in diameter
PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
pph	Pounds per hour
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
psia	Pounds per square inch absolute
psig	Pounds per square inch gauge
scf	Standard cubic feet
sec	Seconds
SO_2	Sulfur Dioxide
TAC	Toxic Air Contaminant
Temp	Temperature
THC	Total Hydrocarbons
tpy	Tons per year
µg	Microgram
µm	Micrometer or Micron
VOC	Volatile Organic Compounds
yr	Year

GENERAL CONDITIONS

1. The process or process equipment covered by this permit shall not be reconstructed, relocated, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule. **(R 336.1201(1))**

2. If the installation, construction, reconstruction, relocation, or modification of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the permittee or the designated authorized agent shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. **(R 336.1201(4))**

3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to Rule 210 (R 336.1210), operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. **(R 336.1201(6)(b))**

4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. **(R 336.1201(8), Section 5510 of Act 451, PA 1994)**

5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to Rule 219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of Rule 219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environmental Quality. **(R 336.1219)**

6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**

7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**

8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.

9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.

10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of Rule 301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with Rule 303 (R 336.1303). **(R 336.1301)**
    a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
    b) A visible emission limit specified by an applicable federal new source performance standard.
    c) A visible emission limit specified as a condition of this Permit to Install.

12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in Rule 370(2). **(R 336.1370)**

13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001. **(R 336.2001)**

EMISSION UNIT SPECIAL CONDITIONS

EMISSION UNIT SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EULEVYPLANT6	Processing equipment associated with Levy Plant 6, including a plant feeder/magnetic separator, twelve conveyors including the bridge conveyor, a screen, and a crusher. Equipped with water spray system for air pollution control. It does not include equipment associated with EUCONVEYORSYSTEM and EUDEISTERSCREEN.	01/01/1971 9/19/2006 TBD	

Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1291.

EULEVYPLANT6
EMISSION UNIT CONDITIONS

DESCRIPTION

Processing equipment associated with Levy Plant 6, including a plant feeder/magnetic separator, twelve conveyors including the bridge conveyor, a screen and a crusher. It does not include equipment associated with EUCONVEYORSYSTEM and EUDEISTERSCREEN.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Water spray system

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. PM10	0.73 pounds per hour	Calendar day average	EULEVYPLANT6	SC VI.1,2&4	40 CFR 52.21(c)&(d)
2. PM10	0.64 tons per year	Based on a 12 month rolling time period as determined at the end of each calendar month	EULEVYPLANT6	SC VI.3&5	40 CFR 52.21(c)&(d)
3. Particulate Matter	2.03 pounds per hour	Calendar day average	EULEVYPLANT6	SC VI.1,2&4	40 CFR 52.21(c)&(d)
4. Particulate Matter	1.79 tons per year	Based on a 12 month rolling time period as determined at the end of each calendar month	EULEVYPLANT6	SC VI.3&5	40 CFR 52.21(c)&(d)
5. Visible Emissions	10% opacity	6-Minute Average	Slag screening operations, conveyors or transfer points on conveyors	SC VI.7,9&10	R 336.1301(1)(c)
6. Fugitive dust	5% opacity	3-Minute Average	Roadways, parking lots, or storage piles, including any material handling activity at a storage pile	SC VI.8,9&10	Act 451, Section 5524, Paragraph (2) and Section 5525, Paragraph (j)

II. MATERIAL LIMIT(S)

Material	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. Slag processing plant raw material throughput	400 tons per hour	Calendar day average	EULEVYPLANT6	SC VI.1&2	40 CFR 52.21(c)&(d)

Material	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
2. Slag processing plant raw material throughput	704,000 tons per year	Based on a 12 month rolling time period as determined at the end of each calendar month	EULEVYPLANT6	SC VI.3	40 CFR 52.21(c)&(d)
3. Hexavalent chromium content of raw materials (slag) processed	Not more than 11 ppmw	Average of all samples taken, not to exceed three samples per month[a]	EULEVYPLANT6	SC V.1	R 336.1225
a. The permittee is not required to sample more than one time, as required by SC V.1. However, in the event the permittee takes more than one sample, only three samples may be taken in any month.					

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall maintain a minimum moisture content of 1.5 percent by weight in the raw materials less than three quarters of an inch in diameter and finished product less than three quarters of an inch in diameter. **(40 CFR 52.21(c)&(d))**

2. The permittee shall not operate the slag processing plant unless the adjustable stacker height mechanisms and water spray systems are installed, operated, and maintained to minimize fugitive dust emissions on crushers, screen, conveyors, and at all exit points in order to meet the visible emission and fugitive dust limits in SC.1. **(40 CFR 52.21(c)&(d))**

3. The permittee shall not crush and screen asbestos tailings or asbestos containing materials, as defined by the National Emission Standards for Hazardous Air Pollutants (40 CFR, 61.143) regulations, in the crushing plant. **(40 CFR 52.21(c)&(d))**

4. The permittee shall not operate the slag processing plant unless the program for continuous fugitive dust emissions control for the plant has been implemented and maintained. **(40 CFR 52.21(c)&(d), R 336.1372, R 336.1901, Consent Order SIP 18-1993 (Revised 9/9/94))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. Within 60 days after permit issuance, the permittee shall verify the hexavalent chromium content of the raw materials (slag) used in EULEVYPLANT6 using method SW-846 7199 or another method acceptable to the AQD District Supervisor that is capable of accurately determining the hexavalent chromium content of the material being tested. The permittee must submit the test results to the AQD District Supervisor within 45 days of sample collection. **(R 336.1225)**

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall monitor and record the daily tonnage of material throughput. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&((d))**

2. The permittee shall monitor and record the daily hours of operation of the slag processing plant. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&(d), R 336.1901)**

3. The permittee shall monitor and record the total material throughput of the slag processing plant on a monthly and 12-month rolling time period, as determined at the end of each calendar month. **(40 CFR 52.21(c)&(d))**

4. The permittee shall calculate and maintain records of the PM and PM10 hourly emissions based on the daily operating hours and daily throughput and appropriate AP-42 emission factors or other factors agreed upon by the AQD District Supervisor. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&(d))**

5. The permittee shall keep, in a satisfactory manner, calculations determining the monthly and 12-month rolling time period mass emissions of PM and PM_{10} as determined at the end of each calendar month. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&(d))**

6. The permittee shall keep records as specified in the fugitive dust control program and as required under Consent Order SIP 18-1993, (Revised 9/9/94), Exhibit A, Addendum and Appendix A of this permit. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&(d))**

7. The permittee shall perform a Method 9 certified visible emission observation of the plant feeder/magnetic separator, screen, crusher, or of the conveyor system at least once every two calendar weeks for a minimum of 15 minutes during representative operations. The permittee shall initiate corrective action upon observation of visible emissions in excess of the applicable visible emission limitation and shall keep a written or electronic record of each required observation and corrective action taken. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&(d))**

8. The permittee shall perform a Method 9D certified visible emission observation of loading activities from a finished product storage pile into a truck at least once every two calendar weeks for a minimum of 15 minutes when the loading process is operating. The permittee shall initiate corrective action upon observation of visible emissions in excess of the applicable fugitive dust emission limitation and shall keep a written or electronic record of each required observation and corrective action taken. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&(d))**

9. The permittee shall conduct periodic inspections for the purpose of determining the operational condition of the adjustable stacker height mechanisms, water spray systems, crushers, screen, conveyors and the bridge conveyor side shields (from both sides of the river), and if necessary, identify the reasons for malfunction or failure. These inspections shall be conducted immediately after observing visible emissions in excess of the visible emission limit, but not less frequently than at least once a month and the permittee shall keep a written or electronic record of each inspection and corrective action taken if any. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(40 CFR 52.21(c)&(d))**

10. Permittee shall sample each finished product storage pile to determine the minimum moisture content by weight on a weekly basis. The sampling procedure, averaging period for determining the moisture content of each finished product, and corrective actions that will be taken if the moisture content is below the required minimum, shall be submitted to the AQD District Supervisor for review and approval. Records of minimum moisture content sampling and corrective actions taken, if applicable, shall be maintained. After six weekly samples, the permittee may petition to the Department to reduce the sampling frequency to monthly. This petition must be submitted in writing and approved by the AQD District Supervisor. **(40 CFR 52.21(c)&(d))**

11. The permittee shall keep, in a satisfactory manner, records of the hexavalent chromium content of each raw material sample used in EULEVYPLANT6. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1225)**

VII. REPORTING

1. Within 30 days after completion of the installation, construction, reconstruction, relocation, or modification authorized by this Permit to Install, the permittee or the authorized agent pursuant to Rule 204, shall notify the AQD District Supervisor, in writing, of the completion of the activity. Completion of the installation, construction, reconstruction, relocation, or modification is considered to occur not later than commencement of trial operation of the crusher. **(R 336.1201(7)(a))**

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

1. Within 30 days of issuance of this permit, the permittee shall label the EULEVYPLANT6 equipment according to a method acceptable to the AQD District Supervisor. Within seven days of completing the labeling, the permittee shall notify the AQD District Supervisor, in writing, as to the date the labeling was completed. **(R 336.1201)**

2. This permit shall be terminated on and after March 12, 2021. **(R 336.1201(3))**

Footnotes:
[1] This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

APPENDIX A

The permittee shall use the following approved formats and procedures for the recordkeeping requirements referenced in Special Condition VI.6. Alternative formats must be approved by the AQD District Supervisor.

4.1 Required Records for Fugitive Dust Sources

A. Unpaved Roads / Lots
   1. Date of Treatment
   2. Control Measure Used
   3. Responsible Person's Initial
   4. Name of Product Applied
   5. Amount of Solution / Water Applied
   6. Dilution Ratio
   7. Road Segment / Lot Identification

B. Paved Roads / Lots
   1. Date of Treatment
   2. Control Measure Used
   3. Responsible Person's Initial
   4. Road Segment / Lot Identification

C. Storage Piles / Material Handling
   1. Date of Treatment
   2. Control Measure Used
   3. Responsible Person's Initial
   4. Dilution Ratio
   5. Amount of Dust Suppressant / Water Applied
   6. Identification of Pile / Material Handling Operation Treated
   7. Equipment Used

D. Optional Records
   1. Precipitation
   2. Temperature
   3. Wind Direction and Velocity

RENEWABLE OPERATING PERMIT APPLICATION
AI-001: ADDITIONAL INFORMATION

This information is required by Article II, Chapter 1, part 55 (Air Pollution Control) of P.A. 451 of 1994, as amended, and the Federal Clean Air Act of 1990. Failure to obtain a permit required by Part 55 may result in penalties and/or imprisonment. Please type or print clearly. Refer to instructions for additional information to complete this form.

	SRN: B4243	Section Number (if applicable):

1. Additional Information ID
AI-DEISTERSCREEN

Additional Information

2. Is This Information Confidential? ☐ Yes ☒ No

Attached is PTI 45-20 issued 5-29-2020 that is proposed for inclusion in the ROP. Requested changes are included in the mark-up copy of the ROP.

