PLANNING COMMISSION MEETING AGENDA

City Council Chambers – 7:00 P.M.
611 E. Grand River, Howell, MI 48843

Visit the City of Howell website at www.CityofHowell.org
or download the My Howell MI app

Wednesday, June 18, 2025

COUNCIL - MANAGER GOVERNMENT

Commission members and other officials normally in attendance:

1. Robert Ellis
   Mayor
2. Kathleen Kline-Hudson
   Chairperson
3. Maryanne Vukonich
   Vice Chairperson
4. Jan Lobur
   Commission Member/ Council Liaison
5. James Davis
   Commission Member
6. Jon Hougaboom
   Commission Member
7. Jeff Schuett
   Commission Member

Kristi Troy
Planning and Zoning Administrator

Paul Montagno
CWA Planning Consultant

1. Call to Order
2. Approval of Minutes
   A. Minutes of April 09, 2025
3. Call to the Public
4. Correspondence
5. Public Hearing(s)
   A. 645 Lucy Road
6. Items for Consideration
   A. New Business
      i. 25-03 645 Lucy Road
   B. Old Business
7. Planning and Zoning Administrator Comments
8. Commissioner Comments
9. Adjournment

Visitors are cordially invited to attend all meetings of the Commission.
If you wish to address the Council, you will be recognized by the Chairperson.

***NOTE:** Please turn off or silence pagers and cell phones during meetings. In the case of an emergency, if a call needs to be taken, please leave the Chambers.*

Regular Meeting of the Howell Planning Commission
Wednesday, April 09, 2025
Howell City Council Chambers
611 E. Grand River Ave.
Howell, Michigan 48843

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1. CALL TO ORDER

The regular meeting of the Planning Commission was called to order by Chairperson Kline-Hudson at 6:55 p.m.

COMMISSIONERS PRESENT: Chairperson Kathleen Kline-Hudson, Mayor Robert Ellis, Jon Hougaboom, James Davis and Jeff Schuett.

Also Present: Planning & Zoning Administrator Kristi Troy and Planning Consultant Paul Montagno

Others in Attendance: Councilmembers Jacob Schlitter and Alex Clos, Bree Cady, Aaren Currie, Jake Currie, City Manager Suida

2. APPROVAL OF MINUTES

Motion to approve the January 15, 2025, regular Planning Commission meeting minutes as presented.

MOTION by Ellis, SUPPORT by Hougaboom, MOTION CARRIED (5-0).

3. CALL TO THE PUBLIC

None.

4. PUBLIC HEARING

None.

5. ITEMS FOR CONSIDERATION

I. Planning Commission Applicant reviews

Three applications were included in the meeting packet to be reviewed by the Planning Commission for the three Planning Commission member positions with terms expiring on April 30,2025 per resolution 2024-14. Applications recommended are to be sent to Mayor Ellis for final approval before being sent to City Council for appointments. Applications for James Davis, Jon Hougaboom and Jeffrey Schuett were presented as the applicants for review. No discussion was had regarding their applications and no questions were asked of them.

Motion that all three applications be approved.

MOTION by Hougaboom, SUPPORT by Ellis, MOTION CARRIED (5-0).

6. CORRESPONDENCE

None.

7. PLANNING AND ZONING ADMINISTRATOR'S COMMENTS

Administrator Troy mentioned that even though the Planning Commission has had a slow start to the year there are a lot of inquiries coming in and some applications are expected soon.

Chairperson Kline-Hudson asked on the status of the new Fire and Ice Depot. City Manager Suida spoke on the progress and that there will be a groundbreaking ceremony coming up in April which will also include a ribbon cutting at the bathrooms/concession/beach area at Scofield Park.

8. COMMISSIONER COMMENTS

Commissioner Hougaboom questioned if the Howell Schools needed to go through Planning Commission for their projects. Administrator Troy stated that the schools are exempt and go through the State of Michigan for planning and permitting. Howell Public Schools has included the city, the city planners and the DPW with their plans and progress.

Motion to excuse members Lobur and Vukonich from tonight's meeting.

MOTION by Ellis, SUPPORT by Davis, MOTION CARRIED (5-0)

9. ADJOURN

Motion made to adjourn the meeting at 7:04 p.m.

MOTION by Hougaboom, SUPPORT by Ellis, MOTION CARRIED (5-0).

_____

Crystal Simmons, Recording Secretary

CITY OF HOWELL

MEMORANDUM

TO: Board of Zoning Appeals

FROM: Kristi Troy, Planning and Zoning Administrator

DATE: June 18, 2025

RE: 645 Lucy Road Special Land Use amendment

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645 Lucy Road, Padnos Iron and Metal Company, is looking to extend their hours of operation.

Hearing notice mailers have been sent out and no correspondence has been made to the City regarding the mailers.

DPW and Fire have no comments on the application.

Motion Requested: to approve/deny application #25-03 amending Special Land Use #19-30 to extend the hours of operation at 645 Lucy Road to Monday through Friday 7a-7p and Saturday 10a-3p.

Carlisle | Wortman
ASSOCIATES, INC.
117 NORTH FIRST STREET SUITE 70 ANN ARBOR, MI 48104 734.662.2200 734.662.1935 FAX

TO: City of Howell Planning Commission

FROM: Paul Montagno, AICP, Principal
Michelle Marin, AICP

DATE: June 10, 2025

RE: Special Land Use Amendment Analysis for 645 Lucy Road, Padnos Iron & Metal

PETITION

The applicant is requesting an amendment to the special land use approval on the property with parcel ID numbers 4717-06-100-007 and 4717-06-100-005, otherwise known as 645 Lucy Road. The existing special land use permit was approved on November 20, 2019. The parcel is in the I-2 General/Heavy Industrial zoning district. The petitioner requests that the parcel be issued an amended special land use permit in order to extend its hours of operation as follows:

- 7 a.m. to 7 p.m. Monday through Friday
- 10 a.m. to 3 p.m. on Saturday

The existing special land use permit restricts the hours of operation as follows:

- 7 a.m. to 5 p.m. Monday through Friday

SITE DESCRIPTION AND CURRENT USE

The subject property includes two (2) subject parcels totaling roughly 60 acres with a scrap metal processing facility, including shredder and recycling operations. In November 2019, the property was issued site plan approval for a facility expansion as well as special land use approval for the scrap processing/shredding facility use. The conditions for the special land use permit are indicated below:

1. The State of Michigan Air Quality permit shall be issued prior to any construction commencing on the site.

2. Board of Zoning Appeals approval to allow for the outdoor shredding equipment and the use of gravel rather than asphalt or concrete for several outdoor storage areas and vehicular maneuvering on the site.

