STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING

RICK SNYDER
GOVERNOR

KEITH CREAGH
DIRECTOR

January 12, 2016

Dr. Susan Hedman, Regional Administrator
United States Environmental Protection Agency
Region 5
77 West Jackson Boulevard (R-19J)
Chicago, Illinois 60604

Dear Dr. Hedman:

SUBJECT: Request for Redesignation to Attainment for the Lead Nonattainment Area in Ionia County, Michigan

The Michigan Department of Environmental Quality (MDEQ) is requesting a redesignation to attainment for the 2008 Lead National Ambient Air Quality Standard (NAAQS). In addition, we are requesting the Lead Maintenance Plan be approved as a revision to the Michigan State Implementation Plan (SIP).

The United States Environmental Protection Agency approved a Clean Data Determination, as the area is attaining the Lead NAAQS. The enclosed submission demonstrates the requisite redesignation criteria under Section 107 of the federal Clean Air Act, as well as the requirements of 40 CFR Part 51, Appendix V, have been met.

Opportunity for public comment and for a public hearing on the Lead Maintenance Plan SIP submittal was provided. The public notice addressing this submittal was published on October 19, 2015, in the *MDEQ Environmental Calendar* located on the MDEQ Web site at http://www.michigan.gov/envcalendar and excerpts are included in Attachment D. No comments were received, and a hearing was not requested.

Questions on this submittal may be directed to Ms. Mary Maupin, SIP Unit Supervisor, Air Quality Division (AQD), at 517-284-6755 or maupinm@michigan.gov; to Ms. Lynn Fiedler, Chief, AQD, at 517-284-6773, fiedlerl@michigan.gov or to MDEQ, AQD, P.O. Box 30260, Lansing, Michigan 48909-7760; or you may contact me.

Sincerely,

Keith Creagh
Director
517-284-6700

Enclosure
cc/enc: Ms. Sarah Arra, USEPA, Region 5
Mr. Jim Sygo, Chief Deputy Director, MDEQ
Ms. Lynn Fiedler, MDEQ
Ms. Mary Maupin, MDEQ
Ms. Erica Wolf, MDEQ

Request for Redesignation to Attainment for the 2008 Lead National Ambient Air Quality Standard and Revision to Michigan's State Implementation Plan Lead Maintenance Plan for Ionia County (Partial), City of Belding

Michigan Department of Environmental Quality
Air Quality Division

January 2016

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Introduction

The United States Environmental Protection Agency (USEPA) established a revised National Ambient Air Quality Standard (NAAQS) for Lead on October 15, 2008. The USEPA made attainment designations for the State of Michigan (State) on November 22, 2011. The designations were based on design values derived from air quality monitoring data for the years 2008-2010. Design values exceeding 0.15 micrograms per cubic meter ($\mu g/m^3$) violate the NAAQS and are too high to be protective of public health. The USEPA designated the State as attainment, except for a portion of Ionia County, specifically a portion of the city of Belding, which was designated nonattainment.

The State, through the Michigan Department of Environmental Quality (MDEQ), is asking the USEPA to make a determination that Ionia County (partial), city of Belding, Michigan, is now in attainment with the 2008 Lead NAAQS, to change the status of the area from nonattainment to attainment, and to approve the Section 175A maintenance plan as a revision to the Michigan State Implementation Plan (SIP).

This document will demonstrate that the requisite redesignation criteria under Section 107 of the federal Clean Air Act (CAA) have been met as well as all required Code of Federal Regulations (CFR), Title 40, Part 51, Appendix V SIP revision requirements. The elements for a redesignation request under Section 107 are: (1) demonstration of attainment of the NAAQS; (2) demonstration that the improvement in air quality is due to permanent and enforceable reductions; (3) submittal of an approved CAA Section 175A maintenance plan; and (4) demonstration that the State has met the Section 110 and Title 1, Part D requirements of the CAA.

Title 40, Code of Federal Regulations, Part 51, Appendix V Requirements

40 CFR Part 51, Appendix V, contains requirements the MDEQ must follow to revise the SIP. The applicable requirements and the MDEQ's fulfillment of them are as follows:

1. A formal letter of submittal from the governor or designee requesting the USEPA approval of the revision.

   A letter dated January 6, 2016, from Governor Rick Snyder to the USEPA, Region 5, delegates authority from the Governor to the MDEQ Director to make any SIP submittal, request, or application under the CAA. This letter has been submitted to the USEPA and is available upon request. This delegation of authority and the cover letter included with this SIP submittal to the USEPA satisfies requirement 1.

2. Evidence that the State has the necessary legal authority under State law to adopt and implement the revision.

   Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and Executive Reorganization Order

2011-1 provide the MDEQ with the legal authority under State law to implement and enforce the provisions of the State SIP. A copy has been submitted to the USEPA through previous SIP submittals and is available upon request. This authority satisfies requirement 2.

3. Evidence that public notice was given of the proposed change consistent with procedures approved by the USEPA, including the date of publication of such notice.

   The MDEQ published in the statewide MDEQ Environmental Calendar (Attachment D) notice of this proposed SIP submittal on October 19, 2015. The public comment period ended on November 19, 2015, with no comments submitted. This notice and opportunity for public comment satisfies requirement 3.

4. Certification that public hearings were held in accordance with the information provided in the public notice and the State's Administrative Procedures Act, if applicable.

   The notice of proposed SIP submittal included an opportunity to request a public hearing. No requests were submitted by November 19, 2015, and the MDEQ did not hold a public hearing. This satisfies requirement 4.

5. Compilation of public comments and the State's responses.

   The MDEQ did not receive any public comments, therefore, requirement 5 does not apply.

Clean Air Act Section 107 Requirements

1. Attainment of the NAAQS.

The first element of a redesignation request is to show attainment of the NAAQS. The USEPA set the 2008 Lead NAAQS at 0.15 $\mu g/m^3$, evaluated on a 3-month rolling average over a 3-year span utilizing total suspended particulate ambient monitoring data as the indicator.

For the 2008 Lead NAAQS, all areas in the State, except a portion of the city of Belding (Figure 1), were designated as attaining the standard. Data collected at the ambient air monitoring sites in Belding showed that one facility, Mueller Industries, was the primary source of lead emissions that caused the NAAQS exceedance in this area. Since 2011, the MDEQ has operated monitors in the city of Belding near Mueller Industries at two sites: monitor 26067002 is located at Reed Street, and monitor 26067003 is located at Merrick Street (Figure 2). Placement of these monitors was guided by dispersion modeling to indicate the location of maximum expected concentration of lead emissions in the nonattainment area.

Figure 1
Map of Lead Nonattainment Area in Belding, Michigan

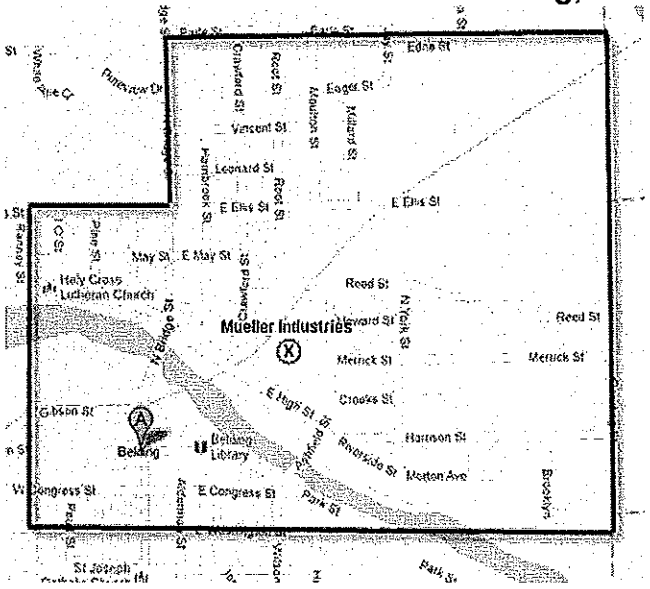
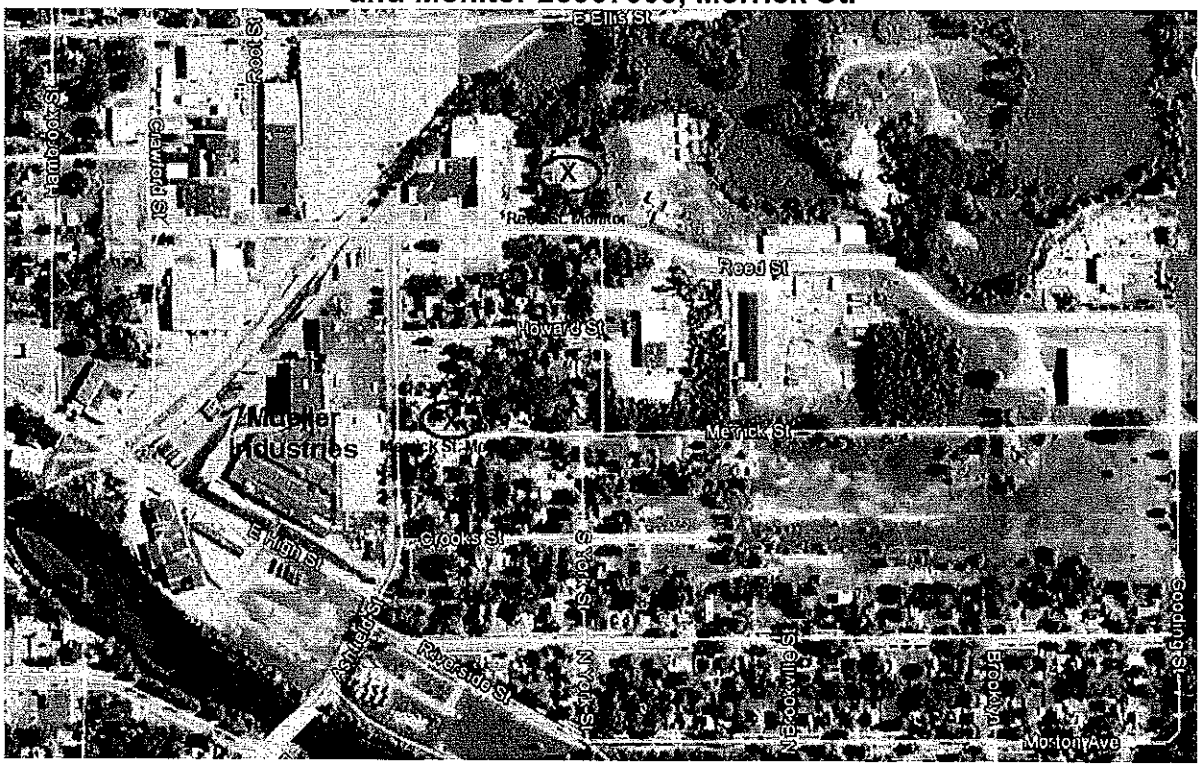


Figure 2
Location of Monitor 26067002, Reed St.,
and Monitor 26067003, Merrick St.



The most recent ambient air quality monitoring data at these monitoring sites, for 2012-2014, shows attainment of the NAAQS (Table 1). This monitoring data was validated, certified, and submitted to the USEPA. The MDEQ submitted annual data certification letters to the USEPA, Region 5, certifying the completeness criteria under 40 CFR Part 50 and the quality assurance criteria under 40 CFR Section 58.10. The most recent annual data certification letter was submitted on April 20, 2015, and is available upon request. The completeness criteria data for the two lead monitors is included in Table 2 and was submitted to the USEPA Air Quality System database.

Table 1
City of Belding, Michigan
2012-2014 Lead Monitoring Data
3-month rolling average, in ug/m^3

	2012 Data			2013 Data			2014 Data	
Month	Monitor 26067003	Monitor 26067002	Month	Monitor 26067003	Monitor 26067002	Month	Monitor 26067003	Monitor 26067002
1	0.02	0.03	1	0.02	0.02	1	0.05	0.02
2	0.02	0.04	2	0.03	0.01	2	0.03	0.02
3	0.03	0.05	3	0.03	0.01	3	0.02	0.02
4	0.04	0.04	4	0.03	0.01	4	0.04	0.01
5	0.05	0.04	5	0.03	0.03	5	0.04	0.02
6	0.06	0.04	6	0.03	0.03	6	0.04	0.02
7	0.05	0.04	7	0.04	0.04	7	0.03	0.02
8	0.05	0.04	8	0.04	0.05	8	0.03	0.01
9	0.04	0.05	9	0.04	0.05	9	0.03	0.04
10	0.03	0.04	10	0.03	0.06	10	0.03	0.04
11	0.02	0.03	11	0.04	0.04	11	0.03	0.04
12	0.02	0.02	12	0.05	0.04	12	0.04	0.02

Table 2
City of Belding, Michigan
Completeness Criteria Data for Monitors 26067002 and 26067003

Year	Monitor 26067002	Monitor 26067003
2012	100%	100%
2013	98%	98%
2014	98%	98%

The air monitoring data in Table 1 demonstrates that during the 3-year span of 2012-2014, based on a rolling 3-month average, ambient air lead levels ranged between 0.01 and 0.06 µg/m^3 in the city of Belding and were well below the 0.15 µg/m^3 NAAQS. This data shows no violations of the Lead NAAQS during this 3-year period. The USEPA also issued a Clean Data Determination (Attachment A), for the current nonattainment area, effective September 22, 2015. This demonstrates the USEPA's approval of 3 years

of attainment of the Lead NAAQS. The MDEQ, therefore, demonstrates attainment of the 2008 Lead NAAQS for the city of Belding through the Clean Data Determination and the quality-assured and complete air monitoring data.

2. Permanent and Enforceable Reductions.

The second element required for a redesignation is that the improvement in air quality is due to permanent and enforceable reductions. The discussion below describes that the emissions reductions are identifiable and permanent through a legally enforceable permit. The reductions continue to correlate with lower monitoring data.