PERMIT TO INSTALL

Table of Contents

COMMON ACRONYMS

AQD	Air Quality Division
BACT	Best Available Control Technology
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
COMS	Continuous Opacity Monitoring System
Department/department/EGLE	Michigan Department of Environment, Great Lakes, and Energy
EU	Emission Unit
FG	Flexible Group
GACS	Gallons of Applied Coating Solids
GC	General Condition
GHGs	Greenhouse Gases
HVLP	High Volume Low Pressure*
ID	Identification
IRSL	Initial Risk Screening Level
ITSL	Initial Threshold Screening Level
LAER	Lowest Achievable Emission Rate
MACT	Maximum Achievable Control Technology
MAERS	Michigan Air Emissions Reporting System
MAP	Malfunction Abatement Plan
MSDS	Material Safety Data Sheet
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standard for Hazardous Air Pollutants
NSPS	New Source Performance Standards
NSR	New Source Review
PS	Performance Specification
PSD	Prevention of Significant Deterioration
PTE	Permanent Total Enclosure
PTI	Permit to Install
RACT	Reasonable Available Control Technology
ROP	Renewable Operating Permit
SC	Special Condition
SCR	Selective Catalytic Reduction
SNCR	Selective Non-Catalytic Reduction
SRN	State Registration Number
TBD	To Be Determined
TEQ	Toxicity Equivalence Quotient
USEPA/EPA	United States Environmental Protection Agency
VE	Visible Emissions

*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 psig

POLLUTANT / MEASUREMENT ABBREVIATIONS

acfm	Actual cubic feet per minute
BTU	British Thermal Unit
°C	Degrees Celsius
CO	Carbon Monoxide
CO_2e	Carbon Dioxide Equivalent
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
°F	Degrees Fahrenheit
gr	Grains
HAP	Hazardous Air Pollutant
Hg	Mercury
hr	Hour
HP	Horsepower
H_2S	Hydrogen Sulfide
kW	Kilowatt
lb	Pound
m	Meter
mg	Milligram
mm	Millimeter
MM	Million
MW	Megawatts
NMOC	Non-Methane Organic Compounds
NO_x	Oxides of Nitrogen
ng	Nanogram
PM	Particulate Matter
PM10	Particulate Matter equal to or less than 10 microns in diameter
PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
pph	Pounds per hour
ppm	Parts per million
ppmv	Parts per million by volume
ppmw	Parts per million by weight
psia	Pounds per square inch absolute
psig	Pounds per square inch gauge
scf	Standard cubic feet
sec	Seconds
SO_2	Sulfur Dioxide
TAC	Toxic Air Contaminant
Temp	Temperature
THC	Total Hydrocarbons
tpy	Tons per year
µg	Microgram
µm	Micrometer or Micron
VOC	Volatile Organic Compounds
yr	Year

GENERAL CONDITIONS

1. The process or process equipment covered by this permit shall not be reconstructed, relocated, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule. **(R 336.1201(1))**

2. If the installation, construction, reconstruction, relocation, or modification of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the permittee or the designated authorized agent shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environment, Great Lakes, and Energy, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. **(R 336.1201(4))**

3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to Rule 210 (R 336.1210), operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. **(R 336.1201(6)(b))**

4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. **(R 336.1201(8), Section 5510 of Act 451, PA 1994)**

5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to Rule 219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of Rule 219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environment, Great Lakes, and Energy. **(R 336.1219)**

6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**

7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**

8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.

9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.

10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of Rule 301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with Rule 303 (R 336.1303). **(R 336.1301)**
    a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
    b) A visible emission limit specified by an applicable federal new source performance standard.
    c) A visible emission limit specified as a condition of this Permit to Install.

12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in Rule 370(2). **(R 336.1370)**

13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with Rule 1001 and Rule 1003, under any of the conditions listed in Rule 1001. **(R 336.2001)**

EMISSION UNIT SPECIAL CONDITIONS

EMISSION UNIT SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EUDEISTERSCREEN	A 350 Ton Per Hour Deister Screen designed to separate slag and related materials into various finished product sizes. This emission unit includes nine conveyors and three knuckle conveyors. All but two conveyors are located downstream of the screen. Equipped with water spray system and adjustable stacker height mechanism for air pollution control.	04/17/1995 / 04/2020	NA

Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1291.

EUDEISTERSCREEN
EMISSION UNIT CONDITIONS

DESCRIPTION

A 350 Ton Per Hour Deister Screen designed to separate slag and related materials into various finished product sizes. This emission unit includes nine conveyors and three knuckle conveyors. All but two conveyors are located downstream of the screen.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Equipped with water spray system and adjustable stacker height mechanism for air pollution control.

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Visible emissions	10% opacity	6-Minute Average	EUDEISTERSCREEN	SC VI.4, SC VI.5	**R 336.1301(1)(c)**

II. MATERIAL LIMIT(S)

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Material throughput	350 tons per hour	Hourly	EUDEISTERSCREEN	SC VI.1, SC VI.2	R 336.1301
2. Material throughput	616,000 tons per year	12-month rolling time period as determined at the end of each calendar month	EUDEISTERSCREEN	SC VI.3	R 336.1205

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. Materials shall be wetted with water sprays to minimize the fugitive emissions prior to entering the screening operations of EUDEISTERSCREEN. **(R 336.1301(1)(c)**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall equip and maintain EUDEISTERSCREEN with water sprays for fugitive dust control. **(R 336.1205, R 336.1301(1)(c))**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall monitor and record the hourly tonnage of material throughput for EUDEISTERSCREEN. **(R 336.1205, R 336.1301)**

2. The permittee shall monitor and record the daily hours of operation of EUDEISTERSCREEN. **(R 336.1205, R 336.1301)**

3. The permittee shall monitor and record the total material throughput of EUDEISTERSCREEN on a monthly and 12-month rolling time period as determined at the end of each calendar month. **(R 336.1205)**

4. The permittee shall perform a Method 9 certified visible emission observation of a representative operating conveyor of EUDEISTERSCREEN at least once every two calendar weeks for a minimum of 15 minutes during screening operation. The permittee shall initiate corrective action upon observation of visible emissions in excess of the visible emission limitation in SC I.1 and shall keep a written or electronic record of each required observation and corrective action taken. **(R 336.1205, R 336.1301)**

5. The permittee shall activate the water sprays if visible emissions are observed during the regular non-certified visible emissions observations that are required to occur at least 5 days per week during representative operations, excluding non-operating days, during March through October. The permittee shall keep a record of corrective actions taken, if other than water sprays. **(R 336.1205, R 336.1301)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTION(S)

NA

IX. OTHER REQUIREMENT(S)

NA

RENEWABLE OPERATING PERMIT APPLICATION
AI-001: ADDITIONAL INFORMATION

This information is required by Article II, Chapter 1, part 55 (Air Pollution Control) of P.A. 451 of 1994, as amended, and the Federal Clean Air Act of 1990. Failure to obtain a permit required by Part 55 may result in penalties and/or imprisonment. Please type or print clearly. Refer to instructions for additional information to complete this form.

	SRN: B4243	Section Number (if applicable):

1. Additional Information ID
AI-COMBUSTION

Additional Information

2. Is This Information Confidential? ☐ Yes ☒ No

The facility has the following small non-emergency, portable compression ignition engines at the facility that are exempt from permitting per Rule 285 (g), but units have RICE MACT applicability. The facility proposes that all units be included in a flex group called FGRICEMACT. A description of each unit with its Potential to Emit (PTE) is summarized in Table 1 - 5 below. All units have PTE based on 8,760 hrs per year and usage of ultra-low sulfur diesel fuel. Units installed in 2019.

Table 1. Engine Description

UNIT NAME	DESCRIPTION
EURICECRUSHER	300 hp diesel-fired tier 3 generator that provides support power to portable crusher. Exempt per Rule 285 (g) with RICE MACT applicability. Exempt per Rule 285 (g) with RICE MACT applicability. Installed in 2019 and reported to MAERS.
EUFEEDERSTACKERGEN	100 hp portable diesel-fired tier 4 engine that provides support power to facility processes (Detroit side feeder-stacker). Exempt per Rule 285 (g) with RICE MACT applicability.
EUFEEDERMAGSEPARATORGEN	150 hp portable diesel-fired tier 3 engine that provides support power to facility processes (Levy Plant 6). Exempt per Rule 285 (g) with RICE MACT applicability.
EUSLAGCONVEYORGEN1	74 hp portable diesel-fired tier 4 engine that provides support power to facility processes (Slag plant side conveyor). Exempt per Rule 285 (g) with RICE MACT applicability.
EUSLAGCONVEYORGEN2	74 hp portable diesel-fired tier 4 engine that provides support power to facility processes (Slag plant side conveyor). Exempt per Rule 285 (g) with RICE MACT applicability.
EULIGHTGENS	7 - 27 hp portable diesel-fired engines that provides support portable light towers. Exempt per Rule 285 (g) with RICE MACT applicability.
EUSLAGSTACKERGEN	100 hp portable diesel-fired tier 4 engine that provides support power to facility processes (Slag plant side stacker). Exempt per Rule 285 (g) with RICE MACT applicability.
EUSLAGSCREENGEN	111 hp portable diesel-fired tier 4 engine that provides support power to facility processes (Slag plant side screen). Exempt per Rule 285 (g) with RICE MACT

RENEWABLE OPERATING PERMIT APPLICATION
AI-001: ADDITIONAL INFORMATION

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	SRN: B4243	Section Number (if applicable):

1. Additional Information ID
AI-COMBUSTION

Additional Information

2. Is This Information Confidential? ☐ Yes ☒ No

UNIT NAME	DESCRIPTION

Table 2. Engine Size and Tier

ENGINES			Engine Details	
ROP Name	**Location**	**Levy Name**	**Size (hp)**	**Tier**
EUFEEDERSTACKERGEN	Detroit Side	Edge FTS65	100	4
EUFEEDERMAGSEPARATORGEN	Debris Processing (Slag Plant)	CEC Feeder	150	3
EULIGHTGENS	Light Stands	Light Rigs (7 units)	189 total	4
EURICECRUSHER	Slag Plant	Metso Crusher	300	3
EUSLAGCONVEYGEN1	Slag Plant	McCloskey ST100	74	4
EUSLAGSCREENGEN	Slag Plant	Finlay Screen 684	111	4
EUSLAGSTACKERGEN	Slag Plant	Edge FTS Stacker	100	4
EUSLAGCONVEYGEN2	Slag Plant	McCloskey ST100	74	4

RENEWABLE OPERATING PERMIT APPLICATION
AI-001: ADDITIONAL INFORMATION

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	SRN: B4243	Section Number (if applicable):

1. Additional Information ID
AI-COMBUSTION

Additional Information

2. Is This Information Confidential? ☐ Yes ☒ No

Table 3. Emission Factor Summary

ENGINES			Emission Factors (g/KW-hr) [1]					
ROP Name	**Location**	**Levy Name**	**NOx**	**CO**	**PM10**	**PM2.5**	**SO2**	**VOC**
EUFEEDERSTACKERGEN	Detroit Side	Edge FTS65	0.40	3.50	0.02	0.02	0.007	0.19
EUFEEDERMAG SEPARATORGEN	Debris Processing (Slag Plant)	CEC Feeder	4.00	5.00	0.30	0.30	0.007	1.50
EULIGHTGENS	Light Stands	Light Rigs (7 units)	0.40	3.50	0.02	0.02	0.007	0.19
EURICECRUSHER	Slag Plant	Metso Crusher	4.00	5.00	0.30	0.30	0.007	1.50
EUSLAGCONVEYGEN1	Slag Plant	McCloskey ST100	0.40	3.50	0.02	0.02	0.007	0.19
EUSLAGSCREENGEN	Slag Plant	Finlay Screen 684	0.40	3.50	0.02	0.02	0.007	0.19
EUSLAGSTACKERGEN	Slag Plant	Edge FTS Stacker	0.40	3.50	0.02	0.02	0.007	0.19
EUSLAGCONVEYGEN2	Slag Plant	McCloskey ST100	0.40	3.50	0.02	0.02	0.007	0.19