Benjamin R. Carlisle, *President* Douglas J. Lewan, *Executive Vice President* John L. Enos, *Vice President*
David Scurto, *Principal* Sally M. Elmiger, *Principal* R. Donald Wortman, *Principal*
Paul Montagno, *Principal* Megan Masson-Minock, *Principal* Laura Kreps, *Principal*
Richard K. Carlisle, *Past President/Senior Principal*

3. The proposed construction and use shall meet all applicable ordinance standards.
4. Building permits shall be acquired for all work on the site.
5. No burning of any kind shall be permitted on site.
6. The applicant shall clarify the outdoor storage areas on the site plan and provide more details of what is proposed to be stored where.
7. No equipment and/or vehicles shall be visible from the adjacent property and/or roadway.
8. Semi-trailers and other similar vehicles may not be used as temporary storage facilities.
9. The owners shall meet all the standards for Environmental Performance and Design Standards of Article 8 of the Zoning Ordinance.
10. **Operation of the shredder shall be restricted to Monday through Friday 7:00 am to 5:00 pm.**

SURROUNDING ZONING AND LAND USE

Figure 1 provides an aerial view of the subject site and the surrounding area. Table 1 compares zoning, future land use designation, and existing land use surrounding the subject parcel.

Figure 1. Aerial View of Subject Site and Vicinity



Source: Nearmap.com

Table 1. Zoning and Land Use of Site and Surroundings

	Zoning	Future Land Use	Existing Land Use
Subject property	I-2 General Industrial	Employment District	Padnos Iron & Metal
North	I-2 General Industrial	Employment District	Manufacturing, warehousing, dog kennel
South	Railroad, I-1 Light Industrial	Employment District	Single Family Residential
West	I-2 General Industrial, R-1 Single Family Residential	Transition District Neighborhood	Vacant, landscape contractor, auto salvage
East – *Genoa Twp*	Railroad, General Commercial, Industrial	Public/ Institutional / Utilities	Railroad, vacant, county admin building, pharmacy

SPECIAL USE CONSIDERATIONS

The Planning Commission shall review the proposed special land use (the salvage yard) in terms of the standards stated within this subsection and shall establish that such use and the proposed location comply with the following standards:

1. Will be harmonious and in accordance with the general objectives or any specific objectives of the Master Plan.

   CWA Response: The Future Land Use Map in the Master Plan designates this property and most of the surrounding area as Employment District. The intention of the Employment District future land use designation is to provide employment opportunities for residents and contribute to the City's tax base. For the employment areas, the City will ensure that standards are in place to allow for expansion while protecting the quality of life in neighboring areas. Scrap metal processing and shredding, with intention use provisions, fits within this use type.

2. Will be designed, constructed, operated, and maintained to be harmonious and appropriate in appearance with the existing or intended character of the general vicinity and will not change the essential character of the area.

   CWA Response: The applicant is not proposing to alter the site plan which was most recently amended in 2024. The extended hours of operation the applicant requests will likely alter the traffic activity of the area, but the surrounding properties mostly include vacant space or industrial uses. The proposed extended hours of operation do not appear to change the essential character of the area.

3. Will not be hazardous or disturbing to existing or future nearby uses.

CWA Response: The extended hours of operation will only increase the time the existing use is in operation during the week. The facility is set far back from Lucy Road and the R-1 parcels to the east. The extended hours of operation may alter the traffic impacts on any future residences to the west, designated in the future land use map as Transition District and Neighborhood. The Planning Commission may request more information from the applicant to assess this standard.

4. Will be an improvement in relation to property in the immediate vicinity and to the community as a whole.

   CWA Response: The special land use has been under operation at the subject property for several years. The extended hours of operation will not necessarily improve the vicinity, but the increased activity in the designated employment district may offer more economic opportunities for the Howell community. The Planning Commission may request more information from the applicant to assess this standard.

5. Will be served adequately by essential public services and facilities or that the persons responsible for the establishment of the proposed use will provide adequately any such service or facility.

   CWA Response: The existing land use appears to be adequately served by essential public services and facilities. The increased hours of operation should have no effect on this.

6. Will not create excessive additional public costs and will not be detrimental to the economic welfare of the community.

   CWA Response: The proposed special land use does not appear to create excessive additional public costs or be detrimental to the economic welfare of the community.

7. Will be consistent with the intent and purposes of this Zoning Ordinance.

   CWA Response: The proposed changes appear to be consistent with the intent and purposes of the Zoning Ordinance if any concerns of nuisance to the neighboring residential property are mitigated.

RECOMMENDATIONS

We recommend that the Planning Commission review the application and the special land use standards. Should the Planning Commission vote to approve the special land use request, the Planning Commission may impose additional conditions and safeguards deemed necessary for the general welfare, for the protection of individual property rights,

and for ensuring that the purposes of this Zoning Ordinance and the general spirit and purpose of the district in which the special land use is proposed will be observed.