The MDEQ identified Mueller Industries as the sole source of lead emissions in or near the nonattainment area. Between the years 2009 and 2012, Mueller Industries, also known as Extruded Metals, Inc., has implemented various control measures on their west chip and east chip dryers that resulted in decreased emissions (Table 3). These controls are required in a permanent permit, which is legally enforceable. Attachment B contains the modeling demonstration the MDEQ used to verify that these permanent and enforceable measures would bring the facility into compliance.

Table 3
Lead Control Measures for Mueller Industries, Belding, Michigan

Date	Control Measure
August 2010	Discontinued operation of uncontrolled east chip dryer.
September 2010	Installation of enhanced scrubber system on west chip dryer.
October 2011	Permit to Install (PTI) No. 16-11 issued which limits lead emissions and requires use of cyclone, thermal oxidizer, precooler/wet scrubber and demister on west and east chip dryers.
January 2012	West chip dryer stack height increased by 122 feet as required by PTI No. 16-11.

The most important of the permanent and enforceable emission reduction control measures is new emission control equipment required under Consent Order 9-2011 and Permit to Install (PTI) 16-11 (Attachment C), issued October 20, 2011. The Order required Mueller Industries to maintain the enforceable emission limits stated in the PTI at all times. PTI 16-11 is legally enforceable and requires permanent changes the MDEQ considers to be Reasonable Available Control Technology (RACT) for lead as required for nonattainment areas under Section 172(c)(1) of the CAA. These measures include required use of a cyclone, thermal oxidizer, precooler/wet scrubber, and demister to reduce particulate matter emissions, including lead, on each chip dryer, and an increased height on the dryer's stack. Additionally, the PTI and Consent Order require that operation of the east chip dryer must be discontinued until controls similar to those on the west chip dryer are installed and running properly. PTI 16-11 was modified on March 15, 2012 (Attachment C), to allow operation of the east chip dryer only after its stack height is increased to 122 feet. All other conditions of the PTI remained the same. The required controls and the lower emissions limits in the PTI resulted in lead levels meeting the NAAQS as demonstrated by air monitoring data collected over the 2011-

2014 time period. The MDEQ requests that these controls be approved as RACT for lead.

Mueller Industries' emissions inventories for lead during the nonattainment years (2009 and 2011), attainment year (2013), and future year (2025) are shown in Table 4. The lead emissions that Mueller Industries reported to the MDEQ during that period through the Michigan Air Emissions Reporting System are included in Table 4. The future year emissions in Table 4 are based on a projected 25 percent reduction in lead usage in brass material at Mueller Industries as a direct result of the 2011 federal Reduction of Lead in Drinking Water Act. This Act prohibits the use of lead in plumbing fittings or fixtures. At their Belding facility, Mueller Industries produces brass rods that are then used to produce, among other things, plumbing fixtures and fittings. Effective January 4, 2014, plumbing fittings and fixtures must go from a weighted average of 8.0 percent lead to 0.25 percent lead. This reduction forces Mueller Industries to reduce the amount of lead in their brass rod production. Table 4 shows the downward trend in lead emissions from Mueller Industries as a result of these changes.

Table 4
Emissions Inventories for Mueller Industries, Belding, Michigan
(Emissions Reported in Pounds)

	Year	Emissions
Nonattainment Years	2009	2,277.73
	2011	1,402.93
Attainment Year	2013	1,153.15
Future Year	2025	864

Over the 3-year span of 2012-2014, lead emissions in the city of Belding have been reduced, resulting in ambient air levels below the Lead NAAQS of 0.15 $\mu g/m^3$. Permanent and enforceable reductions in lead emissions at the lone emission source have occurred and are projected to continue into the future. Therefore, the MDEQ demonstrates that the improvement in air quality is due to permanent and enforceable reductions.

3. Section 175A Maintenance Plan.

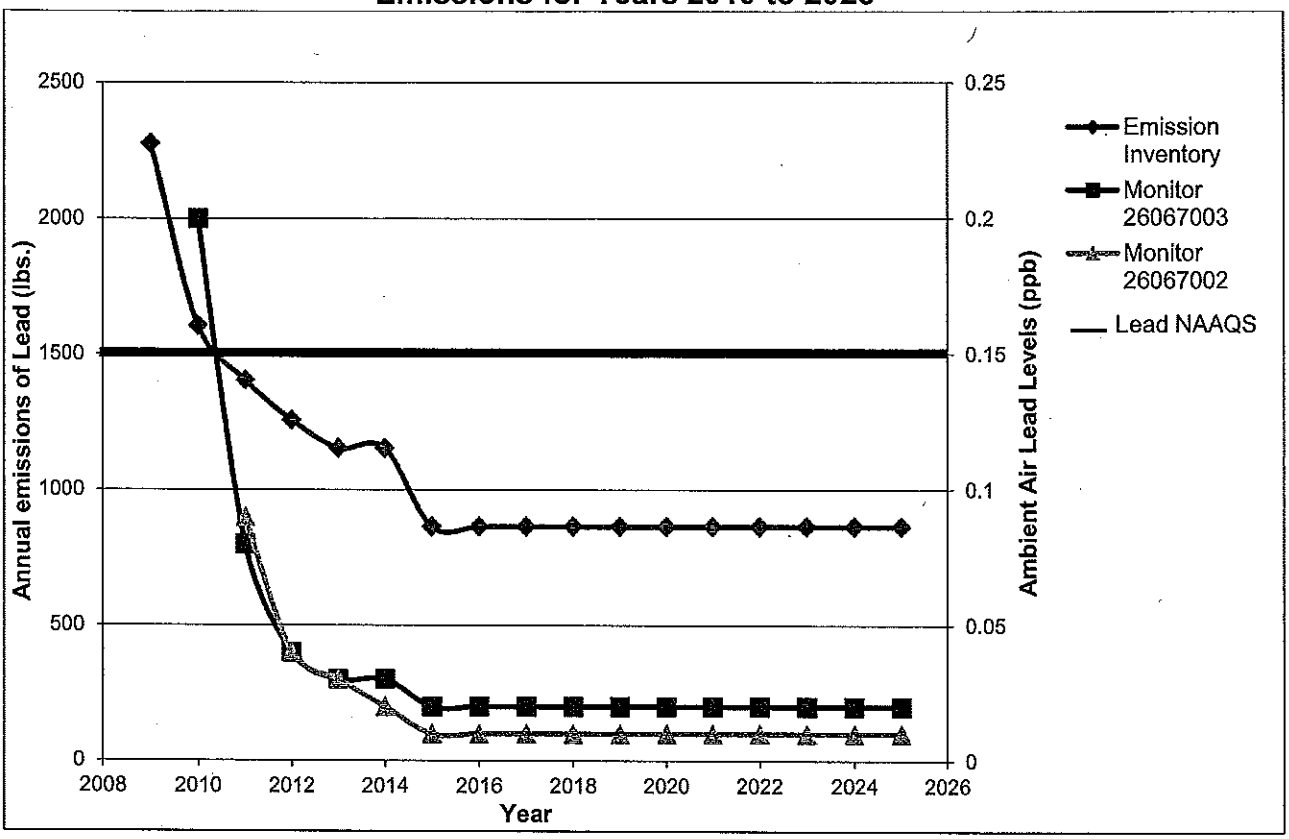
The third element of a redesignation request is an approved maintenance plan under Section 175A of the CAA. The elements of a Section 175A maintenance plan are: (1) maintenance of the standard for 10 years, and (2) contingency measures that will be enacted without major state or federal action if the standard is violated. For the 2008 Lead NAAQS, the MDEQ submits the following Section 175A maintenance plan for approval.

The limited sources and permanent emission reductions demonstrate that the NAAQS will be maintained for the next 10-year period, 2015-2025. The data in Table 1 shows not only an improvement in the Belding ambient data over the 3-year period of 2012-2014, but also that the area is currently attaining the 2008 Lead NAAQS. Due to the reduction in lead usage in brass manufacturing at Mueller Industries, the MDEQ is projecting a 25

percent decrease in estimated future emissions from the source (Table 4). Based on the current attainment of the NAAQS and the future projected decreased emissions from the source, the MDEQ projects continuing maintenance of the 2008 Lead NAAQS.

The lead emissions and projected ambient air lead levels for 2015-2025 are shown in Figure 3 and demonstrate maintenance of the standard for a 10-year period.

Figure 3
Actual and Projected Lead Monitoring Data and Emissions for Years 2010 to 2025



The MDEQ will monitor ambient lead levels during the 10-year period at a Belding air monitoring site to demonstrate continued maintenance of the Lead NAAQS. The MDEQ will also continue to enter the air monitoring data into the Air Quality System and submit periodic emissions inventories to the USEPA to verify continued attainment.

In the unlikely event that the Lead NAAQS is violated during this 10-year period, the MDEQ commits to implement one or more of the following contingency measures or any other measure deemed appropriate and effective at the time of the selection:

i. Increase inspection frequency of Mueller Industries to twice per year, beginning three months after a quality-assured violation of the NAAQS level at a Belding air

monitoring site. The increased inspection frequency will remain in place until the quality-assured lead ambient air monitored levels show NAAQS compliance on a 3-year rolling average.

ii. Require Mueller Industries to submit an enhanced preventative maintenance/malfunction abatement plan within six months after a quality-assured violation of the NAAQS level at a Belding air monitoring site.

iii. Require Mueller Industries to reassess control strategies that further limit lead emissions within one year of a quality-assured violation of the NAAQS level at a Belding air monitoring site.

4. Section 110 and Part D Requirements.

The last element in a redesignation request is to show that both the CAA Section 110 and Part D requirements have been meet. On April 3, 2012, the MDEQ submitted a SIP revision for the Section 110 requirements for the 2008 primary and secondary lead standards. This submittal was approved by the USEPA on July 16, 2014 (79 FR 41439), and establishes that the Section 110 requirements have been met for this redesignation request.

The Part D requirements applicable to this redesignation request include the CAA Section 172 nonattainment plan provisions, the Section 175A maintenance plan, and the Section 176 conformity requirements. All other nonattainment plan and maintenance plan requirements were suspended as a result of the Clean Data Determination (Attachment A), except for the Section 172(c)(3) emission inventory requirement. The MDEQ last submitted lead emissions inventories to the USEPA with the 2013 point source inventory submittal on December 19, 2014.

The MDEQ meets the Section 172(c)(3) emission inventory requirements through Table 4 in this redesignation request. To show compliance with the conformity requirements, the State's General Conformity SIP was approved on December 18, 1996 (61 FR 66607), and lead is not subject to the transportation conformity requirements due to the elimination of lead additives in gasoline (see 73 FR 66964).

Conclusion

The requirements for redesignation of a nonattainment area, as stated above, are: (1) attainment of the NAAQS; (2) improvement in air quality due to permanent and enforceable reductions; (3) complete Section 175A maintenance plan; (4) meet CAA Section 110 and Part D requirements; and (5) meet 40 CFR Part 51, Appendix V requirements. The MDEQ, through this submittal, has demonstrated the nonattainment area in Belding is attaining the 2008 Lead NAAQS, the improvement in air quality is due to permanent and enforceable reductions, and the MDEQ has a complete 175A maintenance plan. The MDEQ has also shown that, through previous SIP submittals, the CAA Section 110 requirements and Part D requirements for the 2008 Lead NAAQS have been met. The MDEQ has also demonstrated the applicable requirements of 40 CFR Part 51, Appendix V for SIP revisions have been met. Therefore, the MDEQ requests

redesignation of the city of Belding nonattainment area to attainment for the 2008 Lead NAAQS and inclusion into the State's SIP of the maintenance plan under Section 3 of this submittal.

ATTACHMENT A

various levels of government. We have analyzed this rule under that Order and determined that this rule does not have implications for federalism.

6. Protest Activities

The Coast Guard respects the First Amendment rights of protesters. Protesters are asked to contact the person listed in the FOR FURTHER INFORMATION CONTACT section to coordinate protest activities so that your message can be received without jeopardizing the safety or security of people, places or vessels.

7. Unfunded Mandates Reform Act

The Unfunded Mandates Reform Act of 1995 (2 U.S.C. 1531–1538) requires Federal agencies to assess the effects of their discretionary regulatory actions. In particular, the Act addresses actions that may result in the expenditure by a State, local, or tribal government, in the aggregate, or by the private sector of $100,000,000 (adjusted for inflation) or more in any one year. Though this rule will not result in such an expenditure, we do discuss the effects of this rule elsewhere in this preamble.

8. Taking of Private Property

This rule will not cause a taking of private property or otherwise have taking implications under Executive Order 12630, Governmental Actions and Interference with Constitutionally Protected Property Rights.

9. Civil Justice Reform

This rule meets applicable standards in sections 3(a) and 3(b)(2) of Executive Order 12988, Civil Justice Reform, to minimize litigation, eliminate ambiguity, and reduce burden.

10. Protection of Children

We have analyzed this rule under Executive Order 13045, Protection of Children from Environmental Health Risks and Safety Risks. This rule is not an economically significant rule and does not create an environmental risk to health or risk to safety that may disproportionately affect children.

11. Indian Tribal Governments

This rule does not have tribal implications under Executive Order 13175, Consultation and Coordination with Indian Tribal Governments, because it does not have a substantial direct effect on one or more Indian tribes, on the relationship between the Federal Government and Indian tribes, or on the distribution of power and responsibilities between the Federal Government and Indian tribes.

12. Energy Effects

This action is not a "significant energy action" under Executive Order 13211, Actions Concerning Regulations That Significantly Affect Energy Supply, Distribution, or Use.

13. Technical Standards

This rule does not use technical standards. Therefore, we did not consider the use of voluntary consensus standards.