RENEWABLE OPERATING PERMIT APPLICATION
AI-001: ADDITIONAL INFORMATION

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	SRN: B4243	Section Number (if applicable):

1. Additional Information ID
AI-COMBUSTION

Additional Information

2. Is This Information Confidential? ☐ Yes ☒ No

Table 4. Potential to Emit Summary

ENGINES			Annual Potential To Emit (Tons/Year)					
ROP Name	**Location**	**Levy Name**	**NOx**	**CO**	**PM10**	**PM2.5**	**SO2**	**VOC**
EUFEEDERSTACKERGEN	Detroit Side	Edge FTS65	0.3	2.5	0.01	0.01	0.01	0.1
EUFEEDERMAG SEPARATORGEN	Debris Processing (Slag Plant)	CEC Feeder	4.3	5.4	0.3	0.3	0.01	1.6
EULIGHTGENS	Light Stands	Light Rigs (7 units – 27 hp each)	0.5	4.7	0.027	0.027	0.010	0.26
EURICECRUSHER	Slag Plant	Metso Crusher	8.6	10.8	0.6	0.6	0.016	3.2
EUSLAGCONVEYGEN1	Slag Plant	McCloskey ST100	0.2	1.9	0.01	0.01	0.004	0.1
EUSLAGSCREENGEN	Slag Plant	Finlay Screen 684	0.3	2.8	0.02	0.02	0.01	0.2
EUSLAGSTACKERGEN	Slag Plant	Edge FTS Stacker	0.3	2.5	0.01	0.01	0.01	0.1
EUSLAGCONVEYGEN2	Slag Plant	McCloskey ST100	0.2	1.9	0.01	0.01	0.00	0.1

1. All engines assume operation up to 8,760 hours per year.

RENEWABLE OPERATING PERMIT APPLICATION
AI-001: ADDITIONAL INFORMATION

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SRN: B4243	Section Number (if applicable):

1. Additional Information ID
AI-COMBUSTION

Additional Information

2. Is This Information Confidential? ☐ Yes ☒ No

Table 5. Hazardous Air Pollutants Potential to Emit Summary

ENGINES			Annual HAP Potential To Emit (Tons/Year)					
ROP Name	Location	Size (hp)	Benzene	Toluene	Xylene	Formaldehyde	Acetaldehyde	Total PAH
EUFEEDERSTACKERGEN	Detroit Side	100	6.53E-04	2.86E-04	2.00E-04	8.26E-04	5.37E-04	5.37E-04
EUFEEDERMAG SEPARATORGEN	Debris Processing (Slag Plant)	150	9.80E-04	4.29E-04	2.99E-04	1.24E-03	8.05E-04	8.05E-04
EULIGHTGENS	Light Stands (7)	189	1.23E-03	5.41E-04	3.77E-04	1.56E-03	1.01E-03	1.01E-03
EURICECRUSHER	Slag Plant	300	1.96E-03	8.59E-04	5.99E-04	2.48E-03	1.61E-03	1.61E-03
EUSLAGCONVEYGEN1	Slag Plant	74	4.83E-04	2.12E-04	1.48E-04	6.11E-04	3.97E-04	3.97E-04
EUSLAGSCREENGEN	Slag Plant	111	7.25E-04	3.18E-04	2.21E-04	9.17E-04	5.96E-04	5.96E-04
EUSLAGSTACKERGEN	Slag Plant	100	6.53E-04	2.86E-04	2.00E-04	8.26E-04	5.37E-04	5.37E-04
EUSLAGCONVEYGEN2	Slag Plant	74	4.83E-04	2.12E-04	1.48E-04	6.11E-04	3.97E-04	3.97E-04
Total		**1098**	**0.007**	**0.003**	**0.002**	**0.009**	**0.006**	**0.006**

1. All engines assume operation up to 8,760 hrs per yr.
2. Assume 7,000 BTU/hp-hr.

Hazardous Air Pollutants	Emission Factor [1] (lb/ MMBTU)
Benzene	0.000933
Toluene	0.000409
Xylene	0.000285
Formaldehyde	0.00118
Acetaldehyde	0.000767
Total PAH	0.000168

1. Emission factors from AP-42 Table 3.3.2 for diesel-fired (SCC 2-02-001-02) source.

EGLE

RENEWABLE OPERATING PERMIT APPLICATION
AI-001: ADDITIONAL INFORMATION

This information is required by Article II, Chapter 1, part 55 (Air Pollution Control) of P.A. 451 of 1994, as amended, and the Federal Clean Air Act of 1990. Failure to obtain a permit required by Part 55 may result in penalties and/or imprisonment. Please type or print clearly. Refer to instructions for additional information to complete this form.

	SRN: B4243	Section Number (if applicable):

1. Additional Information ID
AI-MAERS

Additional Information

2. Is This Information Confidential? ☐ Yes ☒ No

3. Narrative

Emissions for 2019 were not submitted to MAERS for reporting year 2019 for the following exempt engines: EUFEEDERSTACKERGEN, EUFEEDERMAGSEPARATORGEN, EULIGHTGENS, EUSLAGCONVEYGEN1, EUSLAGSCREENGEN, EUSLAGSTACKERGEN, EUSLAGCONVEYGEN2

Emissions were not required to be reported because the units are exempt per Rule 285 (g) and are less than 300 hp. Emissions for 2019 are included for the these PTI and MAERS exempt engines on MAERS E-101 Forms.

Attached are the following MAERS documents:
- MAERS Report for RY 2019
- Hard copy MAERS emissions forms for:
- EUFEEDERSTACKERGEN
- EUFEEDERMAGSEPARATORGEN
- EULIGHTGENS
- EUSLAGCONVEYGEN1
- EUSLAGSCREENGEN
- EUSLAGSTACKERGEN
- EUSLAGCONVEYGEN2

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Source Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE

Form Type	**Source**	AQD Source ID (SRN)	**B4243**

SOURCE IDENTIFICATION

Source Name	**EDW C LEVY CO PLANT 6**				
NAICS Code	**327992**			Portable	**No**
Physical Address (Street Address 1)			**13800 MELLON AVE**		
Physical Address (Street Address 2)					
County	**WAYNE**	City	**DETROIT**	Zip Code	**48217-**
Latitude	**42.2912 Decimal Degrees**			Longitude	**-83.158725 Decimal Degrees**
Horizontal Collection Method	**001**				
Source Map Scale Number				Horizontal Accuracy Measure	**20 Meters**
Horizontal Reference Datum Code	**03**			Reference Point Code	**102**
Principal Product	**SLAG**			Number of Employees	**50**
Employer Federal Identification Number	**381253012**				

OWNER INFORMATION

Owner Name	**Edw. C. Levy Co.**		
Mailing Address (Street Address 1)	**8800 Dix**		
Mailing Address (Street Address 2)			
City	**Detroit**	State/Pro vince	**MI**
Country	**USA**	Zip or Postal Code	**48209-**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Contact Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE			
Form Type	**Contact**	AQD Source ID (SRN)	**B4243**

EMISSION INVENTORY CONTACT (PRIMARY) INFORMATION			
Contact First Name, Middle Initial	**Matt**	Contact Last Name	**Perko**
Contact Title	**Environmental Engineer**		
Mailing Address (Street Address 1)	**13800 MELLON AVE**		
Mailing Address (Street Address 2)			
City **Detroit**	State/Province **MI**	Country **USA**	Zip Code **48217**
E-Mail Address (if available)	**mperko@edwclevy.net**		
Telephone Number	**(313) 8204057**	Telephone Extension	
Fax Number	**()**		

EMISSION INVENTORY CONTACT (SECONDARY) INFORMATION			
Contact First Name, Middle Initial	**Thomas**	Contact Last Name	**Green**
Contact Title	**Director of EHS**		
Mailing Address (Street Address 1)	**51445 W. 12 Mile Road**		
Mailing Address (Street Address 2)			
City **Wixom**	State/Province **MI**	Country **USA**	Zip Code **48393**
E-Mail Address (if available)	**tgreen@edwclevy.net**		
Telephone Number	**(313) 6900139**	Telephone Extension	
Fax Number	**(248) 3499007**		

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Contact Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE			
Form Type	**Contact**	AQD Source ID (SRN)	**B4243**

FEE INVOICE CONTACT INFORMATION (Fee Subject Facilities Only)			
Contact First Name, Middle Initial	**Thomas**	Contact Last Name	**Green**
Contact Title	**Director of EHS**		
Mailing Address (Street Address 1)	**51445 W. 12 Mile Road**		
Mailing Address (Street Address 2)			
City **Wixom**	State/Province **MI**	Country **USA**	Zip Code **48393**
E-Mail Address (if available)	**aramsdell@edwclevy.net**		
Telephone Number	**(313) 6900139**	Telephone Extension	
Fax Number	**(248) 3499007**		

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emission Unit Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE

Form Type	**Emission Unit**	AQD Source ID (SRN)	**B4243**

EMISSION UNIT IDENTIFICATION

AQD Emission Unit ID	**EU0001**	EU ID	**EULEVYPLANT6**
NAICS Code (if different from Source Form)	**327992**		
Installation Date MM/DD/YYYY	**07/01/1997**	Dismantle Date MM/DD/YYYY	
Emission Unit Description - (Include Process Equipment and Control Devices)	**Processing equipment associated with Levy Plant 6, including a grizzly feeder, seven conveyors, two screens and a crusher. Equipped with water spray system for air pollution control. It does not include equipment associated with EUCONVEYORSYSTEM and EUDEISTERSCREEN.**		
Emission Unit Type	**Other process equipment**		
Is this a combustion source?	**N**		
Is this combustion source used to generate electricity?			
Design Capacity	Design Capacity Numerator	Design Capacity Denominator	
Maximum Nameplate Capacity		Megawatts	

RULE 201 APPLICABILITY

Grandfathered?	**N**		
Exempt from Rule 201?	**N**	If Yes, Rule Number	
If Rule 201 Exempt, Is Throughput Below Reporting Thresholds?			
Permit?	**Y**	If Yes, Enter the Permit Number	**MI-ROP-B4243-2009**
Is This Emission Unit Required To Report Emissions To MAERS For This Reporting Year?	**Y**		

CONTROL DEVICE(S)

21. Control Device Code	**DUST SUP**

EMISSION UNIT STACK(S)

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emission Unit Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE			
Form Type	**Emission Unit**	AQD Source ID (SRN)	**B4243**