Respectfully submitted,

CARLISLE/WORTMAN ASSOC., INC.
Paul Montagno, AICP
Principal

CARLISLE/WORTMAN ASSOC., INC.
Michelle Marin, AICP
Community Planner

#104-2501

cc. Suida, City Manager
Troy, Planning and Zoning Administrator
Crystal Simmons, Community Development

Special Land Use Application

City of Howell – Community Development Department
611 E. Grand River • Howell, MI 48843 • (517)546-3861

Date of Application: May 19, 2025 ☐ **Commercial** X Industrial ☐ **Residential** **Fee:** $500

PROPERTY INFORMATION

Parcel I.D. 4717-06-100-005, 4717-06-100-002, 4717-06-300-005 **Address:** 625 Lucy Road

Name of Proposed Development: _____

Gross Acreage_____ **Net Acreage** _____

Total Number of Lots: 2 **Units:** _____ **Buildings:** 2

Proposed Date of Construction/occupancy: _____

SUBMITTAL INFORMATION

Describe in detail the proposed use and nature of the operation. An attachment may be added to this application with this description. Padnos seeks to amend condition 10 of its special land use permit approved by the City on December 5, 2019 for the sole purpose of extending its operating hours to 7 a.m. to 7 p.m. Monday through Friday and 10 a.m. to 3 p.m. on Saturday. See attached supplemental information sheet for additional details.

APPLICANT INFORMATION

Applicant Name: Ty Pektunus, Facilities Manager

Company Name: Louis Padnos Iron and Metal Company

Address: 185 W. 8th Street, Holland, MI 49423

Phone: 517.402.2190 **Email:** ty.pektunus@padnos.com

Site Planner/Engineer Company: _____

Contact Name: _____ **Number:** _____

Address: _____ **State/Zip:** _____

Email: _____**Fax:** _____

Return completed applications to the Howell City Hall or
email to building@cityofhowell.org

APPLICANT REQUIREMENT CHECKLIST

- **Project Fees (Must be paid by cash or check when application is submitted)**
- **Completed Application Form**
- **Ten sets of the proposed site plan. (3) full size sets and (7) reduced 11 x 17 sets**
- **An electronic copy of the entire plan set**

The applicant (s) represents that they are the owner(s) of the subject property or are acting on behalf of the owner listed below, and herewith file thirteen (13) copies of the identified drawing of the property or site plan and all supporting material. The applicant also acknowledges that the filing of this application grants permission for City staff and or officials to enter the property to determine the accuracy of the submitted information including existing conditions.

Ty Pekkunus PADNOS Facilities Manager 5/19/2025

Applicant Signature **Date**

Property Owner Information (To be filled out if the applicant is not the property owner)

Property Owner's Name _____

Address: _____

Phone: _____ **Email:** _____

_____ _____

Property Owner's Signature **Date**

STAFF USE ONLY

Received by: _____

Date: _____

Application Fee: $500.00

Plan Review Escrow: _____

Total Amount Due: _____

SUPPLEMENTAL INFORMATION SHEET
APPLICATION FOR AMENDED SPECIAL LAND USE PERMIT

I. Applicant Information

Louis Padnos Iron and Metal Company is a full-service recycler in paper, plastics, metals, electronic, and other scrap. Louis Padnos Iron and Metal Company has industrial scales and recycling centers located throughout Michigan. Louis Padnos Iron and Metal Company is the parent corporation to Padnos Manufacturing, Inc. and Padnos Howell, Inc.[1]

Padnos submits this Application for an Amended Special Land Use Permit ("SLUP") to the City of Howell Planning Commission for the continued operation of the ferrous scrap processing facility that was previously approved by the City in 2019 and 2020 (referred to as the "Project" or "Facility"). Padnos is seeking to amend condition 10 of its existing SLUP for the sole purpose of extending the shredder's operating hours from 7 a.m. to 5 p.m. Monday through Friday to **7 a.m. to 7 p.m. Monday through Friday and 10 a.m. to 3 p.m. on Saturday.** The use, layout, and operation of the shredder will otherwise remain the same as what was previously approved by the Planning Commission and Zoning Board of Appeals, and Padnos will continue to operate in compliance with the remaining conditions of its existing SLUP and site plan.

II. Project Description and Prior Zoning Approval

In 2019, Padnos acquired three contiguous parcels of property (4717-06-100-005, 4717-06-100-002, and 4717-06-300-005), totaling nearly 60 acres, on Lucy Road in Howell, Michigan. All three parcels are zoned I-2.

In October 2019, Padnos filed an application with the City of Howell for a SLUP and site plan approval to allow construction of a ferrous scrap processing facility on the northern parcel adjacent to the existing metal recycling yard, including a scrap shredder.

On December 5, 2019, the Planning Commission approved the request for the site plan and SLUP with the following conditions:

1. The State of Michigan Air Quality permit shall be issued prior to any construction commencing on the site.
2. Board of Zoning Appeals approval to allow for the outdoor shredding equipment and the use of gravel rather than asphalt or concrete for several outdoor storage areas and vehicular maneuvering on the site.
3. The proposed construction and use shall meet all applicable ordinance standards.
4. Building permits shall be acquired for all work on the site.
5. No burning of any kind shall be permitted on site.
6. The applicant shall clarify the outdoor storage areas on the site plan and provide more details of what is proposed to be stored where.
7. No equipment and/or vehicles shall be visible from the adjacent property and/or roadway.

[1] Louis Padnos Iron and Metal Company, Padnos Howell, Inc., and Padnos Manufacturing, Inc. are collectively referred to as "Padnos" in this application.

8. Semi-trailers and other similar vehicles may not be used as temporary storage facilities.
9. The owners shall meet all the standards for Environmental Performance and Design Standards of Article 8 of the Zoning Ordinance.
10. Operation of the shredder shall be restricted to Monday through Friday 7:00 am to 5:00 pm. [See **Attachment 1**.]

Padnos has been successfully operating under the approved SLUP and site plan for several years.

III. Special Land Use Standards (Section 3.03(e))

For the reasons stated below, the proposed amendment to condition 10 of the SLUP for a minor extension of the operating hours meets the following general standards for special land use approvals under Section 3.03(e) of the City of Howell Zoning Ordinance:

(1) Will be harmonious and in accordance with the general objectives or any specific objectives of the *Master Plan*;

Padnos' continued use of the property as a recycling center and scrap shredder will be harmonious with the objectives of the Master Plan, in that this specific use was already permitted by the City and is similar to the immediately preceding use of the property as an automobile salvage operation.

