Emissions Minimization Plan

Regulation 12, Miscellaneous Standards of Performance, Rule 13

Foundry and Forging Operations

Facility Name

District Site #

Address

Address

Date

[ ]  Public Copy

[ ]  Confidential Copy

Table of Contents

Responsible Manager Certification

12-13-404.1

*I, as the Responsible Manager of this facility, hereby certify that as of this date, this Emissions Minimization Plan contains all elements and information required of a complete EMP pursuant to District Regulation Section 12-13-403 and that the information contained in this EMP is accurate.*

*Certified by:        \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_                Dated: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

Name, Title

*Responsible Manager*

Designation of Confidential Business Information

Describe the information you designate as “CONFIDENTIAL” that is trade secret or otherwise exempt under law from public disclosure. Specify what is “CONFIDENTIAL” and include specific section(s) and corresponding page number(s).

|  |  |
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| **Name of Section / Page Number(s)** | **Description of Confidential Information** |
|       |       |
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Company Description

Company Organizational Chart and Schedule of Management Operators

12-13-403.1.3

1. *Company Organizational Chart-* Attach a copy of the organizational chart of the company, which describes the business structure and includes the name of the facility’s Responsible Official. Label the attachment with the corresponding Attachment #.

**Attachment #**

1. *Schedule of Management Operators -* Provide the names and contact information of the Onsite Responsible Manager(s) and Onsite Alternate Contact(s) and their duty schedule.

***Onsite Responsible Manager(s)***

Name:

Title:

Phone:

Email:

Schedule/Shift:

Name:

Title:

Phone:

Email:

Schedule/Shift:

***Onsite Alternate Contact(s)***

Name:

Title:

Phone:

Email:

Schedule/Shift:

Name:

Title:

Phone:

Email:

Schedule/Shift:

Contents of the EMP

12-13-403

The owner or operator of the foundry or forge subject to Section 12-13-401 shall prepare a complete and accurate EMP that details the management practices, measures, equipment and procedures that are employed or scheduled to be implemented to minimize fugitive emissions of particulate matter and odorous substances for the operations subject to the EMP.

1. **Operations Subject to EMP and Schedule of Operations**
2. **Description of Operations** - Facilities with operations under 12-13-402 must list and provide description of all process equipment, material usages, abatement and control equipment and monitoring parameters to reduce fugitive emissions of particulates and odors. Please provide information for all the following operations that apply.
3. **Management Practices to Reduce Fugitive Emissions**- Facilities with operations under 12-13-402 must list and provide descriptions of all preventative maintenance activities, pollution prevention and source reduction measures to reduce fugitive emissions of particulates and odors. Provide schedules of activities conducted.
4. **Description of Abatement and Control Equipment**- Facilities must provide a comprehensive list of all abatement and control equipment for operations subject to 12-13*-*402 and name the source(s) of operation it abates.
5. **Operations Subject to EMP and Schedule of Operations**

The EMP shall address all of the following operations that are conducted at a foundry or forge per 12-13-402.

Please check all facility operations that apply and provide the schedule of operation.

|  |  |
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| **Operation** | **Schedule of Operations** |
| [ ] 402.1 Mold and Core Making Operations |       |
| [ ] 402.2 Metal Management |       |
| [ ] 402.3 Furnace Operations, including tapping and pouring |       |
| [ ] 402.4 Forging Operations |       |
| [ ] 402.5 Casting and Cooling Operation |       |
| [ ] 402.6 Shake Out Operations |       |
| [ ] 402.7 Finishing Operations |       |
| [ ] 402.8 Sand Reclamation |       |
| [ ] 402.9 Dross and Slag Management |       |

# 402.1 Mold and Core Making Operations

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| 1. **Description of Operations - MOLD AND CORE MAKING OPERATIONS**
 |
|  |  |  | **NAME OF MATERIALS USED IN MOLDING OPERATIONS** | **ABATEMENT** |
| **Section #** | **Equipment Name and Manufacturer****/Model #** | **District S#****and Applicable** **NESHAPs****Section** | **Binders** | **Coatings** | **Adhesives** | **Mold Release Agents** | **Other** | **Source Abated** | **Abatement Required by Permit** | **A#** | **Type of Abatement** **and** **Purpose of Abatement** | **Abatement Monitored** | **Monitoring Parameters** |
|       |            |            |       |       |       |       |       | [ ]  Yes[ ]  No | [ ]  Yes[ ]  No |       |            | [ ]  Yes[ ]  No |       |
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**B. Description of Operations – MOLD AND CORE MAKING OPERATIONS**

Provide information on binders used in mold and core making operations.