EMISSION UNIT IDENTIFICATION			
AQD Emission Unit ID	**EU0005**	EU ID	**EUCONVEYORSYSTEM**
NAICS Code (if different from Source Form)			
Installation Date MM/DD/YYYY	**09/19/2006**	Dismantle Date MM/DD/YYYY	
Emission Unit Description - (Include Process Equipment and Control Devices)	**Five conveyors, located downstream of the Deister Screen (EUDEISTERSCREEN)), designed to transfer slag and related materials to finished product stockpiles. Equipped with water spray system for air pollution control. Additional conveyors located downstream of the Deister Screen are not part of this emission unit.**		
Emission Unit Type	**Conveyor**		
Is this a combustion source?	**N**		
Is this combustion source used to generate electricity?			
Design Capacity	Design Capacity Numerator	Design Capacity Denominator	
Maximum Nameplate Capacity		Megawatts	

RULE 201 APPLICABILITY

Grandfathered?	**N**		
Exempt from Rule 201?	**N**	If Yes, Rule Number	
If Rule 201 Exempt, Is Throughput Below Reporting Thresholds?			
Permit?	**Y**	If Yes, Enter the Permit Number	**MI-ROP-B4243-2009**
Is This Emission Unit Required To Report Emissions To MAERS For This Reporting Year?	**Y**		

CONTROL DEVICE(S)

21. Control Device Code	**DUST SUP**

EMISSION UNIT STACK(S)

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emission Unit Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE			
Form Type	**Emission Unit**	AQD Source ID (SRN)	**B4243**

EMISSION UNIT IDENTIFICATION			
AQD Emission Unit ID	**EU0006**	EU ID	**EUDEISTERSCREEN**
NAICS Code (if different from Source Form)			
Installation Date MM/DD/YYYY	**04/17/1995**	Dismantle Date MM/DD/YYYY	
Emission Unit Description - (Include Process Equipment and Control Devices)	**A 350 ton per hour Deister Screen designed to separate slag and related materials into various finished product sizes. This emission unit includes seven conveyors and four knuckle conveyors all but one conveyor is located downstream of the screen. Equipped with water spray and adjustable stacker height mechanism for air pollution control.**		
Emission Unit Type	**Screen**		
Is this a combustion source?	**N**		
Is this combustion source used to generate electricity?			
Design Capacity	Design Capacity Numerator	Design Capacity Denominator	
Maximum Nameplate Capacity		Megawatts	

RULE 201 APPLICABILITY

Grandfathered?	**N**		
Exempt from Rule 201?	**N**	If Yes, Rule Number	
If Rule 201 Exempt, Is Throughput Below Reporting Thresholds?			
Permit?	**Y**	If Yes, Enter the Permit Number	**MI-ROP-B4243-2009**
Is This Emission Unit Required To Report Emissions To MAERS For This Reporting Year?	**Y**		

CONTROL DEVICE(S)

21. Control Device Code	**DUST SUP**

EMISSION UNIT STACK(S)

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emission Unit Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE			
Form Type	**Emission Unit**	AQD Source ID (SRN)	**B4243**

EMISSION UNIT IDENTIFICATION			
AQD Emission Unit ID	**EU0007**	EU ID	**EUBOFSLAGPIT**
NAICS Code (if different from Source Form)			
Installation Date MM/DD/YYYY	**04/17/1995**	Dismantle Date MM/DD/YYYY	
Emission Unit Description - (Include Process Equipment and Control Devices)	**Basic Oxygen Furnace (BOF) slag pits equipped with water spray system for air pollution control.**		
Emission Unit Type	**Unclassified**		
Is this a combustion source?	**N**		
Is this combustion source used to generate electricity?			
Design Capacity	Design Capacity Numerator	Design Capacity Denominator	
Maximum Nameplate Capacity	Megawatts		

RULE 201 APPLICABILITY

Grandfathered?	**N**		
Exempt from Rule 201?	**N**	If Yes, Rule Number	
If Rule 201 Exempt, Is Throughput Below Reporting Thresholds?			
Permit?	**Y**	If Yes, Enter the Permit Number	**MI-ROP-B4243-2009**
Is This Emission Unit Required To Report Emissions To MAERS For This Reporting Year?	**Y**		

CONTROL DEVICE(S)

21. Control Device Code **DUST SUP**

EMISSION UNIT STACK(S)

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emission Unit Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE			
Form Type	**Emission Unit**	AQD Source ID (SRN)	**B4243**

EMISSION UNIT IDENTIFICATION			
AQD Emission Unit ID	**EU0008**	EU ID	**EUCOLDCLEANERS**
NAICS Code (if different from Source Form)			
Installation Date MM/DD/YYYY	**07/01/1979**	Dismantle Date MM/DD/YYYY	
Emission Unit Description - (Include Process Equipment and Control Devices)	**Cold cleaners that meet the applicable requirements of R336.1281(h).**		
Emission Unit Type	**Degreaser**		
Is this a combustion source?	**N**		
Is this combustion source used to generate electricity?			
Design Capacity	Design Capacity Numerator	Design Capacity Denominator	
Maximum Nameplate Capacity	Megawatts		

RULE 201 APPLICABILITY

Grandfathered?	**N**		
Exempt from Rule 201?	**Y**	If Yes, Rule Number	**Rule 281(h)**
If Rule 201 Exempt, Is Throughput Below Reporting Thresholds?	**Y**		
Permit?	**Y**	If Yes, Enter the Permit Number	**MI-ROP-B4243-2009**
Is This Emission Unit Required To Report Emissions To MAERS For This Reporting Year?	**Y**		

CONTROL DEVICE(S)

EMISSION UNIT STACK(S)

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emission Unit Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE			
Form Type	**Emission Unit**	AQD Source ID (SRN)	**B4243**

EMISSION UNIT IDENTIFICATION			
AQD Emission Unit ID	**EU0009**	EU ID	**EUDROPBALLCRANE**
NAICS Code (if different from Source Form)			
Installation Date MM/DD/YYYY	**04/17/1995**	Dismantle Date MM/DD/YYYY	
Emission Unit Description - (Include Process Equipment and Control Devices)		**This process consists of dropping a large steel ball from a crane onto scrap steel to break it into small pieces to be reused by adjacent steel mill, SeverStal NA.**	
Emission Unit Type		**Other process equipment**	
Is this a combustion source?		**N**	
Is this combustion source used to generate electricity?			
Design Capacity		Design Capacity Numerator	Design Capacity Denominator
Maximum Nameplate Capacity			Megawatts

RULE 201 APPLICABILITY

Grandfathered?	**N**		
Exempt from Rule 201?	**Y**	If Yes, Rule Number	**Rule 290**
If Rule 201 Exempt, Is Throughput Below Reporting Thresholds?		**Y**	
Permit?	**Y**	If Yes, Enter the Permit Number	**MI-ROP-B4243-2009**
Is This Emission Unit Required To Report Emissions To MAERS For This Reporting Year?		**Y**	

CONTROL DEVICE(S)

EMISSION UNIT STACK(S)

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emission Unit Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE			
Form Type	**Emission Unit**	AQD Source ID (SRN)	**B4243**

EMISSION UNIT IDENTIFICATION			
AQD Emission Unit ID	**EU0010**	EU ID	**EUPROCESS#2**
NAICS Code (if different from Source Form)			
Installation Date MM/DD/YYYY	**05/11/2004**	Dismantle Date MM/DD/YYYY	
Emission Unit Description - (Include Process Equipment and Control Devices)	**1-100 tons per hour hopper and 1-100 tons per hour conveyor used for recycling slag materials back into the screening portion of the existing slag processing plant.**		
Emission Unit Type	**Conveyor**		
Is this a combustion source?	**N**		
Is this combustion source used to generate electricity?			
Design Capacity	Design Capacity Numerator	Design Capacity Denominator	
Maximum Nameplate Capacity		Megawatts	

RULE 201 APPLICABILITY			
Grandfathered?	**N**		
Exempt from Rule 201?	**Y**	If Yes, Rule Number	**Rule 290**
If Rule 201 Exempt, Is Throughput Below Reporting Thresholds?	**Y**		
Permit?	**Y**	If Yes, Enter the Permit Number	**MI-ROP-B4243-2009**
Is This Emission Unit Required To Report Emissions To MAERS For This Reporting Year?	**Y**		

CONTROL DEVICE(S)

EMISSION UNIT STACK(S)

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emission Unit Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE			
Form Type	**Emission Unit**	AQD Source ID (SRN)	**B4243**

EMISSION UNIT IDENTIFICATION			
AQD Emission Unit ID	**EU0011**	EU ID	**EUUNPAVEDROADS**
NAICS Code (if different from Source Form)			
Installation Date MM/DD/YYYY	**01/01/1971**	Dismantle Date MM/DD/YYYY	
Emission Unit Description - (Include Process Equipment and Control Devices)	**Unpaved roadways**		
Emission Unit Type	**Other fugitive**		
Is this a combustion source?	**N**		
Is this combustion source used to generate electricity?			
Design Capacity	Design Capacity Numerator	Design Capacity Denominator	
Maximum Nameplate Capacity	Megawatts		

RULE 201 APPLICABILITY

Grandfathered?	**N**		
Exempt from Rule 201?	**N**	If Yes, Rule Number	
If Rule 201 Exempt, Is Throughput Below Reporting Thresholds?			
Permit?	**Y**	If Yes, Enter the Permit Number	**MI-ROP-B4243-2016**
Is This Emission Unit Required To Report Emissions To MAERS For This Reporting Year?	**Y**		

CONTROL DEVICE(S)

21. Control Device Code	**DUST SUP**

EMISSION UNIT STACK(S)

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emission Unit Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE

Form Type	**Emission Unit**	AQD Source ID (SRN)	**B4243**

EMISSION UNIT IDENTIFICATION

AQD Emission Unit ID	**EU0012**	EU ID	**EUSTOCKPILES**
NAICS Code (if different from Source Form)			
Installation Date MM/DD/YYYY	**01/01/1971**	Dismantle Date MM/DD/YYYY	
Emission Unit Description - (Include Process Equipment and Control Devices)	**Slag Stockpiles**		
Emission Unit Type	**Open Storage Pile**		
Is this a combustion source?	**N**		
Is this combustion source used to generate electricity?			