Furthermore, the use is compatible with the principles and configuration of the City's Master Plan. The property is located in "employment district" on the future land use map in the Master Plan. The Master Plan states that "Employment districts are vital to Howell. They provide employment opportunities for residents and contribute to the City's tax base. For the employment areas, the City will ensure that standards are in place to allow for expansion while protecting the quality of life in neighboring areas." The continued use of the property with a minor expansion to the existing operating hours would be in line with this goal, as the use is ultimately in support of a community-friendly recycling operation.

(2) Will be designed, constructed, operated and maintained so as to be harmonious and appropriate in appearance with the existing or intended character of the general vicinity and will not change the essential character of the area;

Padnos' continued use of the property with a few additional operating hours is compatible with adjacent uses and zoning of land. The area surrounding the property is primarily either undeveloped land or land in the industrial district. For instance, there are two auto salvage yards also located on Lucy Road, multiple sets of nearby railroad tracks, and other industrial and commercial businesses, including top-soil and aggregate (i.e., landscaping) company, an animal care facility, and an auto shop. Further, Motorsports Gateway, which is also located on Lucy Road, indicates on its website that their typical track hours during peak season will range from 9:00 a.m. to 7:00 p.m., which is consistent with Padnos' request.

Before Padnos received its existing SLUP, the City Community Development Director Schmitt indicated that "the shredder will be screened very well by the natural terrain of the property and the former City landfill, which will remain in perpetuity." As discussed, Padnos does not intend to expand the facilities located on the property, so it will continue to be harmonious with the area. Moreover, as shown in the plans attached as **Attachment 2,** Padnos has already planted an additional 50 trees on the property to make the property even more visually appealing to community members, and intends to plant even more mature, giant arborvitae trees on the property that are a minimum of 7 feet tall for additional landscaping improvements. The intended improvements will upgrade the current condition of the property, and make it more consistent and compatible with the other adjacent uses of land.

(3) Will not be hazardous or disturbing to existing or future nearby uses;

The continued use of the property with slightly expanded hours will not be hazardous or disturbing to existing or future nearby uses. As noted, the parcels surrounding the property are primarily industrial or undeveloped land so the minor addition to operating hours in the early evening and part of Saturday will not cause any additional disturbances to these parcels.

Further, the noise type and level from the shredder is consistent with many other industrial applications that would be operated in a heavy industrial zoned location like this one, such as the nearby Motorsports Gateway. Moreover, in an effort to further reduce any noise generated by the facility, Padnos hired an expert consultant to review the shredder operations, and based on the consultant's recommendation, installed sound curtains around the portion of the equipment that generates the most noise to deflect the noise upwards instead of outwards. (See **Attachment 3**.)

Further, as noted, Padnos has planted trees along the railroad to visually improve and intends to make additional landscaping improvements to further reduce noise and to make the property more visually appealing to nearby users. (See **Attachment 2.**)

The Air Permit to Install issued by the Michigan Department of Environment, Great Lakes, and Energy further confirms that the expanded hours will not be hazardous or cause a disturbance to nearby users. Under that permit, which is attached as **Attachment 4,** the State of Michigan has imposed operational limits on Padnos, which effectively allow Padnos to operate the shredder 12 hours a day, 7 days a week. Even with the slightly extended operating hours, Padnos will still be within those operational limits imposed by the State of Michigan. Thus, Padnos' request to amend its operating hours cannot be considered a disturbance or a hazard.

(4) Will be an improvement in relation to property in the immediate vicinity and to the community as a whole;

Expanding the operating hours for Padnos' current operation will be an improvement to Padnos and the community as a whole. Padnos' current operation has been an improvement to the community through the creation of new jobs to operate and support the systems. Padnos also supports several local businesses in the area that it requests services from. There is a significant demand for Padnos' services, resulting in an increased need for operations. Allowing Padnos to operate for just a couple hours in the evenings and Saturdays will allow Padnos to meet its

increased demands. In addition, Padnos' business forecast and model was based on the operational limits in the air permit, and the current operating hours are limiting Padnos' ability to meet these business expectations. Indeed, the current hours of operation were selected arbitrarily and the minor increase in hours requested by Padnos will make the hours of operation for this facility more consistent with what is permitted at other, similar facilities. Finally, increasing the hours of operation will maintain the present layout of the operations while providing additional wages to those in the community who work at the facility.

(5) Will be served adequately by essential public services and facilities or that the persons responsible for the establishment of the proposed *use* will provide adequately any such service or facility;

The existing project is already adequately served by essential public services and facilities. The slightly expanded hours of operation will not meaningfully increase the burden on essential public services and facilities in the area.

(6) Will not create excessive additional public costs and will not be detrimental to the economic welfare of the community; and

Padnos' request to amend its operating hours as a condition of its SLUP will not create any additional public costs, nor will it be detrimental to the economic welfare of the community. As noted, the Project has already been approved by the City, and the minor extension to the operating hours will not cost the public anything additional.

(7) Will be consistent with the intent and purposes of this Zoning Ordinance.

Padnos' continued use and operation of the shredder is consistent with the intent and purpose of Section 4.06(I) of the Ordinance. According to this Section, the I-2 district is "designed primarily for manufacturing, assembling and fabrication activities, including large scale or specialized industrial operations, whose external physical effects will be felt to some degree by surrounding *districts*. I-2 *District* is so structured as to permit the manufacturing, processing and compounding of semi-finished or finished products from raw materials." Padnos' use of the property as a ferrous scrap processing facility, even with the expanded hours, is consistent with the purpose of this district as identified in the Zoning Ordinance.

* * * *

Padnos is in compliance with all other standards in the Ordinance and SUP. Because Padnos does not intend to change its operations or layout and is only requesting to slightly extend its operating hours, Padnos will continue to be in compliance with all applicable standards and regulations.