14. Environment

We have analyzed this rule under Department of Homeland Security Management Directive 023–01 and Commandant Instruction M16475.lD, which guide the Coast Guard in complying with the National Environmental Policy Act of 1969 (NEPA) (42 U.S.C. 4321–4370f), and have determined that this action is one of a category of actions that do not individually or cumulatively have a significant effect on the human environment. This rule involves the establishment of a safety zone and, therefore, it is categorically excluded from further review under paragraph 34(g) of Figure 2–1 of the Commandant Instruction. An environmental analysis checklist supporting this determination and a Categorical Exclusion Determination are available in the docket where indicated under ADDRESSES. We seek any comments or information that may lead to the discovery of a significant environmental impact from this rule.

List of Subjects in 33 CFR Part 165

Harbors, Marine safety, Navigation (water), Reporting and recordkeeping requirements, Security measures, Waterways.

For the reasons discussed in the preamble, the Coast Guard amends 33 CFR part 165 as follows:

PART 165—REGULATED NAVIGATION AREAS AND LIMITED ACCESS AREAS

■ 1. The authority citation for part 165 continues to read as follows:

Authority: 33 U.S.C. 1231; 50 U.S.C. 191; 33 CFR 1.05–1, 6.04–1, 6.04–6, and 160.5; Department of Homeland Security Delegation No. 0170.1.

■ 2. Add § 165.T09–0659 to read as follows:

§ 165.T09–0659 Safety Zone; Cleveland Triathlon, Lake Erie, North Coast Harbor, Cleveland, OH.

(a) *Location.* This zone will encompass all waters of Lake Erie, North Coast Harbor, Cleveland, OH within the vicinity of position 41°30′29.66″ N. and 081°41′46.33″ W. (NAD 83) extending in a straight line approximately .4 miles NNW out of the transient marina into the East Basin.

(b) *Enforcement period.* This regulation will be enforced on July 26, 2015 from 5:45 a.m. until 10:15 a.m.

(c) *Regulations.* (1) In accordance with the general regulations in § 165.23 of this part, entry into, transiting, or anchoring within this safety zone is prohibited unless authorized by the Captain of the Port Buffalo or his designated on-scene representative.

(2) This safety zone is closed to all vessel traffic, except as may be permitted by the Captain of the Port Buffalo or his designated on-scene representative.

(3) The "on-scene representative" of the Captain of the Port Buffalo is any Coast Guard commissioned, warrant or petty officer who has been designated by the Captain of the Port Buffalo to act on his behalf.

(4) Vessel operators desiring to enter or operate within the safety zone shall contact the Captain of the Port Buffalo or his on-scene representative to obtain permission to do so. The Captain of the Port Buffalo or his on-scene representative may be contacted via VHF Channel 16. Vessel operators given permission to enter or operate in the safety zone must comply with all directions given to them by the Captain of the Port Buffalo, or his on-scene representative.

Dated: July 14, 2015.

B.W. Roche,

Captain, U.S. Coast Guard, Captain of the Port Buffalo.

[FR Doc. 2015–18206 Filed 7–23–15; 8:45 am]

BILLING CODE 9110–04–P

ENVIRONMENTAL PROTECTION AGENCY

40 CFR Part 52

[EPA–R05–OAR–2015–0407; FRL–9930–81–Region 5]

Air Plan Approval; MI, Belding; 2008 Lead Clean Data Determination

AGENCY: Environmental Protection Agency (EPA).

ACTION: Direct final rule.

SUMMARY: On May 13, 2015, the Michigan Department of Environmental Quality (MDEQ) submitted a request to the Environmental Protection Agency (EPA) to make a determination under the Clean Air Act (CAA) that the Belding, MI nonattainment area has attained the 2008 lead (Pb) national

ambient air quality standard (NAAQS or standard). In this action, EPA is determining that the Belding, MI nonattainment area (hereafter also referred to as the "Belding area" or "area") has attained the 2008 Pb NAAQS. This clean data determination is based upon complete, quality-assured and certified ambient air monitoring data for the 2012–2014 period showing that the area has monitored attainment of the 2008 Pb NAAQS. Additionally, as a result of this determination, EPA is suspending the requirements for the area to submit an attainment demonstration, together with reasonably available control measures (RACM), a reasonable further progress (RFP) plan, contingency measures for failure to meet the RFP plan, and the attainment deadline for as long as the area continues to attain the 2008 Pb NAAQS.

DATES: This direct final rule will be effective September 22, 2015, unless EPA receives adverse comments by August 24, 2015. If adverse comments are received, EPA will publish a timely withdrawal of the direct final rule in the Federal Register informing the public that the rule will not take effect.

ADDRESSES: Submit your comments, identified by Docket ID No. EPA–R05–OAR–2015–0407, by one of the following methods:

1. *www.regulations.gov:* Follow the on-line instructions for submitting comments.
2. *Email: aburano.douglas@epa.gov.*
3. *Fax:* (312) 408–2279.
4. *Mail:* Douglas Aburano, Chief, Attainment Planning and Maintenance Section, Air Programs Branch (AR–18J), U.S. Environmental Protection Agency, 77 West Jackson Boulevard, Chicago, Illinois 60604.
5. *Hand Delivery:* Douglas Aburano, Chief, Attainment Planning and Maintenance Section, Air Programs Branch (AR–18J), U.S. Environmental Protection Agency, 77 West Jackson Boulevard, Chicago, Illinois 60604. Such deliveries are only accepted during the Regional Office normal hours of operation, and special arrangements should be made for deliveries of boxed information. The Regional Office official hours of business are Monday through Friday, 8:30 a.m. to 4:30 p.m., excluding Federal holidays.

Instructions: Direct your comments to Docket ID No. EPA–R05–OAR–2015–0407. EPA's policy is that all comments received will be included in the public docket without change and may be made available online at *www.regulations.gov,* including any personal information provided, unless the comment includes information claimed to be Confidential Business Information (CBI) or other information whose disclosure is restricted by statute. Do not submit information that you consider to be CBI or otherwise protected through *www.regulations.gov* or email. The *www.regulations.gov* Web site is an "anonymous access" system, which means EPA will not know your identity or contact information unless you provide it in the body of your comment. If you send an email comment directly to EPA without going through *www.regulations.gov* your email address will be automatically captured and included as part of the comment that is placed in the public docket and made available on the Internet. If you submit an electronic comment, EPA recommends that you include your name and other contact information in the body of your comment and with any disk or CD–ROM you submit. If EPA cannot read your comment due to technical difficulties and cannot contact you for clarification, EPA may not be able to consider your comment. Electronic files should avoid the use of special characters, any form of encryption, and be free of any defects or viruses.

Docket: All documents in the docket are listed in the *www.regulations.gov* index. Although listed in the index, some information is not publicly available, *e.g.,* CBI or other information whose disclosure is restricted by statute. Certain other material, such as copyrighted material, will be publicly available only in hard copy. Publicly available docket materials are available either electronically in *www.regulations.gov* or in hard copy at the Environmental Protection Agency, Region 5, Air and Radiation Division, 77 West Jackson Boulevard, Chicago, Illinois 60604. This facility is open from 8:30 a.m. to 4:30 p.m., Monday through Friday, excluding Federal holidays. We recommend that you telephone Sarah Arra, Environmental Scientist, at (312) 886–9401 before visiting the Region 5 office.

FOR FURTHER INFORMATION CONTACT: Sarah Arra, Environmental Scientist, Attainment Planning and Maintenance Section, Air Programs Branch (AR–18J), Environmental Protection Agency, Region 5, 77 West Jackson Boulevard, Chicago, Illinois 60604, (312) 886–9401, *arra.sarah@epa.gov.*

SUPPLEMENTARY INFORMATION: Throughout this document whenever "we," "us," or "our" is used, we mean EPA. This supplementary information section is arranged as follows:

I. What action is EPA taking?

EPA is taking final action to determine that the Belding area has attained the 2008 Pb NAAQS. This is based upon complete, quality-assured and certified ambient air monitoring data for the 2012–2014 monitoring period showing that the area has monitored attainment of the 2008 Pb NAAQS.

Further, with this clean data determination, the requirements for the Belding area to submit an attainment demonstration together with RACM, a RFP plan, and contingency measures for failure to meet the RFP plan and attainment deadlines are suspended for as long as the area continues to attain the 2008 Pb NAAQS. As discussed below, this action is consistent with EPA's regulations and with its longstanding interpretation of subpart 1 of part D of the CAA.

If the Belding area violates the 2008 Pb NAAQS after this action, the basis for the suspension of these attainment planning requirements would no longer exist for that area, and the area would thereafter have to address applicable requirements.

II. What is the background for this action?

On November 12, 2008 (73 FR 66964), EPA established a 2008 primary and secondary Pb NAAQS at 0.15 micrograms per cubic meter ($\mu g/m^3$) based on a maximum arithmetic three-month mean concentration for a three-year period. *See* 40 CFR 50.16. This is the "2008 Pb NAAQS." On November 22, 2010 (75 FR 71033), EPA published its initial air quality designations for the 2008 Pb NAAQS based upon air quality monitoring data for calendar years 2007–2009. On November 22, 2011 (76 FR 72097), EPA published a second and final round of designations for the 2008 Pb NAAQS based upon air quality monitoring data for calendar years 2008–2010. As part of the second round, the Belding area was designated nonattainment for the 2008 Pb NAAQS.

On May 13, 2015, MDEQ submitted a request to EPA to make a determination that the Belding area has attained the 2008 Pb NAAQS based on complete, quality-assured, quality-controlled monitoring data from 2012 through 2014. For the reasons set forth in this document, EPA finds the request approvable.

III. Application of EPA's Clean Data Policy to the 2008 Pb NAAQS

Following enactment of the CAA Amendments of 1990, EPA promulgated its interpretation of the requirements for implementing the NAAQS in the General Preamble for the Implementation of Title I of the CAA Amendments of 1990 (General Preamble) 57 FR 13498, 13564 (April 16, 1992). In 1995, based on the interpretation of CAA sections 171 and 172, and section 182 in the General Preamble, EPA set forth what has become known as its "Clean Data Policy" for the 1-hour ozone NAAQS. *See* Memorandum from John S. Seitz, Director, Office of Air Quality Planning and Standards, "RFP, Attainment Demonstration, and Related Requirements for Ozone Nonattainment areas Meeting the Ozone National Ambient Air Quality Standard" (May 10, 1995). In 2004, EPA indicated its intention to extend the Clean Data Policy to the fine particulates ($PM_{2.5}$) NAAQS. *See* Memorandum from Steve Page, Director, EPA Office of Air Quality Planning and Standards, "Clean Data Policy for the Fine Particle National Ambient Air Quality Standards" (December 14, 2004). This policy was extended to Pb in 2012 (*see* 77 FR 35653).

Since 1995, EPA has applied its interpretation under the Clean Data Policy in many rulemakings, suspending certain attainment-related planning requirements for individual areas, based on a clean data determination. For a full discussion on EPA's application of this policy, see section III of the Bristol, Tennessee Determination of Attaining Data for the 2008 Pb Standards (77 FR 35653).

IV. Does the Belding area meet the 2008 Pb NAAQS?

A. Criteria

This rulemaking assesses whether the Belding area has attained the 2008 Pb NAAQS, based on the most recent three years of quality-assured data. The Belding area is comprised of a partial county area in Ionia County[1] and surrounds the Mueller Industries facility.

Under EPA regulations at 40 CFR 50.16, the 2008 primary and secondary Pb standards are met when the maximum arithmetic three-month mean concentration for a three-year period, as determined in accordance with 40 CFR part 50, appendix R, is less than or equal to 0.15 $\mu g/m^3$ at all relevant monitoring sites in the subject area.

EPA has reviewed the ambient air monitoring data for the Belding area in accordance with the provisions of 40 CFR part 50, appendix R. All data considered are complete, quality-assured, certified, and recorded in EPA's Air Quality System database. This review addresses air quality data collected in the 2012–2014 period which are the most recent quality-assured data available.

B. Belding Area Air Quality

The Belding area has two monitoring sites that are Federal reference method source-oriented monitors which meet the quality assurance requirements of 40 CFR 58, appendix A.[2] After the Mueller Industries facility: Restricted Pb emissions on its chip driers and induction furnaces, implemented a preventative maintenance plan, properly operated controls, increased stack height of the chip driers, and increased monitoring, testing, and record keeping, as required through state rules by October of 2013, the monitored Pb values were well below the standard.

Table 1 shows the 2012–2014 three-month rolling averages for Belding Area monitor 26–067–0002 in $\mu g/m^3$.

Location	3-month period	2012	2013	2014
545 Reed St	Nov–Jan[3]	0.03	0.02	0.02
	Dec–Feb	0.04	0.01	0.02
	Jan–Mar	0.05	0.01	0.02
	Feb–Apr	0.04	0.01	0.01
	Mar–May	0.04	0.03	0.02
	Apr–Jun	0.04	0.03	0.02
	May–July	0.04	0.04	0.02
	Jun–Aug	0.04	0.05	0.01
	July–Sept	0.05	0.05	0.04
	Aug–Oct	0.04	0.06	0.04
	Sept–Nov	0.03	0.04	0.04
	Oct–Dec	0.02	0.04	0.02

Table 2 shows the 2012–2014 three-month rolling averages for Belding Area monitor 26–067–0003 in $\mu g/m^3$.

Location	3-month period	2012	2013	2014
509 Merrick St	Nov–Jan[4]	0.02	0.02	0.05
	Dec–Feb	0.02	0.03	0.03
	Jan–Mar	0.03	0.03	0.02
	Feb–Apr	0.04	0.03	0.04

[1] The specific area is bounded by the following coordinates: Southeast corner by latitude 43.0956705 N and longitude 85.2130771 W; southwest corner (intersection of S. Broas St. and W. Washington St.) by latitude 43.0960358 N and longitude 85.2324027 W; northeast corner by latitude 43.1074942 N and longitude 85.2132313 W; western boundary 1 (intersection of W. Ellis St. and the vertical extension of S. Broas St.) by latitude 43.1033277 N and longitude 85.2322553 W; western boundary 2 (intersection of W. Ellis St. and N. Bridge St.) by latitude 43.1033911 N and longitude 85.2278464 W; western boundary 3 (intersection of N. Bridge St. and Earle St.) by latitude 43.1074479 N and longitude 85.2279722 W.