Design Capacity	Design Capacity Numerator	Design Capacity Denominator

Maximum Nameplate Capacity — Megawatts

RULE 201 APPLICABILITY

Grandfathered?	**N**		
Exempt from Rule 201?	**N**	If Yes, Rule Number	
If Rule 201 Exempt, Is Throughput Below Reporting Thresholds?			
Permit?	**Y**	If Yes, Enter the Permit Number	**MI-ROP-B4243-2009**
Is This Emission Unit Required To Report Emissions To MAERS For This Reporting Year?	**Y**		

CONTROL DEVICE(S)

21. Control Device Code **DUST SUP**

EMISSION UNIT STACK(S)

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emission Unit Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE			
Form Type	**Emission Unit**	AQD Source ID (SRN)	**B4243**

EMISSION UNIT IDENTIFICATION			
AQD Emission Unit ID	**EU0013**	EU ID	**EUBULKLOADING**
NAICS Code (if different from Source Form)			
Installation Date MM/DD/YYYY	**01/01/1971**	Dismantle Date MM/DD/YYYY	
Emission Unit Description - (Include Process Equipment and Control Devices)	**Slag bulk loading**		
Emission Unit Type	**Other fugitive**		
Is this a combustion source?	**N**		
Is this combustion source used to generate electricity?			
Design Capacity	Design Capacity Numerator	Design Capacity Denominator	
Maximum Nameplate Capacity	Megawatts		

RULE 201 APPLICABILITY

Grandfathered?	**N**		
Exempt from Rule 201?	**N**	If Yes, Rule Number	
If Rule 201 Exempt, Is Throughput Below Reporting Thresholds?			
Permit?	**Y**	If Yes, Enter the Permit Number	**MI-ROP-B4243-2009**
Is This Emission Unit Required To Report Emissions To MAERS For This Reporting Year?	**Y**		

CONTROL DEVICE(S)

21. Control Device Code **DUST SUP**

EMISSION UNIT STACK(S)

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emission Unit Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE			
Form Type	**Emission Unit**	AQD Source ID (SRN)	**B4243**

EMISSION UNIT IDENTIFICATION			
AQD Emission Unit ID	**EU0014**	EU ID	**EURICE-Crusher**
NAICS Code (if different from Source Form)	**327992**		
Installation Date MM/DD/YYYY	**03/12/2019**	Dismantle Date MM/DD/YYYY	
Emission Unit Description - (Include Process Equipment and Control Devices)	**RICE Engine for Portable Crusher**		
Emission Unit Type	**Reciprocating IC Engine**		
Is this a combustion source?	**Y**		
Is this combustion source used to generate electricity?	**N**		
Design Capacity **300**	Design Capacity Numerator **HP**	Design Capacity Denominator	
Maximum Nameplate Capacity		Megawatts	

RULE 201 APPLICABILITY

Grandfathered?	**N**		
Exempt from Rule 201?	**Y**	If Yes, Rule Number	**Rule 285(g)**
If Rule 201 Exempt, Is Throughput Below Reporting Thresholds?	**Y**		
Permit?	**N**	If Yes, Enter the Permit Number	
Is This Emission Unit Required To Report Emissions To MAERS For This Reporting Year?	**Y**		

CONTROL DEVICE(S)

EMISSION UNIT STACK(S)

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emission Unit Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE			
Form Type	**Emission Unit**	AQD Source ID (SRN)	**B4243**

EMISSION UNIT IDENTIFICATION			
AQD Emission Unit ID	**EU0015**	EU ID	**EUPAVEDROADS**
NAICS Code (if different from Source Form)			
Installation Date MM/DD/YYYY	**01/01/1971**	Dismantle Date MM/DD/YYYY	
Emission Unit Description - (Include Process Equipment and Control Devices)	**Paved roadways**		
Emission Unit Type	**Other fugitive**		
Is this a combustion source?	**N**		
Is this combustion source used to generate electricity?			
Design Capacity	Design Capacity Numerator	Design Capacity Denominator	
Maximum Nameplate Capacity		Megawatts	

RULE 201 APPLICABILITY

Grandfathered?	**N**		
Exempt from Rule 201?	**N**	If Yes, Rule Number	
If Rule 201 Exempt, Is Throughput Below Reporting Thresholds?			
Permit?	**Y**	If Yes, Enter the Permit Number	**MI-ROP-B4243-2016**
Is This Emission Unit Required To Report Emissions To MAERS For This Reporting Year?	**Y**		

CONTROL DEVICE(S)

21. Control Device Code **DUST SUP**

EMISSION UNIT STACK(S)

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Reporting Group Form

Authorized under 1994 P.A. 451, as amended. Completion of this form is optional.

FORM REFERENCE			
Form Type	**Reporting Group**	AQD Source ID (SRN)	**B4243**

REPORTING GROUP IDENTIFICATION			
AQD Reporting Group ID	**RG0002**	Reporting Group ID	**RGRULE290**
Reporting Group Description	**New and existing emission units that meet R336.1290 exempt criteria.**		

REPORTING GROUP EMISSION UNITS	
7. Emission Unit ID	**EUDROPBALLCRANE**
7. Emission Unit ID	**EUPROCESS#2**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Reporting Group Form

Authorized under 1994 P.A. 451, as amended. Completion of this form is optional.

FORM REFERENCE			
Form Type	**Reporting Group**	AQD Source ID (SRN)	**B4243**

REPORTING GROUP IDENTIFICATION			
AQD Reporting Group ID	**RG0004**	Reporting Group ID	**RGFACILITY**
Reporting Group Description	**Facility emissions for roadways, bulk loading, slag pit and stockpiles.**		

REPORTING GROUP EMISSION UNITS	
7. Emission Unit ID	**EUBULKLOADING**
7. Emission Unit ID	**EUBOFSLAGPIT**
7. Emission Unit ID	**EUSTOCKPILES**
7. Emission Unit ID	**EUUNPAVEDROADS**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Activity Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE					
Form Type	**Activity**	AQD Source ID (SRN)	**B4243**	EU ID	**EULEVYPLANT6**

ACTIVITY INFORMATION			
Source Classification Code(SCC)	**30502503**		
SCC Comment	**Conveying**		
SEASONAL MATERIAL USAGE SCHEDULE, IF THROUGHPUT IS > 0, THEN SEASONAL PERCENTAGES MUST TOTAL 100%			
Winter (Jan,Feb, Dec)	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)
18	**29**	**20**	**33**
OPERATING SCHEDULE			
Hours per Day	Days per Week	Days per Year	
8	**5**	**220**	
MATERIAL INFORMATION			
Material Code	Material Throughput	Unit Code	
SAND & GRAVL	**450704**	**TON**	
Material Description	**STEEL FURNACE SLAG**		
VOC Content (coatings or solvent)	**% by Weight**	Density	
BTUs (fuel)			
Sulfur Content (fuel) **% by Weight**		Ash Content (fuel) **% by Weight**	

ATTACHMENT:

Document Name: **EULEVYPLANT6 EF Justification** File Name: **2019 EF - EULEVYPLANT6.pdf**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Activity Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE					
Form Type	**Activity**	AQD Source ID (SRN)	**B4243**	EU ID	**EULEVYPLANT6**

ACTIVITY INFORMATION			
Source Classification Code(SCC)	**30502511**		
SCC Comment	**Screening**		
SEASONAL MATERIAL USAGE SCHEDULE, IF THROUGHPUT IS > 0, THEN SEASONAL PERCENTAGES MUST TOTAL 100%			
Winter (Jan,Feb, Dec)	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)
18	**29**	**20**	**33**
OPERATING SCHEDULE			
Hours per Day	Days per Week	Days per Year	
8	**5**	**220**	
MATERIAL INFORMATION			
Material Code	Material Throughput	Unit Code	
SAND & GRAVL	**450704**	**TON**	
Material Description	**STEEL FURNACE SLAG**		
VOC Content (coatings or solvent)	**% by Weight**	Density	
BTUs (fuel)			
Sulfur Content (fuel) **% by Weight**		Ash Content (fuel) **% by Weight**	

ATTACHMENT:

Document Name: **EULEVYPLANT6 EF Justification** File Name: **2019 EF - EULEVYPLANT6.pdf**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Activity Form

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FORM REFERENCE					
Form Type	**Activity**	AQD Source ID (SRN)	**B4243**	EU ID	**EULEVYPLANT6**

ACTIVITY INFORMATION			
Source Classification Code(SCC)	**30502510**		
SCC Comment	**CRUSHING**		
SEASONAL MATERIAL USAGE SCHEDULE, IF THROUGHPUT IS > 0, THEN SEASONAL PERCENTAGES MUST TOTAL 100%			
Winter (Jan,Feb, Dec)	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)
18	**29**	**20**	**33**
OPERATING SCHEDULE			
Hours per Day	Days per Week	Days per Year	
8	**5**	**220**	
MATERIAL INFORMATION			
Material Code	Material Throughput	Unit Code	
SAND & GRAVL	**450704**	**TON**	
Material Description	**STEEL FURNACE SLAG**		
VOC Content (coatings or solvent)	**% by Weight**	Density	
BTUs (fuel)			
Sulfur Content (fuel) **% by Weight**		Ash Content (fuel) **% by Weight**	

ATTACHMENT:

Document Name: **EULEVYPLANT6 EF Justification** File Name: **2019 EF - EULEVYPLANT6.pdf**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Activity Form

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FORM REFERENCE					
Form Type	**Activity**	AQD Source ID (SRN)	**B4243**	EU ID	**EUCONVEYORSYSTEM**

ACTIVITY INFORMATION			
Source Classification Code(SCC)	**30502503**		
SCC Comment	**Conveyor System**		
SEASONAL MATERIAL USAGE SCHEDULE, IF THROUGHPUT IS > 0, THEN SEASONAL PERCENTAGES MUST TOTAL 100%			
Winter (Jan,Feb, Dec)	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)
18	**29**	**20**	**33**
OPERATING SCHEDULE			
Hours per Day	Days per Week	Days per Year	
8	**5**	**220**	
MATERIAL INFORMATION			
Material Code	Material Throughput	Unit Code	
SAND & GRAVL	**233038**	**TON**	
Material Description	**STEEL FURNACE SLAG**		
VOC Content (coatings or solvent)	**% by Weight**	Density	
BTUs (fuel)			
Sulfur Content (fuel) **% by Weight**		Ash Content (fuel) **% by Weight**	

ATTACHMENT:

Document Name: **EUCONVEYORSYS EF Justification**

File Name: **2019 EF - EUCONVEYORSYS.pdf**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Activity Form

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FORM REFERENCE					
Form Type	**Activity**	AQD Source ID (SRN)	**B4243**	EU ID	**EUDEISTERSCREEN**

ACTIVITY INFORMATION			
Source Classification Code(SCC)	**30502511**		
SCC Comment	**Screen**		
SEASONAL MATERIAL USAGE SCHEDULE, IF THROUGHPUT IS > 0, THEN SEASONAL PERCENTAGES MUST TOTAL 100%			
Winter (Jan,Feb, Dec)	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)
18	**29**	**20**	**33**
OPERATING SCHEDULE			
Hours per Day	Days per Week	Days per Year	
8	**5**	**220**	
MATERIAL INFORMATION			
Material Code	Material Throughput	Unit Code	
SAND & GRAVL	**233038**	**TON**	
Material Description	**STEEL FURNACE SLAG**		
VOC Content (coatings or solvent)	**% by Weight**	Density	
BTUs (fuel)			
Sulfur Content (fuel) **% by Weight**		Ash Content (fuel) **% by Weight**	

ATTACHMENT:

Document Name: **EUDEISTERSCREEN EF Justification**

File Name: **2019 EF - EUDEISTERSCREEN.pdf**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Activity Form

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FORM REFERENCE					
Form Type	**Activity**	AQD Source ID (SRN)	**B4243**	EU ID	**EUDEISTERSCREEN**

ACTIVITY INFORMATION			
Source Classification Code(SCC)	**30502503**		
SCC Comment	**Conveying**		
SEASONAL MATERIAL USAGE SCHEDULE, IF THROUGHPUT IS > 0, THEN SEASONAL PERCENTAGES MUST TOTAL 100%			
Winter (Jan,Feb, Dec)	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)
18	**29**	**20**	**33**
OPERATING SCHEDULE			
Hours per Day	Days per Week	Days per Year	
8	**5**	**220**	
MATERIAL INFORMATION			
Material Code	Material Throughput	Unit Code	
SAND & GRAVL	**233038**	**TON**	
Material Description	**STEEL FURNACE SLAG**		
VOC Content (coatings or solvent)	**% by Weight**	Density	
BTUs (fuel)			
Sulfur Content (fuel) **% by Weight**		Ash Content (fuel) **% by Weight**	