Attachment 1

HOWELL
MICHIGAN

CITY OFFICES • 611 E. Grand River • Howell, MI 48843

(517) 546-3502 • (517) 546-3861
Fax: (517) 546-6030

December 5, 2019

GMB Architecture & Engineering
Travis Vruggink
85 E 8th St, Ste 200
Holland, MI 49423

Re: #19-30 – 645 Lucy Road – Scrap Yard Expansion

Mr. Vruggink,

For your records, on November 20, 2019, the Planning Commission approved your request for a Site Plan and Special Land Use for the property at 645 Lucy Road and the adjacent vacant properties to the north and south (parcel ID#s 4717-06-002, 4717-06-100-005, and 4717-06-300-005). The request was to allow construction of a new ferrous scrap processing facility adjacent to the existing metal recycling yard, including a new scrap shredder. The approval was made subject to the following conditions:

1. The State of Michigan Air Quality permit shall be issued prior to any construction commencing on the site.
2. Board of Zoning Appeals approval to allow for the outdoor shredding equipment and the use of gravel rather than asphalt or concrete for several outdoor storage areas and vehicular maneuvering on the site.
3. The proposed construction and use shall meet all applicable ordinance standards.
4. Building permits shall be acquired for all work on the site.
5. No burning of any kind shall be permitted on site.
6. The applicant shall clarify the outdoor storage areas on the site plan and provide more details of what is proposed to be stored where.
7. No equipment and/or vehicles shall be visible from the adjacent property and/or roadway.
8. Semi-trailers and other similar vehicles may not be used as temporary storage facilities
9. The owners shall meet all the standards for Environmental Performance and Design Standards of Article 8 of the Zoning Ordinance.
10. Operation of the shredder shall be restricted to Monday through Friday 7:00 am to 5:00 pm.

Please sign below acknowledging receipt of these conditions and return a copy to our office. If you have any questions please feel free to contact me at (517) 546-3861. Please note, the site plan expires in one year and the work is expected to be done by that time. The Board of Zoning Appeals meeting will be scheduled in the near future and you will be contacted with a date for your request to be heard by that board.

Sincerely,

Timothy R. Schmitt, *AICP*
Community Development Director

I acknowledge receipt of and agree to the conditions above.

_____ Date: _____

Attachment 2

NORTH

0 60'

SCALE 1" = 60'

PROP. 40
HAKURO–NISHIKI
WILLOW DAPPLED
PLANT (10' SPACING)

PROP. 20
HAKURO–NISHIKI
WILLOW DAPPLED
PLANT (10' SPACING)

Trees planted Fall 2024

Proposed Giant Arborvitae

MAINLINE
3° CURVE

MAINLINE
PC=28+28.53

PT = 6+73.98

C3

C4

C5

C6

GRADING
LIMIT LINE

6"UNDERDRAIN

6" U/D
INV 918.3

6" U/D
INV 919.0

DITCH
ELEV.
919.7

WETLAND 008

TREE PLANTING PLAN

LOUIS PADNOS IRON & METAL, INC
EARTHWORK AND TRACKWORK FOR
RAILROAD FACILITY

Pathfinder
Engineering, Inc.
2335 Byron Center Ave. S.W. Wyoming, MI 49519
Phone 1-616-878-3885 Fax 1-616-878-4559

PROJECT NO. 22029 DATE: 10–22–24

Attachment 3


552-60
552-74
SC1506


552-52
835E
CRA2205

552-90
104

Attachment 4

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
AIR QUALITY DIVISION

December 18, 2020

PERMIT TO INSTALL
141-19

ISSUED TO
Louis Padnos Iron & Metal

LOCATED AT
645 Lucy Road
Howell, Michigan 48843

IN THE COUNTY OF
Livingston

STATE REGISTRATION NUMBER
P1081

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environment, Great Lakes, and Energy. 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: **April 1, 2020**	
DATE PERMIT TO INSTALL APPROVED: **December 18, 2020**	SIGNATURE: MaryAnn Dochanty
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

PERMIT TO INSTALL

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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
EU-SHREDDER	5,000-HP Scrap Metal Shredder capable of processing 160 gross tons of product per hour. Emissions from the shredder are controlled by a Smart Water Injection System and are discharged to a single stack. The shredder runs on electrical power. The shredder also has a feed conveyor, discharge shaker; and a shared magnetic drum separator, ferrous separation process with a z-box / cyclone system, non-ferrous separation system with cyclone separator, associated conveyors, material storage, and associated process activities including but not limited to management of materials from the shredding operations.	TBD	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.

EU-SHREDDER
EMISSION UNIT CONDITIONS

DESCRIPTION

5,000-HP Scrap Metal Shredder capable of processing 160 gross tons of product per hour. Emissions from the shredder are controlled by a Smart Water Injection System and are discharged to a single stack. The shredder runs on electrical power. The shredder also has a feed conveyor, discharge shaker; and a shared magnetic drum separator, ferrous separation process with a z-box / cyclone system, non-ferrous separation system with cyclone separator, associated conveyors, material storage, and associated process activities including but not limited to management of materials from the shredding operations.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT

Smart Water Injection System on the shredder

I. EMISSION LIMIT(S)

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Monitoring / Testing Method	Underlying Applicable Requirements
1. VOC (as propane)	23.7 tpy[a]	12-month rolling time period as determined at the end of each calendar month	Stack portion of EU-SHREDDER	SC V.2, SC V.3, SC VI.6	R 336.1702(a)
2. PM	0.05 lbs/ per 1000 lbs of exhaust gas[b]	Hourly	Stack portion of EU-SHREDDER	SC V.2, SC V.3	R 336.1331
3. PM10	59.4 lb/day[a]	Calendar Day	Stack portion of EU-SHREDDER	SC V.2, SC V.3, SC VI.7	40 CFR 52.21 (c) & (d)
4. PM2.5	37.3 lb/day[a]	Calendar Day	Stack portion of EU-SHREDDER	SC V.2, SC V.3, SC VI.7	40 CFR 52.21 (c) & (d)
5. Mercury[1]	6.0 lb/yr[a]	12-month rolling time period as determined at the end of each calendar month	Stack portion of EU-SHREDDER	SC V.2, SC V.3, SC VI.8	R 336.1225
6. Lead	0.04 tpy[a]	12-month rolling time period as determined at the end of each calendar month	Stack portion of EU-SHREDDER	SC V.2, SC V.3, SC VI.9	40 CFR 52.21 (c) & (d)
7. Hexavalent Chromium[1]	2.61 lb/yr[a]	12-month rolling time period as determined at the end of each calendar month	Stack portion of EU-SHREDDER	SC V.2, SC V.3, SC VI.10	R 336.1225

[a] Compliance with this limit will be demonstrated by multiplying the emission factor in SC VI.6, 7, 8, 9, or 10 (or emission factor obtained from a stack test) by the throughput.