[2] During a routine audit, the monitor at site 26–067–0002 was discovered to be 0.13 meters below the recommended height. However, EPA determined that this would have minimal effect on the data and, if any, would incorrectly measure concentrations as too high, rather than too low. Therefore, the data were determined valid. The problem was fixed on October 9, 2014 (*see* Belding Reed Memorandum in the docket).

[3] When calculating a three-month rolling average, the first two data points, November through January for 2012 and December through February of 2012, would additionally use data from November and December of 2011.

Location	3-month period	2012	2013	2014
	Mar–May	0.05	0.03	0.04
	Apr–Jun	0.06	0.03	0.04
	May–July	0.05	0.04	0.03
	Jun–Aug	0.05	0.04	0.03
	July–Sept	0.04	0.04	0.03
	Aug–Oct	0.03	0.03	0.03
	Sept–Nov	0.02	0.04	0.03
	Oct–Dec	0.02	0.05	0.04

The data shown in Tables 1 and 2 are complete, quality-assured, and certified and show 0.06 μg/m³ as the highest three-month rolling average.

The Mueller Industries facility's National Emissions Inventory emissions in 2011 were 0.70 tons per year. With the combination of restricted Pb emissions, preventative maintenance plan, properly operating controls, increased stacks, and increased monitoring, testing, and recordkeeping at the facility, the area is now monitoring less than half of the standard.

EPA's review of these data indicates that the Belding area has attained and continues to attain the 2008 Pb NAAQS, with a design value of 0.06 μg/m³ for the period of 2012–2014.

V. What is the effect of this action?

Based on complete, quality-assured and certified data for 2012–2014, EPA is determining that the Belding area has attained the 2008 Pb NAAQS. The requirements for MDEQ to submit an attainment demonstration and associated RACM, a RFP plan, contingency measures, and any other planning State Implementation Plans related to attainment of the 2008 Pb NAAQS for the Belding area is suspended for as long as the area continues to attain the 2008 Pb NAAQS. This EPA rulemaking is consistent and in keeping with its long-held interpretation of CAA requirements, as well as with EPA's regulations for similar determinations for ozone (*see* 40 CFR 51.918) and $PM_{2.5}$ (*see* 40 CFR 51.1004(c)).

This action does not constitute a redesignation of the area to attainment of the 2008 Pb NAAQS under section 107(d)(3) of the CAA. This action does not involve approving a maintenance plan for the area as required under section 175A of the CAA, nor does it find that the area has met all other requirements for redesignation. The Belding area remains designated nonattainment for the 2008 Pb NAAQS until such time as EPA determines that the area meets the CAA requirements for redesignation to attainment and takes action to redesignate the area.

We are publishing this action without prior proposal because we view this as a noncontroversial amendment and anticipate no adverse comments. However, in the proposed rules section of this Federal Register publication, we are publishing a separate document that will serve as the proposal to approve the state plan if relevant adverse written comments are filed. This rule will be effective September 22, 2015 without further notice unless we receive relevant adverse written comments by August 24, 2015. If we receive such comments, we will withdraw this action before the effective date by publishing a subsequent document that will withdraw the final action. Public comments received will then be addressed in a subsequent final rule based on the proposed action. EPA will not institute a second comment period. Any parties interested in commenting on this action should do so at this time. Please note that if EPA receives adverse comment on an amendment, paragraph, or section of this rule and if that provision may be severed from the remainder of the rule, EPA may adopt as final those provisions of the rule that are not the subject of an adverse comment. If we do not receive any comments, this action will be effective September 22, 2015.

VI. Statutory and Executive Order Reviews

This action makes a clean data determination for the Belding area for the 2008 Pb NAAQS based on air quality data and results in the suspension of certain Federal requirements and does not impose any additional requirements. For that reason, this action:

- Is not a "significant regulatory action" subject to review by the Office of Management and Budget under Executive Orders 12866 (58 FR 51735, October 4, 1993) and 13563 (76 FR 3821, January 21, 2011);
- Does not impose an information collection burden under the provisions of the Paperwork Reduction Act (44 U.S.C. 3501 *et seq.*);
- Is certified as not having a significant economic impact on a substantial number of small entities under the Regulatory Flexibility Act (5 U.S.C. 601 *et seq.*);
- Does not contain any unfunded mandate or significantly or uniquely affect small governments, as described in the Unfunded Mandates Reform Act of 1995 (Pub. L. 104–4);
- Does not have Federalism implications as specified in Executive Order 13132 (64 FR 43255, August 10, 1999);
- Is not an economically significant regulatory action based on health or safety risks subject to Executive Order 13045 (62 FR 19885, April 23, 1997);
- Is not a significant regulatory action subject to Executive Order 13211 (66 FR 28355, May 22, 2001);
- Is not subject to requirements of Section 12(d) of the National Technology Transfer and Advancement Act of 1995 (15 U.S.C. 272 note) because application of those requirements would be inconsistent with the CAA; and
- Does not provide EPA with the discretionary authority to address, as appropriate, disproportionate human health or environmental effects, using practicable and legally permissible methods, under Executive Order 12898 (59 FR 7629, February 16, 1994).

In addition, the clean data determination is not approved to apply on any Indian reservation land or in any other area where EPA or an Indian tribe has demonstrated that a tribe has jurisdiction. In those areas of Indian country, the rule does not have tribal implications and will not impose substantial direct costs on tribal governments or preempt tribal law as specified by Executive Order 13175 (65 FR 67249, November 9, 2000).

The Congressional Review Act, 5 U.S.C. 801 *et seq.*, as added by the Small Business Regulatory Enforcement Fairness Act of 1996, generally provides that before a rule may take effect, the agency promulgating the rule must submit a rule report, which includes a copy of the rule, to each House of the Congress and to the Comptroller General

[4] The 2012 data set includes data from November and December of 2011.

of the United States. EPA will submit a report containing this action and other required information to the U.S. Senate, the U.S. House of Representatives, and the Comptroller General of the United States prior to publication of the rule in the Federal Register. A major rule cannot take effect until 60 days after it is published in the Federal Register. This action is not a "major rule" as defined by 5 U.S.C. 804(2).

Under section 307(b)(1) of the CAA, petitions for judicial review of this action must be filed in the United States Court of Appeals for the appropriate circuit by September 22, 2015. Filing a petition for reconsideration by the Administrator of this final rule does not affect the finality of this action for the purposes of judicial review nor does it extend the time within which a petition for judicial review may be filed, and shall not postpone the effectiveness of such rule or action. Parties with objections to this direct final rule are encouraged to file a comment in response to the parallel notice of proposed rulemaking for this action published in the proposed rules section of this Federal Register, rather than file an immediate petition for judicial review of this direct final rule, so that EPA can withdraw this direct final rule and address the comment in the proposed rulemaking. This action may not be challenged later in proceedings to enforce its requirements. (See section 307(b)(2)).

List of Subjects in 40 CFR Part 52

Environmental protection, Air pollution control, Incorporation by reference, Intergovernmental relations, Lead, Reporting and recordkeeping requirements.

Dated: July 14, 2015.

Susan Hedman,

Regional Administrator, Region 5.

40 CFR part 52 is amended as follows:

PART 52—APPROVAL AND PROMULGATION OF IMPLEMENTATION PLANS

■ 1. The authority citation for part 52 continues to read as follows:

Authority: 42 U.S.C. 7401 *et seq.*

■ 2. Add § 52.1188 to read as follows:

§ 52.1188 Control strategy: Lead (Pb).

(a) Based upon EPA's review of the air quality data for the three-year period 2012 to 2014, EPA determined that the Belding, MI Pb nonattainment area has attained the 2008 Pb National Ambient Air Quality Standard (NAAQS). This clean data determination suspends the requirements for this area to submit an attainment demonstration, associated reasonably available control measures, a reasonable further progress plan, contingency measures, and other planning SIPs related to attainment of the standard as long as this area continues to meet the 2008 Pb NAAQS.

(b) [Reserved]

[FR Doc. 2015–18103 Filed 7–23–15; 8:45 am]

BILLING CODE 6560–50–P

ENVIRONMENTAL PROTECTION AGENCY

40 CFR Part 52

[EPA–R01–OAR–2014–0842; A–1–FRL–9927–32–Region 1]

Approval and Promulgation of Air Quality Implementation Plans; Connecticut; Prevention of Significant Deterioration and Nonattainment New Source Review

AGENCY: Environmental Protection Agency (EPA).

ACTION: Direct final rule.

SUMMARY: The Environmental Protection Agency (EPA) is taking direct final action to fully approve revisions to the State of Connecticut's State Implementation Plan (SIP) relating to regulation of fine particulate matter ($PM_{2.5}$) emissions within the context of EPA's Prevention of Significant Deterioration (PSD) regulations. EPA is also approving clarifications to the applicability section of Connecticut's Nonattainment New Source Review (NNSR) regulations. These revisions will be part of Connecticut's major stationary source preconstruction permitting programs, and are intended to align Connecticut's regulations with the federal PSD and NNSR regulations. This action is being taken in accordance with the Clean Air Act (CAA).

DATES: This direct final rule will be effective September 22, 2015, unless EPA receives adverse comments by August 24, 2015. If adverse comments are received, EPA will publish a timely withdrawal of the direct final rule in the Federal Register informing the public that the rule will not take effect.

ADDRESSES: Submit your comments, identified by Docket ID Number EPA–R01–OAR–2014–0842 by one of the following methods:

1. *www.regulations.gov:* Follow the on-line instructions for submitting comments.
2. *Email: dahl.donald@epa.gov*
3. *Fax:* (617) 918–0657.
4. *Mail:* "Docket Identification Number EPA–R01–OAR–2014–0842", Donald Dahl, U.S. Environmental Protection Agency, EPA New England Regional Office, Office of Ecosystem Protection, Air Permits, Toxics, and Indoor Programs Unit, 5 Post Office Square—Suite 100, (Mail code OEP05–2), Boston, MA 02109–3912.
5. *Hand Delivery or Courier:* Deliver your comments to: Donald Dahl, U.S. Environmental Protection Agency, EPA New England Regional Office, Office of Ecosystem Protection, Air Permits, Toxics, and Indoor Programs Unit, 5 Post Office Square—Suite 100 (Mail code OEP05–2), Boston, MA 02109–3912. Such deliveries are only accepted during the Regional Office's normal hours of operation. The Regional Office's official hours of business are Monday through Friday, 8:30 a.m. to 4:30 p.m., excluding legal holidays.

Instructions: Direct your comments to Docket ID No. EPA–R01–OAR–2014–0842. EPA's policy is that all comments received will be included in the public docket without change and may be made available online at *www.regulations.gov,* including any personal information provided, unless the comment includes information claimed to be Confidential Business Information (CBI) or other information whose disclosure is restricted by statute. Do not submit through *www.regulations.gov,* or email, information that you consider to be CBI or otherwise protected. The *www.regulations.gov* Web site is an "anonymous access" system, which means EPA will not know your identity or contact information unless you provide it in the body of your comment. If you send an email comment directly to EPA without going through *www.regulations.gov* your email address will be automatically captured and included as part of the comment that is placed in the public docket and made available on the Internet. If you submit an electronic comment, EPA recommends that you include your name and other contact information in the body of your comment and with any disk or CD–ROM you submit. If EPA cannot read your comment due to technical difficulties and cannot contact you for clarification, EPA may not be able to consider your comment. Electronic files should avoid the use of special characters, any form of encryption, and be free of any defects or viruses.

Docket: All documents in the electronic docket are listed in the *www.regulations.gov* index. Although listed in the index, some information may not publicly available, *e.g.,* CBI or other information whose disclosure is restricted by statute. Certain other material, such as copyrighted material,

ATTACHMENT B

Modeling Demonstration for Mueller Industries
Permit 16-11 and Consent Order 9-2011

Air dispersion modeling was used to determine that the proposed control measures would result in ambient air lead levels in the nonattainment area meeting the 2008 National Ambient Air Quality Standard (NAAQS). The modeling demonstrated the maximum impact from the Mueller Industries facility after the proposed control strategies were employed, including adding background concentrations, would be 0.133 micrograms per cubic meter (ug/m^3) on a rolling 3-month average (Figure 1 and Table 1). This modeled maximum concentration is well below the ead NAAQS.

The American Meteorology Society/Environmental Protection Agency Regulatory Model (AERMOD), version 11103, was used for this demonstration. Several pre and post-processors provided the input necessary to run the AERMOD model.

Model Input

- The AERMAP model was used to prepare topographical terrain data for elevations and features that influence dispersion.
- The AERMET model was used to format surface meteorological data from the Grand Rapids airport, and upper air data from the White Lake National Weather Service station. The data set used covered 2005 through 2009. This model also calculates turbulent wake effects caused by structures and buildings.
- Receptors points, points at which pollutant concentrations are determined, were placed in accordance with the USEPA guidance, 40 CFR Part 51, Appendix W. The receptors were spaced to estimate the highest concentrations and to determine possible violations of the Lead NAAQS or a Prevention of Significant Deterioration increment at 25 meters at the fence line, 50 meters in the adjacent neighborhood, and 100 meters at an approximate distance of one kilometer from the facility.
- The four sources of lead emissions included in the modeling were the east and west chip dryers and the melt furnaces controlled by the east and west baghouses.
- Lead occurs naturally in the environment. Therefore, 0.01 ug/m^3 of additional lead was added to the model as a background concentration. This value was determined using data from the nearest monitoring station in Grand Rapids.
- The rural land use setting was used in AERMOD to reflect the small size of the City of Belding that does not exhibit an urban heat island effect.
- AERMOD was used to assess building downwash effects with stacks sized in accordance with Good Engineering Practices.