ATTACHMENT:

Document Name: **EUDEISTERSCREEN EF Justification**

File Name: **2019 EF - EUDEISTERSCREEN.pdf**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Activity Form

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FORM REFERENCE					
Form Type	**Activity**	AQD Source ID (SRN)	**B4243**	EU ID	**EUCOLDCLEANERS**

ACTIVITY INFORMATION			
Source Classification Code(SCC)	**49099998**		
SCC Comment	**Parts Washing**		
SEASONAL MATERIAL USAGE SCHEDULE, IF THROUGHPUT IS > 0, THEN SEASONAL PERCENTAGES MUST TOTAL 100%			
Winter (Jan,Feb, Dec)	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)
25	**25**	**25**	**25**
OPERATING SCHEDULE			
Hours per Day	Days per Week	Days per Year	
8	**5**	**220**	
MATERIAL INFORMATION			
Material Code	Material Throughput	Unit Code	
SOLVENTS	**140**	**GAL**	
Material Description	**TRIMETHYL BENZENE**		
VOC Content (coatings or solvent)	**3 % by Weight**	Density	**1 LB/FT3**
BTUs (fuel)			
Sulfur Content (fuel)	**% by Weight**	Ash Content (fuel)	**% by Weight**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Activity Form

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FORM REFERENCE					
Form Type	**Activity**	AQD Source ID (SRN)	**B4243**	EU ID	**RGRULE290**

ACTIVITY INFORMATION			
Source Classification Code(SCC)	**30502503**		
SCC Comment	**EUPROCESS#2**		
SEASONAL MATERIAL USAGE SCHEDULE, IF THROUGHPUT IS > 0, THEN SEASONAL PERCENTAGES MUST TOTAL 100%			
Winter (Jan,Feb, Dec)	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)
18	**29**	**20**	**33**
OPERATING SCHEDULE			
Hours per Day	Days per Week	Days per Year	
8	**5**	**220**	
MATERIAL INFORMATION			
Material Code	Material Throughput	Unit Code	
SAND & GRAVL	**6000**	**TON**	
Material Description	**STEEL FURNACE SLAG**		
VOC Content (coatings or solvent)	**% by Weight**	Density	
BTUs (fuel)			
Sulfur Content (fuel) **% by Weight**		Ash Content (fuel) **% by Weight**	

ATTACHMENT:

Document Name: **EUPROCESS#2 EF Justification** File Name: **2019 EF - EUPROCESSNo2.pdf**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Activity Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE					
Form Type	**Activity**	AQD Source ID (SRN)	**B4243**	EU ID	**RGRULE290**

ACTIVITY INFORMATION			
Source Classification Code(SCC)	**39999999**		
SCC Comment	**DROPBALL CRANE**		
SEASONAL MATERIAL USAGE SCHEDULE, IF THROUGHPUT IS > 0, THEN SEASONAL PERCENTAGES MUST TOTAL 100%			
Winter (Jan,Feb, Dec)	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)
28	**22**	**21**	**29**
OPERATING SCHEDULE			
Hours per Day	Days per Week	Days per Year	
8	**5**	**220**	
MATERIAL INFORMATION			
Material Code	Material Throughput	Unit Code	
MATERIAL	**77754**	**TON**	
Material Description	**Miscellaneous scrap and slag**		
VOC Content (coatings or solvent)	**% by Weight**	Density	
BTUs (fuel)			
Sulfur Content (fuel) **% by Weight**		Ash Content (fuel) **% by Weight**	

ATTACHMENT:

Document Name: **EUDROPBALLCRANE Justification**

File Name: **2019 EF - EUDROPBALLCRANE.pdf**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Activity Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE					
Form Type	**Activity**	AQD Source ID (SRN)	**B4243**	EU ID	**RGFACILITY**

ACTIVITY INFORMATION			
Source Classification Code(SCC)	**30502506**		
SCC Comment	**Truck loading and Slag Pit**		
SEASONAL MATERIAL USAGE SCHEDULE, IF THROUGHPUT IS > 0, THEN SEASONAL PERCENTAGES MUST TOTAL 100%			
Winter (Jan,Feb, Dec)	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)
18	**29**	**20**	**33**
OPERATING SCHEDULE			
Hours per Day	Days per Week	Days per Year	
8	**5**	**220**	
MATERIAL INFORMATION			
Material Code	Material Throughput	Unit Code	
SAND & GRAVL	**456704**	**TON**	
Material Description	**STEEL FURNACE SLAG**		
VOC Content (coatings or solvent)	**% by Weight**	Density	
BTUs (fuel)			
Sulfur Content (fuel) **% by Weight**		Ash Content (fuel) **% by Weight**	

ATTACHMENT:

Document Name: **Bulk Loading Justification** File Name: **2019 EF - Bulk Loading.pdf**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Activity Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE					
Form Type	**Activity**	AQD Source ID (SRN)	**B4243**	EU ID	**RGFACILITY**

ACTIVITY INFORMATION			
Source Classification Code(SCC)	**30502505**		
SCC Comment	**Slag Stockpiles**		
SEASONAL MATERIAL USAGE SCHEDULE, IF THROUGHPUT IS > 0, THEN SEASONAL PERCENTAGES MUST TOTAL 100%			
Winter (Jan,Feb, Dec)	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)
18	**29**	**20**	**33**
OPERATING SCHEDULE			
Hours per Day	Days per Week	Days per Year	
8	**5**	**220**	
MATERIAL INFORMATION			
Material Code	Material Throughput	Unit Code	
SAND & GRAVL	**495284**	**TON**	
Material Description	**STEEL FURNACE SLAG**		
VOC Content (coatings or solvent)	**% by Weight**	Density	
BTUs (fuel)			
Sulfur Content (fuel) **% by Weight**		Ash Content (fuel) **% by Weight**	

ATTACHMENT:

Document Name: **Stockpile Justification** File Name: **2019 EF - Stockpiles.pdf**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Activity Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE					
Form Type	**Activity**	AQD Source ID (SRN)	**B4243**	EU ID	**RGFACILITY**

ACTIVITY INFORMATION			
Source Classification Code(SCC)	**30502504**		
SCC Comment	**UNPAVED ROADWAYS**		
SEASONAL MATERIAL USAGE SCHEDULE, IF THROUGHPUT IS > 0, THEN SEASONAL PERCENTAGES MUST TOTAL 100%			
Winter (Jan,Feb, Dec)	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)
18	**29**	**20**	**33**
OPERATING SCHEDULE			
Hours per Day	Days per Week	Days per Year	
8	**5**	**220**	
MATERIAL INFORMATION			
Material Code	Material Throughput	Unit Code	
DEVICE	**1733**	**MILE**	
Material Description	**STEEL FURNACE SLAG**		
VOC Content (coatings or solvent)	**% by Weight**	Density	
BTUs (fuel)			
Sulfur Content (fuel)	**% by Weight**	Ash Content (fuel)	**% by Weight**

ATTACHMENT:

Document Name: **Unpaved Roads Justification** File Name: **2019 EF - Unpaved Roads.pdf**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Activity Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE					
Form Type	**Activity**	AQD Source ID (SRN)	**B4243**	EU ID	**EURICE-Crusher**

ACTIVITY INFORMATION			
Source Classification Code(SCC)	**20300401**		
SCC Comment	**RICE Engine for Portable Crusher**		
SEASONAL MATERIAL USAGE SCHEDULE, IF THROUGHPUT IS > 0, THEN SEASONAL PERCENTAGES MUST TOTAL 100%			
Winter (Jan,Feb, Dec)	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)
0	**50**	**50**	**0**
OPERATING SCHEDULE			
Hours per Day	Days per Week	Days per Year	
8	**5**	**20**	
MATERIAL INFORMATION			
Material Code	Material Throughput	Unit Code	
DESCRIBE Material	**700**	**EACH-YR**	
Material Description	**Gallons of diesel fuel**		
VOC Content (coatings or solvent)	**% by Weight**	Density	
BTUs (fuel)			
Sulfur Content (fuel)	**% by Weight**	Ash Content (fuel)	**% by Weight**

ATTACHMENT:

Document Name: **RICE MACT EF Justification** File Name: **2019 EF - FGRICEMACT.pdf**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Activity Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE					
Form Type	**Activity**	AQD Source ID (SRN)	**B4243**	EU ID	**EUPAVEDROADS**

ACTIVITY INFORMATION			
Source Classification Code(SCC)	**30502504**		
SCC Comment	**HAULING ON PAVED ROADS**		
SEASONAL MATERIAL USAGE SCHEDULE, IF THROUGHPUT IS > 0, THEN SEASONAL PERCENTAGES MUST TOTAL 100%			
Winter (Jan,Feb, Dec)	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)
18	**29**	**20**	**33**
OPERATING SCHEDULE			
Hours per Day	Days per Week	Days per Year	
8	**5**	**220**	
MATERIAL INFORMATION			
Material Code	Material Throughput	Unit Code	
DEVICE	**3513**	**MILE**	
Material Description	**STEEL FURNACE SLAG**		
VOC Content (coatings or solvent)	**% by Weight**	Density	
BTUs (fuel)			
Sulfur Content (fuel)	**% by Weight**	Ash Content (fuel)	**% by Weight**

ATTACHMENT:

Document Name: **Paved Roads Justification** File Name: **2019 EF - Paved Roads.pdf**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emissions Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE					
Form Type	**Emissions**	AQD Source ID (SRN)	**B4243**	EU ID	**EULEVYPLANT6**
SCC	**30502503**	Material Code	**SAND & GRAVL**		

EMISSION INFORMATION			
Pollutant Code	**PM10,FLTRBLE**	Annual Emissions	**105 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**4.60**	Exponent	**-5**
Emission Factor Unit Code	**LB / TON**	Control Efficiency	**%**
Comment			

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emissions Form

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FORM REFERENCE					
Form Type	**Emissions**	AQD Source ID (SRN)	**B4243**	EU ID	**EULEVYPLANT6**
SCC	**30502511**	Material Code	**SAND & GRAVL**		

EMISSION INFORMATION			
Pollutant Code	**PM10,FLTRBLE**	Annual Emissions	**317 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**7.40**	Exponent	**-4**
Emission Factor Unit Code	**LB / TON**	Control Efficiency	**%**
Comment			

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emissions Form

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FORM REFERENCE					
Form Type	**Emissions**	AQD Source ID (SRN)	**B4243**	EU ID	**EULEVYPLANT6**
SCC	**30502510**	Material Code	**SAND & GRAVL**		

EMISSION INFORMATION			
Pollutant Code	**PM10,FLTRBLE**	Annual Emissions	**152 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**5.40**	Exponent	**-4**
Emission Factor Unit Code	**LB / TON**	Control Efficiency	**%**
Comment			

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emissions Form

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FORM REFERENCE					
Form Type	**Emissions**	AQD Source ID (SRN)	**B4243**	EU ID	**EUCONVEYORSYSTEM**
SCC	**30502503**	Material Code	**SAND & GRAVL**		