[b] Calculated on a dry gas basis

8. Visible emissions from the hood portion and from the stack of the shredder portion of EU-SHREDDER shall not exceed a six-minute average of 10 percent opacity. **(R 336.1301, R 336.1303, R 336.1901, 40 CFR 52.21(c) & (d))**

9. Visible emissions from the Z-Box portion of EU-SHREDDER shall not exceed a six-minute average of 10 percent opacity. **(R 336.1301, R 336.1303, R 336.1901, 40 CFR 52.21(c) & (d))**

10. Visible emissions from the non-ferrous portion of EU-SHREDDER shall not exceed a six-minute average of 10 percent opacity. **(R 336.1301, R 336.1303, R 336.1901, 40 CFR 52.21(c) & (d))**

11. Visible emissions from the conveyors and transfer points of EU-SHREDDER shall not exceed a six-minute average of 10 percent opacity. **(R 336.1301, R 336.1303, R 336.1901, 40 CFR 52.21(c) & (d))**

II. MATERIAL LIMIT(S)

1. The permittee shall not process more than 1,920 tons of material per calendar day and 499,200 tons of material through EU-SHREDDER per 12-month rolling time period as determined at the end of each calendar month. **(R 336.1224, R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d))**

2. The permittee shall not process more than 249,600 tons of auto scrap material through EU-SHREDDER per 12-month rolling time period as determined at the end of each calendar month. **(R 336.1224, R 336.1225, R 336.1702(a), R 336.1901, 40 CFR 52.21(c) & (d))**

3. The permittee shall not process any asbestos tailing or waste materials containing asbestos in EU-SHREDDER pursuant to the National Emission Standards for Hazardous Air Pollutants, 40 CFR Part 61, Subpart M. **(40 CFR Part 61 Subpart M)**

4. The permittee shall not process batteries in EU-SHREDDER.[1] **(R 336.1224, R 336.1225, R 336.1901)**

5. The permittee shall not process any gas tanks in EU-SHREDDER unless they are flattened or punctured.[1] **(R 336.1225, R 336.1702(a), R 336.1901)**

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall not operate EU-SHREDDER unless the Smart Water Injection System is installed, maintained, and operated in a satisfactory manner as described in the MAP. **(R 336.1224, R 336.1225, R 336.1331, R 336.1901, R 336.1910, 40 CFR 52.21(c) & (d))**

2. The permittee shall not operate EU-SHREDDER unless the exhaust hood is installed, maintained, and operated in a satisfactory manner. Satisfactory operation and maintenance include, but is not limited to, ensuring compliance with SC I.8. **(R 336.1224, R 336.1225, R 336.1331, R 336.1901, R 336.1910, 40 CFR 52.21(c) & (d))**

3. The permittee shall properly remove and properly dispose of fluids from materials to be shredded as specified in the plan in SC III.8 (or inspect and/or document that removal has been performed). As specified in the written plan for the management of materials, materials include but are not limited to vehicles, appliances, and industrial machinery. As specified in the written plan for the management of materials, fluids shall include, at a minimum, gasoline, motor oil, antifreeze, transmission oil, brake oil, power steering fluid, hydraulic fluid, and differential fluid. **(R 336.1224, R 336.1225, R 336.1702(a), R 336.1901)**

4. The permittee shall properly remove and properly dispose of freon or other chlorofluorocarbons/halogenated chlorofluorocarbons (CFCs/HCFCs) from materials to be shredded as specified in the plan in SC III.8 (or inspect and/or document that removal has been performed). As specified in the written plan for the management of materials, materials include but are not limited to air conditioning units in vehicles, appliances, and industrial machinery.[1] **(R 336.1224, R 336.1225, R 336.1901)**

5. The permittee shall properly remove and properly dispose of mercury-containing devices from materials to be shredded as specified in the plan in SC III.8 (or inspect and/or document that removal has been performed). As specified in the written plan for the management of materials, materials include but are not limited to vehicles, appliances, and industrial machinery.[1] **(R 336.1224, R 336.1225, R 336.1901)**

6. The permittee shall stage all non-metal and automotive shredder residue (e.g., fluff) generated by EU-SHREDDER in a total volume not to exceed 9,000 cubic yards at any time. **(R 336.1301, R 336.1901)**

7. All fluids, non-metal, and waste materials generated by the EU-SHREDDER shall be contained and disposed of or recycled in an acceptable manner in compliance with all applicable state and federal rules and regulations. **(R 336.1224, R 336.1225, R 336.1702(a), R 336.1901)**

8. Prior to commencement of operations, the permittee shall submit to the AQD District Supervisor an acceptable written plan demonstrating compliance with SCs II.3, II.4, II.5, III.3, III.4, III.5, III.6 and III.7. The permittee shall not operate EU-SHREDDER unless the plan, or an alternate plan, is implemented and maintained. Any changes to the plan by the permittee or as reasonably requested by the AQD shall be submitted to the AQD District Supervisor within 30 days. **(R 336.1224, R 336.1225, R 336.1301, R 336.1702(a), R 336.1901, 40 CFR Part 61 Subpart M)**

9. The permittee shall prevent fires from starting in the pile of non-metal and automotive shredder residue (e.g., fluff) through regular and frequent applications of water as needed. **(R 336.1310, R 336.1901)**

10. The permittee shall not operate EU-SHREDDER unless the nuisance minization plan for continuous fugitive emissions control specified in Appendix A (or an amended Fugitive Dust Control Plan approved by the AQD District Supervisor) has been implemented and is maintained.[1] **(R 336.1901)**