Figure 1
Mueller Industries – Belding, Michigan
(3-Month Rolling Average (2005-2009) – Lead Impacts)

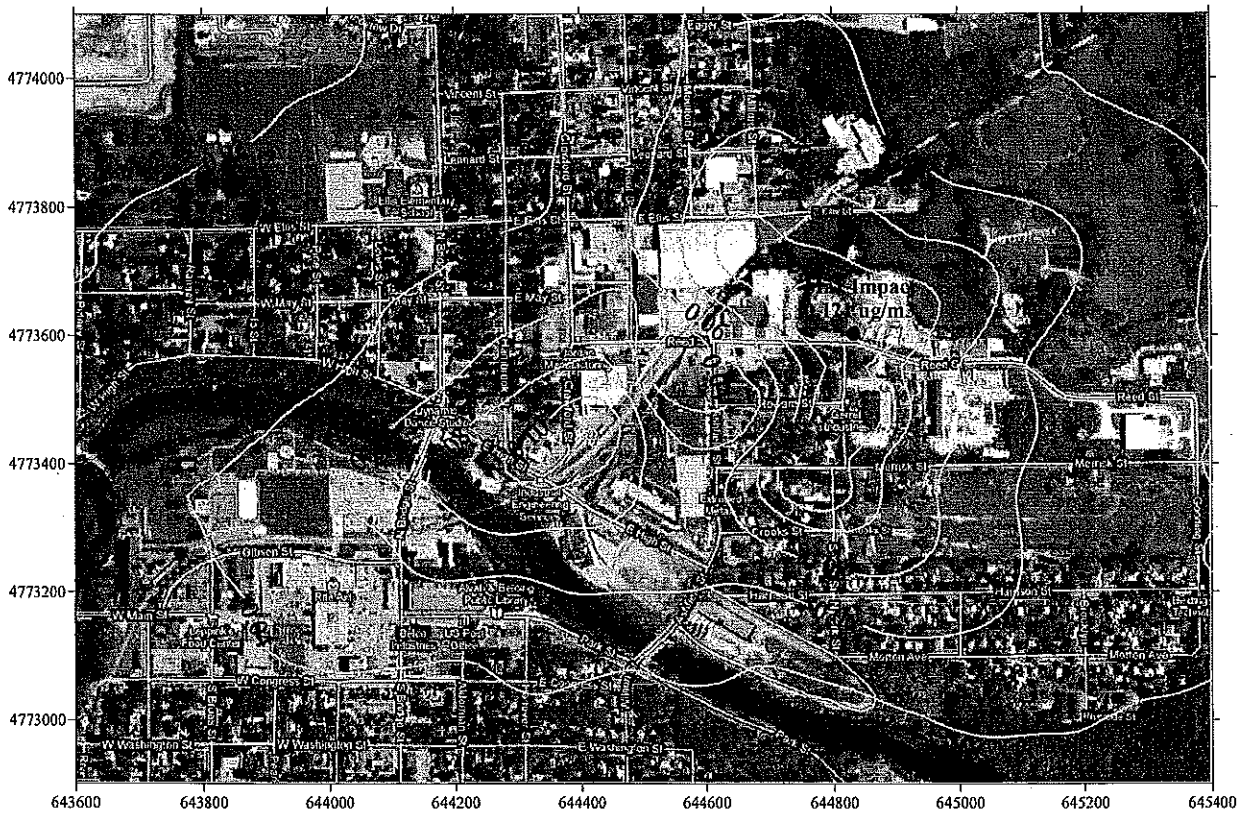


Table 1: Source Impact Data and Threshold Analysis
(Impacts based on AERMOD version 11103 using 2005-2009 Grand Rapids surface meteorology data)
August 1, 2011

NAAQS ANALYSIS										
Pollutant	Combined Emission Rate		Averaging Period	NAAQS Threshold *(µg/m^3)	Ambient Impacts			Total Impact (µg/m^3)	Percent of NAAQS Threshold	Pass/Fail?
	*(lb/hr)	*(g/s)			Facility (µg/m^3)	Offsite Source (µg/m^3)	Background (µg/m^3)			
Lead	0.530	6.68E-02	3-month	0.15	0.123		0.01	0.133	88.7%	Pass

*lb/hr = pound per hour; g/s = grams per second; µg/m=microgram per cubic meter.

Table 2: Source Input Data
(Impacts based on AERMOD version 11103 using 2005-2009 Grand Rapids surface meteorology data)
August 1, 2011

		Lead (maximum) Emission Rate		Stack Height		Exit Temperature		Exit Flow/Velocity		Stack Diameter	
Point Sources	Stack Type	*(lb/hr)	*(g/s)	(feet)	(meters)	*(Deg F)	*(K)	*(ACFM)	*(m/s)	(feet)	(meters)
West dryer	Point	0.300	0.0378	122.0	37.19	180.0	355.4	5,499	8.88	2.00	0.61
East dryer	Point	0.200	0.0252	122.0	37.19	180.0	355.4	5,499	8.88	2.00	0.61
West BH	Point	0.010	0.0013	40.4	12.19	80.0	299.8	59,673	15.52	4.99	1.52
East BH	Point	0.020	0.0025	35.7	10.88	80.0	299.8	59,991	22.35	4.17	1.27

*lb/hr = pound per hour; *g/s = grams per second; *Deg F = Degree Fahrenheit; *K = degrees Kelvin; *ACFM = actual cubic feet per minute; *m/s = meters per second.

ATTACHMENT C

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF THE DIRECTOR

In the matter of administrative proceedings against **EXTRUDED METALS, INC.**, a corporation organized under the laws of the State of Michigan and doing business at 302 Ashfield Street, City of Belding, County of Ionia, State of Michigan	AQD No. 9-2011 SRN: B1650

STIPULATION FOR ENTRY OF FINAL ORDER
BY CONSENT

This proceeding resulted from allegations by the Michigan Department of Environmental Quality (MDEQ) Air Quality Division (AQD) against Extruded Metals, Inc., (Company), a Michigan corporation located at 302 Ashfield Street in the City of Belding, County of Ionia, State of Michigan, with State Registration Number (SRN) B1650. The MDEQ alleges that the Company has violated Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, Michigan Administrative Code (MAC), 2002 AACS, R 336.336.1331 (Rule 331) and Permit to Install (PTI) No. 505-93. Specifically, the MDEQ alleges that the Company has exceeded emission limits for lead, particulate matter and hydrogen chloride for the West Chip Dryer as cited herein and in the Violation Notice from the MDEQ dated December 28, 2009. The Company and MDEQ stipulate to the termination of this proceeding by entry of a Stipulation for Entry of a Final Order by Consent (Consent Order).

The Company and MDEQ stipulate as follows:

1. The Natural Resources and Environmental Protection Act, 1994 PA 451 (Act 451), MCL 324.101 *et seq.* is an act that controls pollution to protect the environment and natural resources in the State.

2. Article II, Pollution Control, Part 55 of Act 451 (Part 55), MCL 324.5501 *et seq.* provides for air pollution control regulations in this State.

3. The MDEQ was created as a principal department within the Executive Branch of the State of Michigan pursuant to Executive Order 2011-1 and has all statutory authority, powers, duties, functions and responsibilities to administer and enforce all provisions of Part 55.

4. The Director has delegated authority to the Chief of the AQD (AQD Chief) to enter into this Consent Order.

5. The termination of this matter by a Consent Order pursuant to Section 5528 of Part 55 is proper and acceptable.

6. The Company and the MDEQ agree that the signing of this Consent Order is for settlement purposes only and does not constitute an admission by the Company that the law has been violated.

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

8. The Company shall achieve compliance with the aforementioned regulations in accordance with the requirements contained in this Consent Order.

COMPLIANCE PROGRAM AND IMPLEMENTATION SCHEDULE

9. A. Permit

PTI 16-11 and any subsequent permit revision shall be attached hereto as Exhibit A and made enforceable as part of this Consent Order.

B. Final Emission Limitations

On and after the effective date of this Consent Order, the lead, particulate matter and hydrogen chloride emission rates from the West Chip Dryer shall not exceed the emission limits specified for Flexible Group FGCHIPDRYERS in PTI 16-11 or any subsequent permit revision.

C. Preventative Maintenance / Malfunction Abatement Plan (PM/MAP)

1. Within 60 days after issuance of PTI 16-11, the Company shall submit to the AQD Grand Rapids District Supervisor for review, a PM/MAP for FGCHIPDRYERS as outlined in PTI 16-11.

2. After approval of the PM /MAP by the AQD Grand Rapids District Supervisor, the Company shall not operate FGCHIPDRYERS unless the PM /MAP, or an alternate plan approved by the AQD Grand Rapids District Supervisor is implemented and maintained. When approved, the PM /MAP shall be attached as Exhibit B, incorporated by reference and made an enforceable part of this Consent Order.

3. Any acceptable changes or updates to the PM/MAP, as reasonably requested by the Company shall be promptly submitted to the AQD Grand Rapids District Supervisor. The revised PM/MAP shall replace the PM/MAP referred to in paragraph 9.C.2 and shall be attached and become an enforceable part of this Consent Order.

GENERAL PROVISIONS

10. This Consent Order in no way affects the Company's responsibility to comply with any other applicable state and federal, or local laws or regulations, including without limitation, any amendments to the federal Clean Air Act, 42 USC 7401 *et seq.*, Act 451, Part 55 or their rules and regulations, or to the State Implementation Plan.

11. This Consent Order constitutes a civil settlement and satisfaction as to the resolution of the violations specifically addressed herein; however, it does not resolve any criminal action that may result from these same violations.

12. Within thirty (30) days after the effective date of this Consent Order, the Company shall pay to the General Fund of the State of Michigan, in the form of a check made payable to the "State of Michigan" and delivered to the Michigan Department of Environmental Quality, Financial and Business Services Division, Revenue Control, P.O. Box 30657, Lansing, Michigan 48909-8157, a settlement amount of $ 176,000 which includes AQD costs for investigation and enforcement. This total settlement amount shall be paid within thirty (30) days of the effective date of this Consent Order. To ensure proper credit, all payments made pursuant to this Consent Order shall include the Agreement Identification No. AQD 1205 on the face of the check. This settlement amount is in addition to any fees, taxes, or other fines that may be imposed on the Company by law.

13. On and after the effective date of this Consent Order, if the Company fails to comply with paragraph 9B of this Consent Order, the Company is subject to stipulated fines of up to $5000 per violation per day. On and after the effective date of this Consent Order, if the Company fails to comply with paragraph 9C of this Consent Order, the Company is subject to stipulated fines of up to $1000 per violation per day. On and after the effective date of this Consent Order, if the Company fails to comply with any other provision of this Consent Order, the Company is subject to a stipulated fine of up to $500.00 per violation. The amount of the stipulated fines imposed pursuant to this paragraph shall be

within the discretion of the MDEQ. Stipulated fines submitted under this Consent Order shall be by check, payable to the State of Michigan within thirty (30) days of written demand and shall be delivered to the Michigan Department of Environmental Quality, Financial and Business Services Division, Revenue Control, P.O. Box 30657, Lansing, Michigan 48909-8157. To ensure proper credit, all payments shall include the Agreement Identification No. AQD 1205-S on the face of the check. Payment of stipulated fines shall not alter or modify in any way the Company's obligation to comply with the terms and conditions of this Consent Order.

14. The AQD, at its discretion, may seek stipulated fines or statutory fines for any violation of this Consent Order which is also a violation of any provision of applicable federal and state law, rule, regulation, permit, or MDEQ administrative order. However, the AQD is precluded from seeking both a stipulated fine under this Consent Order and a statutory fine for the same violation.

15. To ensure timely payment of the settlement amount assessed in paragraph 12 and any stipulated fines assessed pursuant to paragraph 13 of this Consent Order, the Company shall pay an interest penalty to the State of Michigan each time it fails to make a complete or timely payment under this Consent Order. The interest penalty shall be determined at a rate of twelve percent (12%) per year compounded annually, using the full increment of amount due as principal, calculated from the due date specified in this Consent Order until the date that delinquent payment is finally paid in full. Payment of an interest penalty by the Company shall be made to the State of Michigan in accordance with paragraph 12 of this Consent Order. Interest payments shall be applied first towards the most overdue amount or outstanding interest penalty owed by the Company before any remaining balance is applied to subsequent payment amount or interest penalty.

16. The Company agrees not to contest the legal basis for the settlement amount assessed pursuant to paragraph 12. The Company also agrees not to contest the legal basis for any stipulated fines assessed pursuant to paragraph 13 of this Consent Order, but reserves the right to dispute in a court of competent jurisdiction the factual basis upon which a demand by MDEQ of stipulated fines is made. In addition, the Company agrees that said fines have not been assessed by the MDEQ pursuant to Section 5529 of Part 55 and therefore are not reviewable under Section 5529 of Part 55.

17. This compliance program is not a variance subject to the 12 month limitation specified in Section 5538 of Part 55.

18. This Consent Order shall remain in full force and effect for a period of at least three (3) years. Thereafter, the Consent Order shall terminate only upon written notice of termination issued by the AQD Chief. Prior to issuance of a written notice of termination, the Company shall submit a request, to the AQD Chief at the Michigan Department of Environmental Quality, Air Quality Division, P.O. Box 30260, Lansing, Michigan 48909-7760, consisting of a written certification that the Company has fully complied with all the requirements of this Consent Order and has made all payments including all stipulated fines required by this Consent Order. Specifically, this certification shall include: (i) the date of compliance with each provision of the compliance program and the date any payments or stipulated fines were paid; (ii) a statement that all required information has been reported to the AQD Grand Rapid District Supervisor; (iii) confirmation that all records required to be maintained pursuant to this Consent Order are being maintained at the facility; and, (iv) such information as may be requested by the AQD Chief.