EMISSION INFORMATION			
Pollutant Code	**PM10,FLTRBLE**	Annual Emissions	**34 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**4.60**	Exponent	**-5**
Emission Factor Unit Code	**LB / TON**	Control Efficiency	**%**
Comment			

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emissions Form

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FORM REFERENCE					
Form Type	**Emissions**	AQD Source ID (SRN)	**B4243**	EU ID	**EUDEISTERSCREEN**
SCC	**30502511**	Material Code	**SAND & GRAVL**		

EMISSION INFORMATION			
Pollutant Code	**PM10,FLTRBLE**	Annual Emissions	**49 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**7.40**	Exponent	**-4**
Emission Factor Unit Code	**LB / TON**	Control Efficiency	**%**
Comment			

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emissions Form

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FORM REFERENCE					
Form Type	**Emissions**	AQD Source ID (SRN)	**B4243**	EU ID	**EUDEISTERSCREEN**
SCC	**30502503**	Material Code	**SAND & GRAVL**		

EMISSION INFORMATION			
Pollutant Code	**PM10,FLTRBLE**	Annual Emissions	**172 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**4.60**	Exponent	**-5**
Emission Factor Unit Code	**LB / TON**	Control Efficiency	**%**
Comment			

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emissions Form

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FORM REFERENCE					
Form Type	**Emissions**	AQD Source ID (SRN)	**B4243**	EU ID	**EUCOLDCLEANERS**
SCC	**49099998**	Material Code	**SOLVENTS**		

EMISSION INFORMATION			
Pollutant Code	**VOC**	Annual Emissions	**28 LB**
Emission Basis	**MAERS EF**		
List Emission Factor	**7.36**	Exponent	**0**
Emission Factor Unit Code	**LB / GAL-V%**	Control Efficiency	**%**
Comment			

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emissions Form

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FORM REFERENCE					
Form Type	**Emissions**	AQD Source ID (SRN)	**B4243**	EU ID	**RGRULE290**
SCC	**30502503**	Material Code	**SAND & GRAVL**		

EMISSION INFORMATION			
Pollutant Code	**PM10,FLTRBLE**	Annual Emissions	**1 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**4.60**	Exponent	**-5**
Emission Factor Unit Code	**LB / TON**	Control Efficiency	**%**
Comment			

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emissions Form

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FORM REFERENCE					
Form Type	**Emissions**	AQD Source ID (SRN)	**B4243**	EU ID	**RGRULE290**
SCC	**39999999**	Material Code	**MATERIAL**		

EMISSION INFORMATION			
Pollutant Code	**PM10,FLTRBLE**	Annual Emissions	**7778**
Emission Basis	**Other**		
List Emission Factor	**1.00**	Exponent	**-1**
Emission Factor Unit Code		Control Efficiency	**%**
Comment			

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emissions Form

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FORM REFERENCE					
Form Type	**Emissions**	AQD Source ID (SRN)	**B4243**	EU ID	**RGFACILITY**
SCC	**30502506**	Material Code	**SAND & GRAVL**		

EMISSION INFORMATION			
Pollutant Code	**PM10,FLTRBLE**	Annual Emissions	**913 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**2.40**	Exponent	**-3**
Emission Factor Unit Code	**LB / TON**	Control Efficiency	**%**
Comment			

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emissions Form

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FORM REFERENCE					
Form Type	**Emissions**	AQD Source ID (SRN)	**B4243**	EU ID	**RGFACILITY**
SCC	**30502505**	Material Code	**SAND & GRAVL**		

EMISSION INFORMATION			
Pollutant Code	**PM10,FLTRBLE**	Annual Emissions	**991 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**2.00**	Exponent	**-4**
Emission Factor Unit Code	**LB / TON**	Control Efficiency	**%**
Comment			

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emissions Form

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FORM REFERENCE					
Form Type	**Emissions**	AQD Source ID (SRN)	**B4243**	EU ID	**RGFACILITY**
SCC	**30502504**	Material Code	**DEVICE**		

EMISSION INFORMATION			
Pollutant Code	**PM10,FLTRBLE**	Annual Emissions	**1006 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**2.90**	Exponent	**0**
Emission Factor Unit Code	**LB / MILE**	Control Efficiency	**80 %**
Comment			

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emissions Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE					
Form Type	**Emissions**	AQD Source ID (SRN)	**B4243**	EU ID	**EURICE-Crusher**
SCC	**20300401**	Material Code	**DESCRIBE Material**		

EMISSION INFORMATION			
Pollutant Code	**CO**	Annual Emissions	**242 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**3.50**	Exponent	**0**
Emission Factor Unit Code		Control Efficiency	**%**
Comment			

EMISSION INFORMATION			
Pollutant Code	**NOX**	Annual Emissions	**276 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**4.00**	Exponent	**0**
Emission Factor Unit Code		Control Efficiency	**%**
Comment			

EMISSION INFORMATION			
Pollutant Code	**PM10,FLTRBLE**	Annual Emissions	**14 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**0.20**	Exponent	**0**
Emission Factor Unit Code		Control Efficiency	**%**
Comment			

EMISSION INFORMATION			
Pollutant Code	**SO2**	Annual Emissions	**1 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**0.01**	Exponent	**0**
Emission Factor Unit Code		Control Efficiency	**%**
Comment			

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emissions Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE					
Form Type	**Emissions**	AQD Source ID (SRN)	**B4243**	EU ID	**EURICE-Crusher**
SCC	**20300401**	Material Code	**DESCRIBE Material**		

EMISSION INFORMATION			
Pollutant Code	**VOC**	Annual Emissions	**90 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**1.30**	Exponent	**0**
Emission Factor Unit Code		Control Efficiency	**%**
Comment			

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Emissions Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE					
Form Type	**Emissions**	AQD Source ID (SRN)	**B4243**	EU ID	**EUPAVEDROADS**
SCC	**30502504**	Material Code	**DEVICE**		

EMISSION INFORMATION			
Pollutant Code	**PM10,FLTRBLE**	Annual Emissions	**694 LB**
Emission Basis	**EPA EF**		
List Emission Factor	**1.23**	Exponent	**0**
Emission Factor Unit Code	**LB / MILE**	Control Efficiency	**84 %**
Comment			

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Preparer Form

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE			
Form Type	**Preparer**	AQD Source ID (SRN)	**B4243**

PREPARER'S INFORMATION			
Preparer's First Name, Middle Initial	**Matthew**	Preparer's Last Name	**Perko**
Preparer's Title	**Environmental Engineer**		
Mailing Address (Street Address 1)	**51445 W. Twelve Mile Road**		
Mailing Address (Street Address 2)			
City	**Wixom**	State/Province	**MI**
Country	**USA**	Zip Code	**48393**
E-Mail Address (if available)	**mperko@edwclevy.net**		
Telephone Number	**(313) 8204057**	Telephone Extension	
Fax Number	**()**		

PREPARER'S ID (only complete this area if you have more than one preparer)	
Preparer's Reporting Group or Emission Unit ID	**EULEVYPLANT6**
Preparer's Reporting Group or Emission Unit ID	**EUCONVEYORSYSTEM**
Preparer's Reporting Group or Emission Unit ID	**EUDEISTERSCREEN**
Preparer's Reporting Group or Emission Unit ID	**EUCOLDCLEANERS**
Preparer's Reporting Group or Emission Unit ID	**RGRULE290**
Preparer's Reporting Group or Emission Unit ID	**RGFACILITY**

Michigan Department of Environmental Quality - Air Quality Division

Michigan Air Emissions Reporting System (MAERS)

2019 Submittal Form

(Required Form)

Authorized under 1994 P.A. 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

FORM REFERENCE			
Form Type	**Submittal**	AQD Source ID (SRN)	**B4243**

SOURCE IDENTIFICATION					
Source Name	**EDW C LEVY CO PLANT 6**				
Mailing Address (Street Address 1)			**13800 MELLON AVE**		
Mailing Address (Street Address 2)					
County	**WAYNE**	City	**DETROIT**	Zip Code	**48217-**
Submittal Method	**Electronic**			Amended Submittal	

PRIMARY PREPARER'S AUTHORIZATION	
Based on information and belief formed after reasonable inquiry, the statements and information in this submittal are true, accurate, and complete.	
Primary Preparer	
Telephone Number	Telephone Extension
E-Mail Address (if available)	
Signature	Date

Certification Receipt:

- Submission ID:
- Submission Received Date:
- Certifier's (Primary Preparer) full name:
- Certifier's Address:
- Email Address:
- Certification Statement:
- Security Question:
- Answer to the security question: Encrypted on file
- PIN used: Encrypted on file
- Submitter's IP address:

Attachment Details:

Document Name	File Name	File Size	Description
Bulk Loading Justification	2019 EF - Bulk Loading.pdf	174363	Bulk Loading Justification
EUCONVEYORSYS EF Justification	2019 EF - EUCONVEYORSYS.pdf	184509	EUCONVEYORSYS EF Justification
EUDEISTERSCREEN EF Justification	2019 EF - EUDEISTERSCREEN.pdf	155889	EUDEISTERSCREEN EF Justification
EUDEISTERSCREEN EF Justification	2019 EF - EUDEISTERSCREEN.pdf	155889	EUDEISTERSCREEN EF Justification
EUDROPBALLCRANE Justification	2019 EF - EUDROPBALLCRANE.pdf	145383	EUDROPBALLCRANE Justification
EULEVYPLANT6 EF Justification	2019 EF - EULEVYPLANT6.pdf	177606	EULEVYPLANT6 EF Justification
EULEVYPLANT6 EF Justification	2019 EF - EULEVYPLANT6.pdf	177606	EULEVYPLANT6 EF Justification
EULEVYPLANT6 EF Justification	2019 EF - EULEVYPLANT6.pdf	177606	EULEVYPLANT6 EF Justification
EUPROCESS#2 EF Justification	2019 EF - EUPROCESSNo2.pdf	147630	EUPROCESS#2 EF Justification
Paved Roads Justification	2019 EF - Paved Roads.pdf	128687	Paved Roads Justification
RICE MACT EF Justification	2019 EF - FGRICEMACT.pdf	100835	RICE MACT EF Justification
Stockpile Justification	2019 EF - Stockpiles.pdf	174900	Stockpile Justification
Unpaved Roads Justification	2019 EF - Unpaved Roads.pdf	129368	Unpaved Roads Justification

EGLE

Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division
Michigan Air Emissions Reporting System (MAERS)

INVENTORY YEAR: 1. 2019

E-101 EMISSIONS

Authorized under 1994 PA 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

GENERAL INSTRUCTIONS: Refer to last year's MAERS forms or summary report for information previously submitted, and complete this form as applicable with additions or corrections as necessary. For more detailed instructions refer to the MAERS Paper Forms and Instructions Booklet. This MAERS form is used to report each activity's emissions for a **specific inventory year**. Enter the **specific inventory year** in field 1.