11. The permittee shall not operate EU-SHREDDER unless a malfunction abatement plan (MAP) as described in Rule 911(2), for EU-SHREDDER, has been submitted within 45 days of permit issuance, and is implemented and maintained. The MAP shall, at a minimum, specify the following:
    a) A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement.
    b) An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures.
    c) A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

    If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days, if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.1224, R 336.1225, R 336.1301, R 336.1331, R 336.1910, R 336.1911, 40 CFR 52.21(c) & (d))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. The permittee shall install, calibrate, maintain and operate, in a satisfactory manner, devices to monitor the water injection rate and the shredder motor current on a continuous basis for the Smart Water Injection System on EU-SHREDDER. **(R 336.1224, R 336.1225, R 336.1301, R 336.1910)**

2. The permittee shall not operate EU-SHREDDER unless the conveyor(s), which carries the dry non-metal and automotive shredder residue, is covered and a chute at the discharge end of the conveyor is in place. **(R 336.1301, R 336.1303, R 336.1901)**

V. TESTING/SAMPLING

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

1. Within 180 days after commencement of trial operation of EU-SHREDDER, the permittee shall verify visible emissions from the stack portion, hood portion, Z-Box portion, and the non-ferrous portion of EU-SHREDDER

by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in the table below.

Pollutant	Test Method Reference
Visible Emission	40 CFR Part 51, Appendix M; 40 CFR Part 60, Appendix A

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1301, R 336.1303, R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(c) & (d))**

2. Within 180 days after commencement of trial operation of EU-SHREDDER, the permittee shall verify the emission rates of all of the pollutants listed in the table below through the determination of an emission factor (in lb/ton of metal processed) and verify the PM emission rate from the stack portion of EU-SHREDDER by testing at owner's expense, in accordance with Department requirements and once every five years thereafter; testing for a pollutant shall occur until two consecutive test results (including the initial test) are below the emission rate or emission factor referenced in SC I.2, SC VI.6, SC VI.7, SC VI.8, SC VI.9, or SC VI.10. Testing shall be performed using an approved EPA Method listed in the table below.

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules
PM10, PM2.5	40 CFR Part 51, Appendix M
VOC	40 CFR Part 60, Appendix A
Mercury	40 CFR Part 60, Appendix A
Lead	40 CFR Part 60, Appendix A
Hexavalent Chromium	40 CFR Part 60, Appendix A

The hourly emission rates during testing shall be determined by the average of the acceptable test runs performed in accordance with the method requirements. An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1225, R 336.1331, R 336.1702, R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(c) & (d))**

3. Upon request of the AQD District Supervisor, the permittee shall verify the emission rates of any or all of the pollutants listed in the table below through the determination of an emission factor (in lb/ton of metal processed) and/or the PM emission rate from the stack portion of EU-SHREDDER by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in the table below.

Pollutant	Test Method Reference
PM	40 CFR Part 60, Appendix A; Part 10 of the Michigan Air Pollution Control Rules
PM10, PM2.5	40 CFR Part 51, Appendix M
VOC	40 CFR Part 60, Appendix A
Mercury	40 CFR Part 60, Appendix A
Lead	40 CFR Part 60, Appendix A
Hexavalent Chromium	40 CFR Part 60, Appendix A

The hourly emission rates during testing shall be determined by the average of the acceptable test runs performed in accordance with the method requirements. An alternate method, or a modification to the

approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1225, R 336.1331, R 336.1702, R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(c) & (d))**

4. Upon request of the AQD District Supervisor, the permittee shall verify visible emissions from the stack portion, hood portion, Z-Box portion, and/or the non-ferrous portion of EU-SHREDDER by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an approved EPA Method listed in the table below.

Pollutant	Test Method Reference
Visible Emission	40 CFR Part 51, Appendix M; 40 CFR Part 60, Appendix A

An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 30 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.1301, R 336.1303, R 336.2001, R 336.2003, R 336.2004, 40 CFR 52.21(c) & (d))**

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor and make them available by the last day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(R 336.1224, R 336.1225, R 336.1702, R 336.1901, 40 CFR 52.21(c) & (d))**

2. The permittee shall keep, in a satisfactory manner, daily records of the water injection rate and the shredder motor current from the Smart Water Injection System on EU-SHREDDER. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(336.1224, R 336.1225, R 336.1301, R 336.1331, 40 CFR 52.21(c) & (d))**

3. The permittee shall perform visible emissions observations during operation twice each calendar day from EU-SHREDDER. Either a certified or non-certified reader shall take each visible emission reading during routine operating conditions. If the permittee observes visible emissions above 10% opacity, the permittee shall immediately initiate corrective actions or operational changes to reduce visible emissions below 10% opacity. **(R 336.1301, R 336.1303, 40 CFR 52.21(c) & (d))**

4. The permittee shall keep, in a satisfactory manner, records of all visible emission observations for EU-SHREDDER. At a minimum, records shall include status of visible emissions, day and time each reading was taken, and corrective actions taken. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1301, R 336.1303, 40 CFR 52.21(c) & (d))**

5. The permittee shall keep records of the amount of material (total) processed in EU-SHREDDER in tons per calendar day and in tons per 12-month rolling time period as determined at the end of each calendar month and the amount of auto scrap material processed in EU-SHREDDER in tons per 12-month rolling time period as determined at the end of each calendar month. The records shall be kept in a format acceptable to the AQD District Supervisor. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1224, R 336.1225, R 336.1702, R 336.1901, 40 CFR 52.21(c) & (d))**

6. The permittee shall keep the following information on a monthly basis for EU-SHREDDER:
   a) VOC emission factor, in lbs VOC/ton of metal processed (using an emission factor of 0.095 lb VOC/ton of metal processed until the completion of a stack test, after which an emission factor based upon the

most recent acceptable stack test shall be used. Alternatively, an emission factor acceptable to the AQD District Supervisor may be used).

b) VOC mass emission calculations determining the monthly emission rate in tons per calendar month.

c) VOC mass emission calculations determining the annual emission rate in tons per 12-month rolling time period 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. **(R 336.1225, R 336.1702)**

7. The permittee shall keep the following information on a daily basis for EU-SHREDDER:
   a) PM10 emission factor, in lb PM10/ton of metal processed (using an emission factor of 0.0309 lb PM10/ton of metal processed until the completion of a stack test, after which an emission factor based upon the most recent acceptable stack test shall be used. Alternatively, an emission factor acceptable to the AQD District Supervisor may be used).
   b) PM2.5 emission factor, in lb PM2.5/ton of metal processed (using an emission factor of 0.0194 lb PM2.5/ton of metal processed until the completion of a stack test, after which an emission factor based upon the most recent acceptable stack test shall be used. Alternatively, an emission factor acceptable to the AQD District Supervisor may be used).
   c) PM10 and PM2.5 mass emission calculations determining the daily emission rate of each in pounds per calendar day.