19. In the event Extruded Metals, Inc. sells or transfers the facility, with SRN: B1650, it shall advise any purchaser or transferee of the existence of this Consent Order in connection with such sale or transfer. Within thirty (30) calendar days, the Company shall also notify the AQD Grand Rapids District Supervisor, 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 and/or transferee. As a condition of the sale, Extruded Metals, Inc. must obtain the consent of the purchaser and/or transferee, in writing, to assume all of the obligations of this Consent Order. A copy of that agreement shall be forwarded to the AQD Grand Rapids District Supervisor within thirty (30) days of assuming the obligations of this Consent Order.

20. Prior to the effective date of this Consent Order and pursuant to the requirements of Sections 5511 and 5528(3) of Part 55, the public was notified of a 30-day public comment period and was provided the opportunity for a public hearing.

21. Section 5530 of Part 55 may serve as a source of authority but not a limitation under which the Consent Order may be enforced. Further, Part 17 of Act 451 and all other applicable laws and any other legal basis or applicable statute may be used to enforce this Consent Order.

22. The Company hereby stipulates that entry of this Consent Order is a result of an action by MDEQ to resolve alleged violations of its facility located at 302 Ashfield Street, in Belding, Michigan. The Company further stipulates that it will take all lawful actions necessary to fully comply with this

Consent Order, even if the Company files for bankruptcy in the future. The Company will not seek discharge of the settlement amount and any stipulated fines imposed hereunder in any future bankruptcy proceedings, and the Company will take necessary steps to ensure that the settlement amount and any future stipulated fines are not discharged. The Company, during and after any future bankruptcy proceedings, will ensure that the settlement amount and any future stipulated fines remain an obligation to be paid in full by the Company to the extent allowed by applicable bankruptcy law.

The undersigned certifies that he/she is fully authorized by the Company to enter into this Consent Order and to execute and legally bind the Company to it.

EXTRUDED METALS, INC.

GARY WILKERSON V-P/G.C.-Sec.
Print Name and Title

Signature Date: 11/08/2011

The above signatory subscribed and sworn to before me this 8th day of November, 2011.

MARA E. SEATON
STATE OF TENNESSEE NOTARY PUBLIC
SHELBY COUNTY, TENN
My Comm. Expires August 15, 2015

Mara E Seaton
Notary Public

Approved as to Content:

G. Vinson Hellwig, Chief
AIR QUALITY DIVISION
DEPARTMENT OF
ENVIRONMENTAL QUALITY

Dated: 12/1/11

Approved as to Form:

Neil Gordon, Section Head
ENVIRONMENTAL REGULATION SECTION
ENVIRONMENT, NATURAL RESOURCES,
AND AGRICULTURE DIVISION
DEPARTMENT OF ATTORNEY GENERAL

Dated: 11/21/2011

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 Environmental Quality pursuant to the provisions of Part 55 of Act 451 and otherwise being fully advised on the premises,

HAS HEREBY ORDERED that the Consent Order is approved and shall be entered in the record of the MDEQ as a Final Order.

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

G. Vinson Hellwig, Chief
Air Quality Division

Effective Date: 12/1/11

EXHIBIT A

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

October 20, 2011

PERMIT TO INSTALL
16-11

ISSUED TO
Extruded Metals, Inc.

LOCATED AT
302 Ashfield Street
Belding, Michigan

IN THE COUNTY OF
Ionia

STATE REGISTRATION NUMBER
B1650

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: **April 21, 2011**	
DATE PERMIT TO INSTALL APPROVED: **October 20, 2011**	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

PERMIT TO INSTALL

Table of Contents

Common Abbreviations / Acronyms

Common Acronyms		Pollutant/Measurement Abbreviations	
AQD	Air Quality Division	BTU	British Thermal Unit
ANSI	American National Standards Institute	°C	Degrees Celsius
BACT	Best Available Control Technology	CO	Carbon Monoxide
CAA	Clean Air Act	dscf	Dry standard cubic foot
CEM	Continuous Emission Monitoring	dscm	Dry standard cubic meter
CFR	Code of Federal Regulations	°F	Degrees Fahrenheit
COM	Continuous Opacity Monitoring	gr	Grains
EPA	Environmental Protection Agency	Hg	Mercury
EU	Emission Unit	hr	Hour
FG	Flexible Group	H_2S	Hydrogen Sulfide
GACS	Gallon of Applied Coating Solids	hp	Horsepower
GC	General Condition	lb	Pound
HAP	Hazardous Air Pollutant	m	Meter
HVLP	High Volume Low Pressure *	mg	Milligram
ID	Identification	mm	Millimeter
LAER	Lowest Achievable Emission Rate	MM	Million
MACT	Maximum Achievable Control Technology	MW	Megawatts
MAERS	Michigan Air Emissions Reporting System	ng	Nanogram
MAP	Malfunction Abatement Plan	NO_x	Oxides of Nitrogen
MDEQ	Michigan Department of Environmental Quality (Department)	PM	Particulate Matter
MIOSHA	Michigan Occupational Safety & Health Administration	PM10	PM less than or equal to 10 microns diameter
MSDS	Material Safety Data Sheet	PM2.5	PM less than or equal 2.5 microns diameter
NESHAP	National Emission Standard for Hazardous Air Pollutants	pph	Pound per hour
NSPS	New Source Performance Standards	ppm	Parts per million
NSR	New Source Review	ppmv	Parts per million by volume
PS	Performance Specification	ppmw	Parts per million by weight
PSD	Prevention of Significant Deterioration	psia	Pounds per square inch absolute
PTE	Permanent Total Enclosure	psig	Pounds per square inch gauge
PTI	Permit to Install	scf	Standard cubic feet
RACT	Reasonably Available Control Technology	sec	Seconds
ROP	Renewable Operating Permit	SO_2	Sulfur Dioxide
SC	Special Condition	THC	Total Hydrocarbons
SCR	Selective Catalytic Reduction	tpy	Tons per year
SRN	State Registration Number	µg	Microgram
TAC	Toxic Air Contaminant	VOC	Volatile Organic Compounds
TEQ	Toxicity Equivalence Quotient	yr	Year
VE	Visible Emissions		

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

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 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 R 336.1219 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 R 336.1219 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 R 336.1301, 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 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 R 336.1370(2). **(R 336.1370)**

13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001. **(R 336.2001)**

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 (Process Equipment & Control Devices)	Flexible Group ID
EUECHIPDRYER	The east brass chip dryer with a cyclone, thermal oxidizer, precooler/wet scrubber and a demister for control. The chip dryer has a drying capacity of 20,000 pounds of brass turnings per hour.	FGCHIPDRYERS
EUWCHIPDRYER	The west brass chip dryer with a cyclone, thermal oxidizer, precooler/wet scrubber and a demister for control. The chip dryer has a drying capacity of 20,000 pounds of brass turnings per hour.	FGCHIPDRYERS
EUMELTFURN7	Induction melting furnace with associated pressurized holder and horizontal casters. The induction melting furnaces are controlled by the east baghouse.	FGMELTFURN
EUMELTFURN8	Induction melting furnace with associated pressurized holder and horizontal casters. The induction melting furnaces are controlled by the east baghouse.	FGMELTFURN
EUMELTFURN9	Induction melting furnace with associated pressurized holder and horizontal casters. The induction melting furnaces are controlled by the west baghouse.	FGMELTFURN

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
FGCHIPDRYERS	East and west chip dryers. Each chip dryer has its own associated cyclone, thermal oxidizer, precooler/wet scrubber and demister for control.	EUECHIPDRYER, EUWCHIPDRYER
FGMELTFURN	Three induction melting furnaces and associated pressurized holder, three horizontal casters and two baghouses.	EUMELTFURN7, EUMELTFURN8, EUMELTFURN9
FGFACILITY	All process equipment source-wide including equipment covered by other permits, grand-fathered equipment and exempt equipment.	All

The following conditions apply to: FGCHIPDRYERS

DESCRIPTION: East and west chip dryers

Emission Units: EUECHIPDRYER, EUWCHIPDRYER

POLLUTION CONTROL EQUIPMENT: Each chip dryer has its own associated cyclone, thermal oxidizer, precooler/wet scrubber and demister

I. EMISSION LIMITS

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1.Particulate	0.10 lb/1,000 lbs of exhaust gas on a dry gas basis	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.1331
2.Particulate	1.0 pph	Test Protocol will specify averaging time	East Chip Dryer	SC V.1	R 336.1331
3. Particulate	1.6 pph	Test Protocol will specify averaging time	West Chip Dryer	SC V.2	R 336.1331
4. Lead	23 mg/dscm	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.2804, 40 CFR 52.21(d)
5. Lead	0.2 pph	Test Protocol will specify averaging time	East Chip Dryer	SC V.1	R 336.2804, 40 CFR 52.21(d)
6. Lead	0.3 pph	Test Protocol will specify averaging time	West Chip Dryer	SC V.2	R 336.2804, 40 CFR 52.21(d)
7. Sulfuric Acid	25 mg/dscm	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.1224, R 336.1225
8. Sulfuric Acid	0.2 pph	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.1224, R 336.1225
9. Hydrogen chloride	8 mg/dscm	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.1224, R 336.1225
10. Hydrogen chloride	0.06 pph	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.1224, R 336.1225

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. No later than 60 days after issuance of this permit, the permittee shall submit to the AQD District Supervisor, for review and approval, a preventative maintenance / malfunction abatement plan (PM / MAP) for

FGCHIPDRYERS. After approval of the PM / MAP by the AQD District Supervisor, the permittee shall not operate FGCHIPDRYERS unless the PM / MAP, or an alternate plan approved by the AQD District Supervisor, is implemented and maintained. The plan shall incorporate procedures recommended by the equipment manufacturer as well as incorporating standard industry practices. At a minimum the plan shall include:

a) Identification of the equipment and, if applicable, air-cleaning device and the supervisory personnel responsible for overseeing the inspection, maintenance, and repair

b) Description of the items or conditions to be inspected and frequency of the inspections or repairs

c) Identification of the equipment and, if applicable, air-cleaning device, operating parameters that shall be monitored to detect a malfunction or failure, the normal operating range of these parameters and a description of the method of monitoring or surveillance procedures

d) Identification of the major replacement parts that shall be maintained in inventory for quick replacement

e) 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 the plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the owner or operator shall revise the plan within 45 days after such an event occurs and submit the revised plan for approval to the AQD District Supervisor. Should the AQD determine the PM / MAP to be inadequate, the AQD District Supervisor may request modification of the plan to address those inadequacies. **(R 336.1205, R 336.1702(a), R 336.1910, R 336.1911, R 336.1912, R 336.2804, 40 CFR 52.21 (d))**

2. The permittee shall not operate either chip dryer in FGCHIPDRYERS unless a minimum temperature of 1500°F and a minimum retention time of 0.5 seconds in each chip dryers associated thermal oxidizer is maintained. **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)**

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate either chip dryer in FGCHIPDRYERS unless the associated thermal oxidizer is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the thermal oxidizer includes maintaining a minimum temperature of 1500°F and a minimum retention time of 0.5 seconds, as required by SC III.2. **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)**

2. The permittee shall not operate either chip dryer in FGCHIPDRYERS unless the associated cyclone, precooler/wet scrubber and demister are installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the precooler/wet scrubber includes maintaining the water flow, nozzle water pressure and nozzle air pressure in the range as specified by the manufacturer or as determined during performance testing. **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)**

3. The permittee shall not operate EUECHIPDRYER (east chip dryer) unless the equivalent or better control to EUWCHIPDRYER is installed, maintained, and operated in a satisfactory manner. **(R 336.1225, R 336.1702(a), R 336.1901, R 336.1910, R 336.2804, 40 CFR 52.21 (d))**

V. TESTING/SAMPLING

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

1. Within 90 days after restart of EUECHIPDRYER, the permittee shall verify the lead, PM, sulfuric acid, and hydrogen chloride emission rates from EUECHIPDRYER by testing at owner's expense, in accordance with Department requirements. The permittee must complete the testing once every five years, thereafter. No less than 60 days prior to testing, the permittee shall submit a complete test plan to the AQD. The AQD must approve the final plan prior to testing. Verification of emission rates includes the submittal of a complete report of the test results to the AQD within 60 days following the last date of the test. **(R 336.1224, R 336.1225, R 336.2001, R 336.2003, R 336.2004, R 336.2804, 40 CFR 52.21 (d))**

2. Within the first five years after permit issuance, the permittee shall verify the lead, PM, sulfuric acid, and hydrogen chloride emission rates from EUWCHIPDRYER, by testing at owner's expense, in accordance with Department requirements. The permittee must complete the testing once every five years, thereafter. No less than 60 days prior to testing, a complete test plan shall be submitted to the AQD. The final plan must be approved by the AQD prior to testing. Verification of emission rates includes the submittal of a complete report of the test results to the AQD within 60 days following the last date of the test. **(R 336.1224, R 336.1225, R 336.1331, R 336.2001, R 336.2003, R 336.2004, R 336.2804, 40 CFR 52.21 (d))**

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the temperature of the thermal oxidizer on a continuous basis when the associated chip dryer is operating. **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)**

2. The permittee shall maintain a log of all maintenance activities conducted according to the PM / MAP (pursuant to SC III.1). The permittee shall keep this log on file at the facility and make it available to the Department upon request. **(R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), R 336.1911, R 336.2804, 40 CFR 52.21 (d))**

3. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the nozzle water pressure for the precooler/scrubber system when the associated chip dryer is operating. **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)**

4. The permittee shall keep, in a satisfactory manner, a record of a reading that will be taken once each shift of the nozzle water pressure for the precooler/scrubber system for each associated chip dryer that is operating. All records shall be kept on file at the facility and made available to the Department upon request. **(R 336.1205, R 336.1225, R 336.1702, R 336.1901, R 336.1910, R 336.2804, 40 CFR 52.21(d))**

5. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the water flow rate for the precooler/scrubber system when the associated chip dryer is operating. **(R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)**

6. The permittee shall keep, in a satisfactory manner, a record of a reading that will be taken once each shift of the water flow rate to the precooler/scrubber system for each associated chip dryer that is operating. All records shall be kept on file at the facility and made available to the Department upon request. **(R 336.1205, R 336.1225, R 336.1702, R 336.1901, R 336.1910, R 336.2804, 40 CFR 52.21(d))**