FORM REFERENCE

2. Form Type	3. AQD Source ID (SRN)	4. Emission Unit (EU) OR Reporting Group (RG) ID
E-101	B4243	EUSLAGSTACKERGEN

5. Source Classification Code (SCC)	6. Material Code
20300101	Diesel

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
CO	989.7 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
3.5	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 75 kw (100 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
NOX	113.1 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.4	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 75 kw (100 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
PM 10 FLTRBLE	5.7 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.02	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 75 kw (100 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
SO2	2.1 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.007	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 75 kw (100 hp) and estimated 1,720 hours run in 2019; Low Sulfur Diesel

EGLE

Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division
Michigan Air Emissions Reporting System (MAERS)

INVENTORY YEAR: 1. 2019

E-101 EMISSIONS

Authorized under 1994 PA 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

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FORM REFERENCE

2. Form Type	3. AQD Source ID (SRN)	4. Emission Unit (EU) OR Reporting Group (RG) ID
E-101	B4243	EUSLAGSTACKERGEN

5. Source Classification Code (SCC)	6. Material Code
20300101	Diesel

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
VOC	53.7 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.19	0	g/KW-hr	___.___ Weight Percent

11. Comment

EPA Emission Factor for Tier 4 RICE; 75 kw (100 hp) and estimated 1,720 hours run in 2019

EGLE

Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division
Michigan Air Emissions Reporting System (MAERS)

E-101 EMISSIONS

INVENTORY YEAR: 1. 2019

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FORM REFERENCE

2. Form Type	3. AQD Source ID (SRN)	4. Emission Unit (EU) OR Reporting Group (RG) ID
E-101	B4243	EUFEEDERMAGSEPARATORGEN

5. Source Classification Code (SCC)	6. Material Code
20300101	Diesel

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
CO	2120.7 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
5.0	0	g/KW-hr	___.___ Weight Percent

11. Comment: EPA Emission Factor for Tier 3 RICE; 112 kw (150 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
NOX	1696.6 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
4.0	0	g/KW-hr	___.___ Weight Percent

11. Comment: EPA Emission Factor for Tier 3 RICE; 112 kw (150 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
PM 10 FLTRBLE	127.2 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.3	0	g/KW-hr	___.___ Weight Percent

11. Comment: EPA Emission Factor for Tier 3 RICE; 112 kw (150 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
SO2	3.1 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.007	0	g/KW-hr	___.___ Weight Percent

11. Comment: EPA Emission Factor for Tier 3 RICE; 112 kw (150 hp) and estimated 1,720 hours run in 2019; Low Sulfur Diesel

EGLE

Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division
Michigan Air Emissions Reporting System (MAERS)

INVENTORY YEAR: 1. 2019

E-101 EMISSIONS

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FORM REFERENCE

2. Form Type	3. AQD Source ID (SRN)	4. Emission Unit (EU) OR Reporting Group (RG) ID
E-101	B4243	EUFEEDERMAGSEPARATORGEN

5. Source Classification Code (SCC)	6. Material Code
20300101	Diesel

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
VOC	637.2 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
1.5	0	g/KW-hr	. Weight Percent

11. Comment

EPA Emission Factor for Tier 3 RICE; 112 kw (150 hp) and estimated 1,720 hours run in 2019

EGLE

Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division
Michigan Air Emissions Reporting System (MAERS)

E-101 EMISSIONS

INVENTORY YEAR: 1. 2019

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FORM REFERENCE

2. Form Type	3. AQD Source ID (SRN)	4. Emission Unit (EU) OR Reporting Group (RG) ID
E-101	B4243	EULIGHTGENS

5. Source Classification Code (SCC)	6. Material Code
20300101	Diesel

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
CO	265.4 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
3.5	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 7 light units at 20 kw (27 hp) each and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
NOX	30.3 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.4	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 7 light units at 20 kw (27 hp) each and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
PM 10 FLTRBLE	1.5 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.02	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 7 light units at 20 kw (27 hp) each and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
SO2	0.6 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.007	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 7 light units at 20 kw (27 hp) each and estimated 1,720 hours run in 2019; low sulfur diesel

EGLE

Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division
Michigan Air Emissions Reporting System (MAERS)

INVENTORY YEAR: 1. 2019

E-101 EMISSIONS

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FORM REFERENCE

2. Form Type	3. AQD Source ID (SRN)	4. Emission Unit (EU) OR Reporting Group (RG) ID
E-101	B4243	EULIGHTGENS

5. Source Classification Code (SCC)	6. Material Code
20300101	Diesel

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
VOC	14.4 Pounds

8. Emission Basis **(Please check one)**: ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.19	0	g/KW-hr	Weight Percent

11. Comment

EPA Emission Factor for Tier 4 RICE; 7 light units at 20 kw (27 hp) each and estimated 1,720 hours run in 2019

EGLE

Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division
Michigan Air Emissions Reporting System (MAERS)

E-101 EMISSIONS

INVENTORY YEAR: 1. 2019

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FORM REFERENCE

2. Form Type	3. AQD Source ID (SRN)	4. Emission Unit (EU) OR Reporting Group (RG) ID
E-101	B4243	EUSLAGCONVEYGEN1

5. Source Classification Code (SCC)	6. Material Code
20300101	Diesel

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
CO	732.4 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
3.5	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 55 kw (74 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
NOX	83.7 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.4	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 55 kw (74 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
PM 10 FLTRBLE	4.2 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.02	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 55 kw (74 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
SO2	1.5 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.007	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 55 kw (74 hp) and estimated 1,720 hours run in 2019; Low Sulfur Diesel

EGLE

Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division
Michigan Air Emissions Reporting System (MAERS)

INVENTORY YEAR: 1. 2019

E-101 EMISSIONS

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FORM REFERENCE

2. Form Type	3. AQD Source ID (SRN)	4. Emission Unit (EU) OR Reporting Group (RG) ID
E-101	B4243	EUSLAGCONVEYGEN1

5. Source Classification Code (SCC)	6. Material Code
20300101	Diesel

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
VOC	39.8 Pounds

8. Emission Basis **(Please check one)**: ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.19	0	g/KW-hr	___.___ Weight Percent

11. Comment

EPA Emission Factor for Tier 4 RICE; 55 kw (74 hp) and estimated 1,720 hours run in 2019

EGLE

Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division
Michigan Air Emissions Reporting System (MAERS)

E-101 EMISSIONS

INVENTORY YEAR: 1. 2019

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FORM REFERENCE

2. Form Type	3. AQD Source ID (SRN)	4. Emission Unit (EU) OR Reporting Group (RG) ID
E-101	B4243	EUSLAGSCREENGEN

5. Source Classification Code (SCC)	6. Material Code
20300101	Diesel

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
CO	1098.5 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
3.5	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 83 kw (111 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
NOX	125.5 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.4	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 83 kw (111 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
PM 10 FLTRBLE	6.3 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.02	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 83 kw (111 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
SO2	2.3 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.007	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 83 kw (111 hp) and estimated 1,720 hours run in 2019; Low Sulfur Diesel

EGLE

Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division
Michigan Air Emissions Reporting System (MAERS)

INVENTORY YEAR: 1. 2019

E-101 EMISSIONS

Authorized under 1994 PA 451, as amended. Completion of information is required. Civil and/or criminal penalties possible for providing false information.

GENERAL INSTRUCTIONS: Refer to last year's MAERS forms or summary report for information previously submitted, and complete this form as applicable with additions or corrections as necessary. For more detailed instructions refer to the MAERS Paper Forms and Instructions Booklet. This MAERS form is used to report each activity's emissions for a **specific inventory year**. Enter the **specific inventory year** in field 1.

FORM REFERENCE

2. Form Type	3. AQD Source ID (SRN)	4. Emission Unit (EU) OR Reporting Group (RG) ID
E-101	B4243	EUSLAGSCREENGEN

5. Source Classification Code (SCC)	6. Material Code
20300101	Diesel

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
VOC	59.6 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.19	0	g/KW-hr	___ ___ ___.___ ___ Weight Percent

11. Comment

EPA Emission Factor for Tier 4 RICE; 83 kw (111 hp) and estimated 1,720 hours run in 2019

EGLE

Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division
Michigan Air Emissions Reporting System (MAERS)

E-101 EMISSIONS

INVENTORY YEAR: 1. 2019

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FORM REFERENCE

2. Form Type	3. AQD Source ID (SRN)	4. Emission Unit (EU) OR Reporting Group (RG) ID
E-101	B4243	EUFEEDERSTACKERGEN

5. Source Classification Code (SCC)	6. Material Code
20300101	Diesel

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
CO	989.7 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
3.5	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 75 kw (100 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
NOX	113.1 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.4	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 75 kw (100 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
PM 10 FLTRBLE	5.7 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.02	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 75 kw (100 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
SO2	2.1 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.007	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 75 kw (100 hp) and estimated 1,720 hours run in 2019; Low Sulfur Diesel

EGLE

Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division
Michigan Air Emissions Reporting System (MAERS)

INVENTORY YEAR: 1. 2019

E-101 EMISSIONS

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FORM REFERENCE

2. Form Type	3. AQD Source ID (SRN)	4. Emission Unit (EU) OR Reporting Group (RG) ID
E-101	B4243	EUFEEDERSTACKERGEN

5. Source Classification Code (SCC)	6. Material Code
20300101	Diesel

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
VOC	53.7 Pounds

8. Emission Basis **(Please check one)**: ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.19	0	g/KW-hr	. Weight Percent

11. Comment

EPA Emission Factor for Tier 4 RICE; 75 kw (100 hp) and estimated 1,720 hours run in 2019

EGLE

Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division
Michigan Air Emissions Reporting System (MAERS)

E-101 EMISSIONS

INVENTORY YEAR: 1. 2019

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FORM REFERENCE

2. Form Type	3. AQD Source ID (SRN)	4. Emission Unit (EU) OR Reporting Group (RG) ID
E-101	B4243	EUSLAGCONVEYGEN2

5. Source Classification Code (SCC)	6. Material Code
20300101	Diesel

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
CO	732.4 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
3.5	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 55 kw (74 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
NOX	83.7 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.4	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 55 kw (74 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
PM 10 FLTRBLE	4.2 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.02	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 55 kw (74 hp) and estimated 1,720 hours run in 2019

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
SO2	1.5 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.007	0	g/KW-hr	Weight Percent

11. Comment: EPA Emission Factor for Tier 4 RICE; 55 kw (74 hp) and estimated 1,720 hours run in 2019; Low Sulfur Diesel

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Michigan Department of Environment, Great Lakes, and Energy - Air Quality Division
Michigan Air Emissions Reporting System (MAERS)

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FORM REFERENCE

2. Form Type	3. AQD Source ID (SRN)	4. Emission Unit (EU) OR Reporting Group (RG) ID
E-101	B4243	EUSLAGCONVEYGEN2

5. Source Classification Code (SCC)	6. Material Code
20300101	Diesel

EMISSION INFORMATION

☐ Change ☐ Add ☐ Delete

7A. Pollutant Code	7B. Annual Emissions
VOC	39.8 Pounds

8. Emission Basis (Please check one): ☐ CEM ☐ Stack Test ☐ PEM ☐ Mass Balance ☐ Tank Model ☐ Landfill Model ☐ MAERS Emission Factor ☒ Other (Attach Description)

9A. List Emission Factor	9B. Exponent	9C. Emission Factor Unit Code	10. Control Efficiency
0.19	0	g/KW-hr	___ ___ ___.___ ___ Weight Percent

11. Comment

EPA Emission Factor for Tier 4 RICE; 55 kw (74 hp) and estimated 1,720 hours run in 2019