   The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1224, R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d))**

8. The permittee shall keep the following information on a monthly basis for EU-SHREDDER:
   a) Mercury emission factor, in lb mercury/ton of metal processed (using an emission factor of 1.20×10^{-5} lb mercury/ton of metal processed until the completion of a stack test, after which an emission factor based upon the most recent acceptable stack test shall be used. Alternatively, an emission factor acceptable to the AQD District Supervisor may be used).
   b) Mercury mass emission calculations determining the monthly emission rate in pounds per calendar month.
   c) Mercury mass emission calculations determining the annual emission rate in pounds per 12-month rolling time period 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.[1] **(R 336.1225)**

9. The permittee shall keep the following information on a monthly basis for EU-SHREDDER:
   a) Lead emission factor, in lb lead/ton of metal processed (using an emission factor of 1.65×10^{-4} lb lead/ton of metal processed until the completion of a stack test, after which an emission factor based upon the most recent acceptable stack test shall be used. Alternatively, an emission factor acceptable to the AQD District Supervisor may be used).
   b) Lead mass emission calculations determining the monthly emission rate in pounds per calendar month.
   c) Lead mass emission calculations determining the annual emission rate in pounds per 12-month rolling time period 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.[1] **(R 336.1225)**

10. The permittee shall keep the following information on a monthly basis for EU-SHREDDER:
    a) Hexavalent chromium emission factor, in lb hexavalent chromium/ton of metal processed (using an emission factor of 5.22×10^{-6} lb hexavalent chromium /ton of metal processed until the completion of a stack test, after which an emission factor based upon the most recent acceptable stack test shall be used. Alternatively, an emission factor acceptable to the AQD District Supervisor may be used).
    b) Hexavalent chromium mass emission calculations determining the monthly emission rate in pounds per calendar month.
    c) Hexavalent chromium mass emission calculations determining the annual emission rate in pounds per 12-month rolling time period 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.[1] **(R 336.1225)**

11. The permittee shall keep daily records of the total volume of non-metal material and fluff staged. The records shall be kept in a format acceptable to the AQD District Supervisor. The permittee shall keep all records on file at the facility and make them available to the Department upon request. **(R 336.1224, R 336.1225, R 336.1901, 40 CFR 52.21(c) & (d))**

12. The permittee shall keep records of all fugitive dust control inspections and all dust control activities as required by Appendix A. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1901, 40 CFR 52.21(c) & (d))**

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 EU-SHREDDER. **(R 336.1201(7)(a))**

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 Diameter / Dimensions (inches)	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
1. SV-SHREDDER	30	65	R 336.1225, 40 CFR 52.21(c) & (d)

IX. OTHER REQUIREMENT(S)

NA

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

APPENDIX A
Fugitive Dust Control Plan

I. Plant/Shredder

a. The drop distance at each transfer point throughout the shredder shall be reduced to the minimum the equipment can reasonably achieve.

b. Corrective actions and/or operational changes shall be undertaken to reduce opacity throughout the plant should opacity above 10% be observed.

c. Records of all corrective actions and operational changes undertaken to reduce opacity.

II. Truck Traffic

a. On-site vehicles shall be loaded to prevent their contents from dropping, leaking, blowing or otherwise escaping. This shall be accomplished by loading so that no part of the load shall come in contact within six inches of the top of any sideboard, side panel or tailgate, otherwise, the truck shall be tarped.

b. Corrective actions and/or operational changes shall be undertaken to reduce opacity truck traffic should opacity above 20% be observed.

c. Records of all corrective actions and operational changes undertaken to reduce opacity.

III. Site Roadways and the Plant Yard

a. The dust on the site roadways and the plant yard shall be controlled by applications of water, calcium chloride or other acceptable and approved fugitive dust control compounds. Applications of dust suppressants shall be done as often as necessary to meet an opacity limit of 5% as determined by reference test method 9D.

b. All paved roadways/plant yard shall be swept, as needed, between applications of dust suppressants.

c. Any material spillage on roads shall be cleaned up in a timely manner.

d. Corrective actions and/or operational changes shall be undertaken to reduce opacity from site roadways and throughout the plant yard should opacity above 5% be observed.

e. A record of all applications of dust suppressants, and roadway and the plant yard sweepings shall be kept on file for the most recent five-year period and be made available to the AQD upon request.

f. Records of all corrective actions and operational changes undertaken to reduce opacity.

IV. Storage Piles

a. Stockpiling of all nonmetallic materials shall be performed to minimize drop distance and control potential dust problems.

b. Stockpiles shall be watered on an as needed basis in order to meet an opacity limit of 20% as determined by reference test method 9D. Equipment to apply water or dust suppressant shall be available at the site, or on call for use at the site, within a given operating day.

c. Corrective actions and/or operational changes shall be undertaken to reduce opacity from storage piles should opacity above 20% be observed.

d. A record of all watering shall be kept on file for the most recent five-year period and be made available to the AQD upon request.

e. Records of all corrective actions and operational changes undertaken to reduce opacity.

V. AQD/EGLE Inspection

The provisions and procedures of this plan are subject to adjustment by written notification from the AQD, if following an inspection, the AQD finds the fugitive dust requirements and/or the permitted opacity limits are not being met.