VII. REPORTING

1. At least seven calendar days prior to start-up, the permittee shall notify the AQD District Supervisor in writing of the start-up date of EUECHIPDRYER covered by this permit. **(R 336.1201)**

VIII. STACK/VENT RESTRICTIONS

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. SVECHIPDRYER	24	122	R 336.1225, R 336.2804, 40 CFR 52.21 (d)
2. SVWCHIPDRYER	24	122	R 336.1225, R 336.2804, 40 CFR 52.21 (d)

IX. OTHER REQUIREMENTS

1. The minimum stack height above ground level listed in SC VIII.1 and VIII.2 shall apply within 150 days of issuance of this permit. **(R 336.1225, R 336.2804, 40 CFR 52.21 (d))**

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

The following conditions apply to: FGMELTFURN

DESCRIPTION: Three induction melting furnaces with associated pressurized holder and three horizontal casters

Emission Units: EUMELTFURN7, EUMELTFURN8, EUMELTFURN9

POLLUTION CONTROL EQUIPMENT: Two baghouses (East and West Baghouse)

I. EMISSION LIMITS

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. Lead	0.02 pph	Test Protocol will specify averaging time	East baghouse	GC 13	R 336.2804, 40 CFR 52.21 (d)
2.Lead	0.01 pph	Test Protocol will specify averaging time	West baghouse	GC 13	R 336.2804, 40 CFR 52.21 (d)
3. PM	0.01 lb/1,000 lbs of exhaust gas on a dry gas basis	Test Protocol will specify averaging time	Each baghouse	GC 13	R 336.1331
4. PM	2.3 pph	Test Protocol will specify averaging time	Each baghouse	GC 13	R 336.1331
5. Copper	1 mg/dscm	Test Protocol will specify averaging time	Each baghouse	GC 13	R 336.1225
6. Zinc	33 mg/dscm	Test Protocol will specify averaging time	Each baghouse	GC 13	R 336.1225
7. Lead	5 mg/dscm	Test Protocol will specify averaging time	Each baghouse	GC 13	R 336.1225

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. No later than 60 days after issuance of this permit, the permittee shall submit to the AQD District Supervisor, for review and approval, a preventative maintenance / malfunction abatement plan (PM / MAP) for FGMELTFURN. After approval of the PM / MAP by the AQD District Supervisor, the permittee shall not operate FGMELTFURN unless the PM / MAP, or an alternate plan approved by the AQD District Supervisor, is implemented and maintained. The plan shall incorporate procedures recommended by the equipment manufacturer as well as incorporating standard industry practices. At a minimum the plan shall include:
   a) Identification of the equipment and, if applicable, air-cleaning device and the supervisory personnel responsible for overseeing the inspection, maintenance, and repair
   b) Description of the items or conditions to be inspected and frequency of the inspections or repairs

c) Identification of the equipment and, if applicable, air-cleaning device, operating parameters that shall be monitored to detect a malfunction or failure, the normal operating range of these parameters and a description of the method of monitoring or surveillance procedures

d) Identification of the major replacement parts that shall be maintained in inventory for quick replacement

e) 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 the plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the owner or operator shall revise the plan within 45 days after such an event occurs and submit the revised plan for approval to the AQD District Supervisor. Should the AQD determine the PM / MAP to be inadequate, the AQD District Supervisor may request modification of the plan to address those inadequacies. **(R 336.1205, R 336.1225, R 336.1331, R 336.1910, R 336.1911, R 336.1912, R 336.2804, 40 CFR 52.21 (d))**

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate induction melting furnaces 7 and 8 (EUMELTFURN7 and EUMELTFURN8) in FGMELTFURN unless the east baghouse is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the baghouse includes maintaining the pressure drop in the range as specified by the manufacturer or as determined during performance testing. **(R 336.1205, R 336.1225, R 336.1331, R 336.1901, R 336.1910)**

2. The permittee shall not operate induction melting furnace 9 (EUMELTFURN9) in FGMELTFURN unless the west baghouse is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the baghouse includes maintaining the pressure drop in the range as specified by the manufacturer or as determined during performance testing. **(R 336.1205, R 336.1225, R 336.1331, R 336.1901, R 336.1910)**

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 maintain a log of all maintenance activities conducted according to the PM / MAP (pursuant to SC III.1). The permittee shall keep this log on file at the facility and make it available to the Department upon request. **(R 336.1205, R 336.1225, R 336.1331, R 336.1911, R 336.2804, 40 CFR 52.21 (d))**

2. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the pressure drop across each baghouse in FGMELTFURN on a continuous basis when the associated induction melting furnaces are operating. **(R 336.1205, R 336.1225, R 336.1331, R 336.1901, R 336.1910)**

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

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. SVEBAGHOUSE	50	35.7	R 336.1331, R 336.2804, 40 CFR 52.21 (d)
2. SVWBAGHOUSE	60	40	R 336.1331, R 336.2804, 40 CFR 52.21 (d)

IX. OTHER REQUIREMENTS

NA

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

The following conditions apply Source-Wide to: FGFACILITY

I. EMISSION LIMITS

NA

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

NA

IV. DESIGN/EQUIPMENT PARAMETERS

NA

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))

NA

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

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

NA

IX. OTHER REQUIREMENTS

1. The permittee shall comply with all provisions of the National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources, 40 CFR Part 63, Subpart TTTTTT, as applicable to FGFACILITY. **(40 CFR Part 63, Subparts A and TTTTTT)**

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

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

October 20, 2011
REVISED March 15, 2012

PERMIT TO INSTALL
16-11

ISSUED TO
Extruded Metals, Inc.

LOCATED AT
302 Ashfield Street
Belding, Michigan

IN THE COUNTY OF
Ionia

STATE REGISTRATION NUMBER
B1650

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: **April 21, 2011**	
DATE PERMIT TO INSTALL APPROVED: **October 20, 2011**	SIGNATURE: MaryAnn Dolehanty
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

PERMIT TO INSTALL

Table of Contents

Common Abbreviations / Acronyms

Common Acronyms		Pollutant / Measurement Abbreviations	
AQD	Air Quality Division	BTU	British Thermal Unit
BACT	Best Available Control Technology	°C	Degrees Celsius
CAA	Clean Air Act	CO	Carbon Monoxide
CEM	Continuous Emission Monitoring	dscf	Dry standard cubic foot
CFR	Code of Federal Regulations	dscm	Dry standard cubic meter
CO_2e	Carbon Dioxide Equivalent	°F	Degrees Fahrenheit
COM	Continuous Opacity Monitoring	gr	Grains
EPA	Environmental Protection Agency	Hg	Mercury
EU	Emission Unit	hr	Hour
FG	Flexible Group	H_2S	Hydrogen Sulfide
GACS	Gallon of Applied Coating Solids	hp	Horsepower
GC	General Condition	lb	Pound
GHGs	Greenhouse Gases	kW	Kilowatt
HAP	Hazardous Air Pollutant	m	Meter
HVLP	High Volume Low Pressure *	mg	Milligram
ID	Identification	mm	Millimeter
LAER	Lowest Achievable Emission Rate	MM	Million
MACT	Maximum Achievable Control Technology	MW	Megawatts
MAERS	Michigan Air Emissions Reporting System	ng	Nanogram
MAP	Malfunction Abatement Plan	NO_x	Oxides of Nitrogen
MDEQ	Michigan Department of Environmental Quality (Department)	PM	Particulate Matter
MSDS	Material Safety Data Sheet	PM10	PM less than 10 microns diameter
NESHAP	National Emission Standard for Hazardous Air Pollutants	PM2.5	PM less than 2.5 microns 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	Reasonably Available Control Technology	scf	Standard cubic feet
ROP	Renewable Operating Permit	sec	Seconds
SC	Special Condition	SO_2	Sulfur Dioxide
SCR	Selective Catalytic Reduction	THC	Total Hydrocarbons
SRN	State Registration Number	tpy	Tons per year
TAC	Toxic Air Contaminant	µg	Microgram
TEQ	Toxicity Equivalence Quotient	VOC	Volatile Organic Compound
VE	Visible Emissions	yr	Year

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

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 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 R 336.1219 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 R 336.1219 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 R 336.1301, 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 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 R 336.1370(2). **(R 336.1370)**

13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001. **(R 336.2001)**

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 (Process Equipment & Control Devices)	Flexible Group ID
EUECHIPDRYER	The east brass chip dryer with a cyclone, thermal oxidizer, precooler/wet scrubber and a demister for control. The chip dryer has a drying capacity of 20,000 pounds of brass turnings per hour.	FGCHIPDRYERS
EUWCHIPDRYER	The west brass chip dryer with a cyclone, thermal oxidizer, precooler/wet scrubber and a demister for control. The chip dryer has a drying capacity of 20,000 pounds of brass turnings per hour.	FGCHIPDRYERS
EUMELTFURN7	Induction melting furnace with associated pressurized holder and horizontal casters. The induction melting furnaces are controlled by the east baghouse.	FGMELTFURN
EUMELTFURN8	Induction melting furnace with associated pressurized holder and horizontal casters. The induction melting furnaces are controlled by the east baghouse.	FGMELTFURN
EUMELTFURN9	Induction melting furnace with associated pressurized holder and horizontal casters. The induction melting furnaces are controlled by the west baghouse.	FGMELTFURN

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
FGCHIPDRYERS	East and west chip dryers. Each chip dryer has its own associated cyclone, thermal oxidizer, precooler/wet scrubber and demister for control.	EUECHIPDRYER, EUWCHIPDRYER
FGMELTFURN	Three induction melting furnaces and associated pressurized holder, three horizontal casters and two baghouses.	EUMELTFURN7, EUMELTFURN8, EUMELTFURN9
FGFACILITY	All process equipment source-wide including equipment covered by other permits, grand-fathered equipment and exempt equipment.	All

The following conditions apply to: FGCHIPDRYERS

DESCRIPTION: East and west chip dryers

Emission Units: EUECHIPDRYER, EUWCHIPDRYER

POLLUTION CONTROL EQUIPMENT: Each chip dryer has its own associated cyclone, thermal oxidizer, precooler/wet scrubber and demister

I. EMISSION LIMITS

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1.Particulate	0.10 lb/1,000 lbs of exhaust gas on a dry gas basis	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.1331
2.Particulate	1.0 pph	Test Protocol will specify averaging time	East Chip Dryer	SC V.1	R 336.1331
3. Particulate	1.6 pph	Test Protocol will specify averaging time	West Chip Dryer	SC V.2	R 336.1331
4. Lead	23 mg/dscm	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.2804, 40 CFR 52.21(d)
5. Lead	0.2 pph	Test Protocol will specify averaging time	East Chip Dryer	SC V.1	R 336.2804, 40 CFR 52.21(d)
6. Lead	0.3 pph	Test Protocol will specify averaging time	West Chip Dryer	SC V.2	R 336.2804, 40 CFR 52.21(d)
7. Sulfuric Acid	25 mg/dscm	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.1224, R 336.1225
8. Sulfuric Acid	0.2 pph	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.1224, R 336.1225
9. Hydrogen chloride	8 mg/dscm	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.1224, R 336.1225
10. Hydrogen chloride	0.06 pph	Test Protocol will specify averaging time	Each chip dryer	SC V.1, V.2	R 336.1224, R 336.1225

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. No later than 60 days after issuance of this permit, the permittee shall submit to the AQD District Supervisor, for review and approval, a preventative maintenance / malfunction abatement plan (PM / MAP) for

FGCHIPDRYERS. After approval of the PM / MAP by the AQD District Supervisor, the permittee shall not operate FGCHIPDRYERS unless the PM / MAP, or an alternate plan approved by the AQD District Supervisor, is implemented and maintained. The plan shall incorporate procedures recommended by the equipment manufacturer as well as incorporating standard industry practices. At a minimum the plan shall include:

a) Identification of the equipment and, if applicable, air-cleaning device and the supervisory personnel responsible for overseeing the inspection, maintenance, and repair

b) Description of the items or conditions to be inspected and frequency of the inspections or repairs

c) Identification of the equipment and, if applicable, air-cleaning device, operating parameters that shall be monitored to detect a malfunction or failure, the normal operating range of these parameters and a description of the method of monitoring or surveillance procedures

d) Identification of the major replacement parts that shall be maintained in inventory for quick replacement

e) 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 the plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the owner or operator shall revise the plan within 45 days after such an event occurs and submit the revised plan for approval to the AQD District Supervisor. Should the AQD determine the PM / MAP to be inadequate, the AQD District Supervisor may request modification of the plan to address those inadequacies. (R 336.1205, R 336.1702(a), R 336.1910, R 336.1911, R 336.1912, R 336.2804, 40 CFR 52.21 (d))

2. The permittee shall not operate either chip dryer in FGCHIPDRYERS unless a minimum temperature of 1500°F and a minimum retention time of 0.5 seconds in each chip dryers associated thermal oxidizer is maintained. (R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate either chip dryer in FGCHIPDRYERS unless the associated thermal oxidizer is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the thermal oxidizer includes maintaining a minimum temperature of 1500°F and a minimum retention time of 0.5 seconds, as required by SC III.2. (R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)

2. The permittee shall not operate either chip dryer in FGCHIPDRYERS unless the associated cyclone, precooler/wet scrubber and demister are installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the precooler/wet scrubber includes maintaining the water flow, nozzle water pressure and nozzle air pressure in the range as specified by the manufacturer or as determined during performance testing. (R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)

3. The permittee shall not operate EUECHIPDRYER (east chip dryer) unless the equivalent or better control to EUWCHIPDRYER is installed, maintained, and operated in a satisfactory manner. (R 336.1225, R 336.1702(a), R 336.1901, R 336.1910, R 336.2804, 40 CFR 52.21 (d))

V. TESTING/SAMPLING

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

1. Within 90 days after restart of EUECHIPDRYER, the permittee shall verify the lead, PM, sulfuric acid, and hydrogen chloride emission rates from EUECHIPDRYER by testing at owner's expense, in accordance with Department requirements. The permittee must complete the testing once every five years, thereafter. No less than 60 days prior to testing, the permittee shall submit a complete test plan to the AQD. The AQD must approve the final plan prior to testing. Verification of emission rates includes the submittal of a complete report of the test results to the AQD within 60 days following the last date of the test. (R 336.1224, R 336.1225, R 336.2001, R 336.2003, R 336.2004, R 336.2804, 40 CFR 52.21 (d))

2. Within the first five years after permit issuance, the permittee shall verify the lead, PM, sulfuric acid, and hydrogen chloride emission rates from EUWCHIPDRYER, by testing at owner's expense, in accordance with Department requirements. The permittee must complete the testing once every five years, thereafter. No less than 60 days prior to testing, a complete test plan shall be submitted to the AQD. The final plan must be approved by the AQD prior to testing. Verification of emission rates includes the submittal of a complete report of the test results to the AQD within 60 days following the last date of the test. (R 336.1224, R 336.1225, R 336.1331, R 336.2001, R 336.2003, R 336.2004, R 336.2804, 40 CFR 52.21 (d))

VI. MONITORING/RECORDKEEPING

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

1. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the temperature of the thermal oxidizer on a continuous basis when the associated chip dryer is operating. (R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)

2. The permittee shall maintain a log of all maintenance activities conducted according to the PM / MAP (pursuant to SC III.1). The permittee shall keep this log on file at the facility and make it available to the Department upon request. (R 336.1205, R 336.1224, R 336.1225, R 336.1702(a), R 336.1911, R 336.2804, 40 CFR 52.21 (d))

3. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the nozzle water pressure for the precooler/scrubber system when the associated chip dryer is operating. (R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)

4. The permittee shall keep, in a satisfactory manner, a record of a reading that will be taken once each shift of the nozzle water pressure for the precooler/scrubber system for each associated chip dryer that is operating. All records shall be kept on file at the facility and made available to the Department upon request. (R 336.1205, R 336.1225, R 336.1702, R 336.1901, R 336.1910, R 336.2804, 40 CFR 52.21(d))

5. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the water flow rate for the precooler/scrubber system when the associated chip dryer is operating. (R 336.1205, R 336.1225, R 336.1702(a), R 336.1901, R 336.1910)

6. The permittee shall keep, in a satisfactory manner, a record of a reading that will be taken once each shift of the water flow rate to the precooler/scrubber system for each associated chip dryer that is operating. All records shall be kept on file at the facility and made available to the Department upon request. (R 336.1205, R 336.1225, R 336.1702, R 336.1901, R 336.1910, R 336.2804, 40 CFR 52.21(d))

VII. REPORTING

1. At least seven calendar days prior to start-up, the permittee shall notify the AQD District Supervisor in writing of the start-up date of EUECHIPDRYER covered by this permit. (R 336.1201)

VIII. STACK/VENT RESTRICTIONS

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. SVECHIPDRYER	24	122	R 336.1225, R 336.2804, 40 CFR 52.21 (d)
2. SVWCHIPDRYER	24	122	R 336.1225, R 336.2804, 40 CFR 52.21 (d)

IX. OTHER REQUIREMENTS

1. The minimum stack height above ground level listed in SC VIII.2 shall apply within 150 days of issuance of this permit. (R 336.1225, R 336.2804, 40 CFR 52.21 (d))

2. The minimum stack height above ground level listed in SC VIII.1 shall apply prior to restart of EUECHIPDRYER. (R 336.1225, R 336.2804, 40 CFR 52.21 (d))

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

The following conditions apply to: FGMELTFURN

DESCRIPTION: Three induction melting furnaces with associated pressurized holder and three horizontal casters

Emission Units: EUMELTFURN7, EUMELTFURN8, EUMELTFURN9

POLLUTION CONTROL EQUIPMENT: Two baghouses (East and West Baghouse)

I. EMISSION LIMITS

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. Lead	0.02 pph	Test Protocol will specify averaging time	East baghouse	GC 13	R 336.2804, 40 CFR 52.21 (d)
2.Lead	0.01 pph	Test Protocol will specify averaging time	West baghouse	GC 13	R 336.2804, 40 CFR 52.21 (d)
3. PM	0.01 lb/1,000 lbs of exhaust gas on a dry gas basis	Test Protocol will specify averaging time	Each baghouse	GC 13	R 336.1331
4. PM	2.3 pph	Test Protocol will specify averaging time	Each baghouse	GC 13	R 336.1331
5. Copper	1 mg/dscm	Test Protocol will specify averaging time	Each baghouse	GC 13	R 336.1225
6. Zinc	33 mg/dscm	Test Protocol will specify averaging time	Each baghouse	GC 13	R 336.1225
7. Lead	5 mg/dscm	Test Protocol will specify averaging time	Each baghouse	GC 13	R 336.1225

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. No later than 60 days after issuance of this permit, the permittee shall submit to the AQD District Supervisor, for review and approval, a preventative maintenance / malfunction abatement plan (PM / MAP) for FGMELTFURN. After approval of the PM / MAP by the AQD District Supervisor, the permittee shall not operate FGMELTFURN unless the PM / MAP, or an alternate plan approved by the AQD District Supervisor, is implemented and maintained. The plan shall incorporate procedures recommended by the equipment manufacturer as well as incorporating standard industry practices. At a minimum the plan shall include:
   a) Identification of the equipment and, if applicable, air-cleaning device and the supervisory personnel responsible for overseeing the inspection, maintenance, and repair
   b) Description of the items or conditions to be inspected and frequency of the inspections or repairs

c) Identification of the equipment and, if applicable, air-cleaning device, operating parameters that shall be monitored to detect a malfunction or failure, the normal operating range of these parameters and a description of the method of monitoring or surveillance procedures

d) Identification of the major replacement parts that shall be maintained in inventory for quick replacement

e) 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 the plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the owner or operator shall revise the plan within 45 days after such an event occurs and submit the revised plan for approval to the AQD District Supervisor. Should the AQD determine the PM / MAP to be inadequate, the AQD District Supervisor may request modification of the plan to address those inadequacies. (R 336.1205, R 336.1225, R 336.1331, R 336.1910, R 336.1911, R 336.1912, R 336.2804, 40 CFR 52.21 (d))

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate induction melting furnaces 7 and 8 (EUMELTFURN7 and EUMELTFURN8) in FGMELTFURN unless the east baghouse is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the baghouse includes maintaining the pressure drop in the range as specified by the manufacturer or as determined during performance testing. (R 336.1205, R 336.1225, R 336.1331, R 336.1901, R 336.1910)

2. The permittee shall not operate induction melting furnace 9 (EUMELTFURN9) in FGMELTFURN unless the west baghouse is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the baghouse includes maintaining the pressure drop in the range as specified by the manufacturer or as determined during performance testing. (R 336.1205, R 336.1225, R 336.1331, R 336.1901, R 336.1910)

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 maintain a log of all maintenance activities conducted according to the PM / MAP (pursuant to SC III.1). The permittee shall keep this log on file at the facility and make it available to the Department upon request. (R 336.1205, R 336.1225, R 336.1331, R 336.1911, R 336.2804, 40 CFR 52.21 (d))

2. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the pressure drop across each baghouse in FGMELTFURN on a continuous basis when the associated induction melting furnaces are operating. (R 336.1205, R 336.1225, R 336.1331, R 336.1901, R 336.1910)

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

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. SVEBAGHOUSE	50	35.7	R 336.1331, R 336.2804, 40 CFR 52.21 (d)
2. SVWBAGHOUSE	60	40	R 336.1331, R 336.2804, 40 CFR 52.21 (d)

IX. OTHER REQUIREMENTS

NA

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

The following conditions apply Source-Wide to: FGFACILITY

I. EMISSION LIMITS

NA

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

NA

IV. DESIGN/EQUIPMENT PARAMETERS

NA

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))

NA

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

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

NA

IX. OTHER REQUIREMENTS

1. The permittee shall comply with all provisions of the National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources, 40 CFR Part 63, Subpart TTTTTT, as applicable to FGFACILITY. **(40 CFR Part 63, Subparts A and TTTTTT)**

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

ATTACHMENT D

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
PO BOX 30473
LANSING MI 48909-7973

ENVIRONMENTAL CALENDAR — October 19, 2015

- **ENVIRONMENTAL ASSISTANCE CENTER**
  800-662-9278
  E-mail: deq-assist @michigan.gov

  The DEQ Environmental Assistance Center (EAC) is available to provide direct access to environmental programs, answers to environmental questions, referrals to technical staff, and quick response. Questions on any items listed in the calendar can be referred to the EAC.

- **PUBLICATION SCHEDULE**

  The calendar is published every two weeks, on alternate Mondays, by the Michigan Department of Environmental Quality. We welcome your comments.

- **CALENDAR LISTSERV**

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- **TIMETABLE FOR DECISIONS**

  No decision listed in the DEQ Calendar will be made prior to seven days after the initial Calendar publication date.

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Recycled Paper

	Activity Report at www.deq.state.mi.us/aps/downloads/Enforcement/AQD-Consent-Orders.shtml. Submit written comments to Malcolm Mead-O'Brien, Michigan Department of Environmental Quality, Air Quality Division, P.O. Box 30260, Lansing, Michigan 48909. Written comments will be accepted by email and all statements must be received by November 18, 2015 to be considered by the decision-maker prior to final action. If a request is received in writing by November 18, 2015, a public hearing may be scheduled. Decision-maker: ***Lynn Fiedler***, Air Quality Division Chief. Information Contact: ***Malcolm Mead-O'Brien***, Air Quality Division, meadm1@michigan.gov or 517-284-6771.
NOVEMBER 19, 2015	**DEADLINE FOR PUBLIC COMMENT REGARDING CITY OF GROSSE POINTE PARK, WAYNE COUNTY,** for the proposed draft permit for the proposed new large quantity water withdrawal. The applicant proposes a new public water supply withdrawal of 3.9 million gallons per day from Lake St. Clair. The permit application can be viewed at www.michigan.gov/documents/deq/deq-wrd-swas-glsu-gpp_ww_permitapp_500370_7.pdf. Submit written comments to Andrew LeBaron by email at lebarona@michigan.gov, or by mail to Michigan Department of Environmental Quality, Water Resources Division, P.O. Box 30458, Lansing, Michigan 48909-7958. Comments received by November 19, 2015, will be considered in the permit decision prior to final action. Information Contact: ***Andrew LeBaron***, Water Resources Division, 517-284-5563.
NOVEMBER 20, 2015	**DEADLINE FOR PUBLIC COMMENT ON A GROUNDWATER-SURFACE WATER MIXING ZONE DETERMINATION REGARDING THE BRADFORD WHITE FACILITY, MIDDLEVILLE, BARRY COUNTY.** Written comments are being accepted on a request for a groundwater-surface water mixing zone determination for the Bradford White facility under Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. The receiving surface water body is the Thornapple River. The location of the venting groundwater plume is the East Main Street crossing of the Thornapple River, Middleville. Copies of the determination request may be obtained by calling or writing: David Wierzbicki, DEQ Remediation and Redevelopment Division, 350 Ottawa Ave. NW Unit 10, Grand Rapids, MI 49503. Written comments should be submitted by the 11/20/2015 deadline date to the above address and contact person. Information Contact: ***David Wierzbicki***, Remediation and Redevelopment Division, 517-420-2605.
NOVEMBER 23, 2015 10:30 a.m. PUBLIC HEARING	**TENTATIVELY SCHEDULED PUBLIC HEARING REGARDING REDESIGNATION TO ATTAINMENT AND MICHIGAN STATE IMPLEMENTATION PLAN (SIP) REVISION FOR THE LEAD NON-ATTAINMENT AREA IN BELDING, IONIA COUNTY.** If requested in writing by November 18, 2015 (see November 18 listing in this calendar) the public hearing will be held on November 23, 2015, from 10:30 a.m. to 11:30 a.m. in Constitution Hall, William Ford Conference Room, located at 525 West Allegan Street, 2nd Floor, South Tower, Lansing, Michigan 48909. Electronic copies of the proposed redesignation and SIP may be viewed at www.deq.state.mi.us/aps/downloads/SIP/AQD-SIP.shtml. If a public hearing is requested by November 18, 2015, the public comment period will be extended until November 23, 2015. Contact Erica Wolf after November 18, 2015, to determine if a public hearing was requested and will be held. Decision-maker: ***Dan Wyant***, DEQ Director. Information Contact: ***Erica Wolf***, wolfe1@michigan.gov or 517-284-6772.
NOVEMBER 23, 2015 1:00 p.m. PUBLIC HEARING	**TENTATIVELY SCHEDULED PUBLIC HEARING REGARDING THE MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY REGIONAL HAZE FIVE YEAR REVIEW STATE IMPLEMENTATION PLAN (SIP).** Written comments are being accepted on a proposed State Implementation Plan (SIP) consisting of a review of the progress being made implementing the Regional Haze SIP for Michigan's two class I areas. If requested in writing by November 18, 2015 (see November 18 listing in this calendar) a public hearing will be held on November 23, 2015, at 1:00 p.m. in the William Ford Conference Room, located in Constitution Hall, 2nd Floor, 525 West Allegan Street, Lansing, Michigan 48909. Electronic copies of the proposed SIP are available at www.deq.state.mi.us/aps/downloads/SIP/AQD-SIP.shtml. If a public hearing is requested, the public comment period will be extended until November 23, 2015. Contact Cari DeBruler after November 18, 2015, to determine if a public hearing was requested and will be held. Decision-maker: ***Dan Wyant***, DEQ Director. Information Contact: ***Cari DeBruler***, Air Quality Division, debrulerc@michigan.gov or 517-284-6740.