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| **Section #** | **Name of Binder** | **Binder Mix Ratio** | **Name of Source(s) and/or District S#****Where Binder** **Is Used** | **Product Specification per MSDS** |
|       |       |       |       | VOC CONTENT (%):      PHENOL CONTENT (%):       |
|       |       |       |       | VOC CONTENT (%):      PHENOL CONTENT (%):       |
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1. **Management Practices to Reduce Fugitive Emissions – MOLD AND CORE MAKING OPERATIONS**

Provide description of preventative maintenance (PM) activities including PM schedules and work practice standards for each abatement device for core and mold making operations.

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| **Section #** | **Name of Abatement Device****and Manufacturer/Model #** | **Description of** **Preventative Maintenance Activity and Work Practice Standards** | **Schedule of PM** |
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**C. Management Practices to Reduce Fugitive Emissions – MOLD AND CORE MAKING OPERATIONS**

Provide description of other housekeeping measures to abate and/or minimize fugitive emissions of odors and/or particulate matter at sources or source areas.

|  |  |  |  |
| --- | --- | --- | --- |
| **Section #** | **Description of** **Housekeeping Measure** | **Purpose of Activity** | **Schedule of Activity** |
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# 402.2 Metal Management

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| **B. Description of Operations - METAL MANAGEMENT**  |
| **Section #** | **Name of Non-Exempt Metal or Metal Alloy Used for Production** | **Metal Type** | **Method of Verification for Determining** **Chemical Composition** |
|       |       | [ ]  Ferrous [ ]  Non-Ferrous |       |
|       |       | [ ]  Ferrous [ ]  Non-Ferrous |       |
|       |       | [ ]  Ferrous [ ]  Non-Ferrous |       |
|       |       | [ ]  Ferrous [ ]  Non-Ferrous |       |
|       |       | [ ]  Ferrous [ ]  Non-Ferrous |       |
|       |       | [ ]  Ferrous [ ]  Non-Ferrous |       |
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|       |       | [ ]  Ferrous [ ]  Non-Ferrous |       |

**B. Description of Operations - METAL MANAGEMENT**

Describe the facility’s metal inspection program, work practice standards and material acquisition plan/procedures upon receipt of scrap or unprocessed metal. Include any pollution prevention management practices and source reduction measures to ensure the metal received is clean.

**C. Management Practices to Reduce Fugitive Emissions – METAL MANAGEMENT**

Describe control measures to minimize fugitive emissions from scrap or unprocessed metal.

# 402.3 Furnace Operations

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| **B. Description of Operations - FURNACE OPERATIONS** |
| **Section #** | **Furnace Name and Manufacturer/ Model #** | **District S# and Applicable** **NESHAPs****Section** | **Type of Operation** | **Source Abated** | **Type of** **Abatement Device** | **District****A#** | **Purpose of Abatement** | **Abatement Monitored** | **Monitoring Parameters** |
|       |            |            | [ ]  Melting[ ]  Heat Treating | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            | [ ]  Melting[ ]  Heat Treating | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            | [ ]  Melting[ ]  Heat Treating | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            | [ ]  Melting[ ]  Heat Treating | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            | [ ]  Melting[ ]  Heat Treating | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            | [ ]  Melting[ ]  Heat Treating | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            | [ ]  Melting[ ]  Heat Treating | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            | [ ]  Melting[ ]  Heat Treating | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            | [ ]  Melting[ ]  Heat Treating | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            | [ ]  Melting[ ]  Heat Treating | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            | [ ]  Melting[ ]  Heat Treating | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            | [ ]  Melting[ ]  Heat Treating | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |

**C. Management Practices to Reduce Fugitive Emissions - FURNACE OPERATIONS**

Provide description of preventative maintenance (PM) activities including PM schedules and work practice standards for each abatement device for furnace operations.

|  |  |  |  |
| --- | --- | --- | --- |
| **Section #** | **Abatement Device and Manufacturer/Model #** | **Description of** **Preventative Maintenance Activity and Work Practice Standards** | **Schedule of PM** |
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**C. Management Practices to Reduce Fugitive Emissions - FURNACE OPERATIONS**

Provide description of other housekeeping measures to abate and/or minimize fugitive emissions of odors and/or particulate matter at sources or source areas.

|  |  |  |  |
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| **Section #** | **Description of** **Housekeeping Measure** | **Purpose of Activity** | **Schedule of Activity** |
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# 402.4 Forging Operations

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| **B. Description of Operations - FORGING OPERATIONS**  |
| **Section #** | **Equipment Name and Manufacturer/ Model #** | **District****S# and Applicable** **NESHAPs****Section** | **Description of Use** | **Name of Lubricants and/or Oils** | **Other Materials Used** | **Source Abated** | **Type of****Abatement Device** | **Purpose of Abatement** | **Abatement Monitored** | **Monitoring Parameters** |
|       |            |            |       |       |       | [ ]  Yes[ ]  No |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       |       |       | [ ]  Yes[ ]  No |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       |       |       | [ ]  Yes[ ]  No |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       |       |       | [ ]  Yes[ ]  No |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       |       |       | [ ]  Yes[ ]  No |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       |       |       | [ ]  Yes[ ]  No |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       |       |       | [ ]  Yes[ ]  No |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       |       |       | [ ]  Yes[ ]  No |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       |       |       | [ ]  Yes[ ]  No |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       |       |       | [ ]  Yes[ ]  No |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       |       |       | [ ]  Yes[ ]  No |       |       | [ ]  Yes[ ]  No |       |

**C. Management Practices to Reduce Fugitive Emissions - FORGING OPERATIONS**

|  |  |  |  |
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| **Section #** | **Abatement Device and Manufacturer/Model #** | **Description of** **Preventative Maintenance Activity and Work Practice Standards** | **Schedule of PM** |
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Provide description of preventative maintenance (PM) activities including PM schedules and work practice standards for each abatement device for forging operations.

**C. Management Practices to Reduce Fugitive Emissions - FORGING OPERATIONS**

Provide description of other housekeeping measures to abate and/or minimize fugitive emissions of odors and/or particulate matter at sources or source areas.

|  |  |  |  |
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| **Section #** | **Description of** **Housekeeping Measure** | **Purpose of Activity** | **Schedule of Activity** |
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# 402.5 Casting and Cooling Operations

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| **B. Description of Operations - CASTING AND COOLING OPERATIONS**  |
| **Section #** | **Name of****Pouring and Cooling Operations and Manufacturer/ Model #** | **District S# and Applicable** **NESHAPs****Section** | **Cooling Time of Product or Source** | **Designated Locations of Cooling Operation** | **Source Abated** | **Type of** **Abatement Device** | **Purpose of Abatement**  | **Abatement Monitored** | **Monitoring Parameters** |
|       |            |            |       |       | [ ]  Yes[ ]  No |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       |       | [ ]  Yes[ ]  No |       |       | [ ]  Yes[ ]  No |       |
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**C. Management Practices to Reduce Fugitive Emissions - CASTING AND COOLING OPERATIONS**

Describe the method to verify adequate cooling times are achieved to ensure minimization of fugitive emissions of particulates and odors prior to commencing shake out operations.

**C. Management Practices to Reduce Fugitive Emissions - CASTING AND COOLING OPERATIONS**

Provide description of preventative maintenance (PM) activities including PM schedules and work practice standards for each abatement device for casting and cooling operations.

|  |  |  |  |
| --- | --- | --- | --- |
| **Section #** | **Abatement Device and Manufacturer/Model #** | **Description of** **Preventative Maintenance Activity and Work Practice Standards** | **Schedule of PM** |
|       |            |       |       |
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**C. Management Practices to Reduce Fugitive Emissions - CASTING AND COOLING OPERATIONS**

Provide description of other housekeeping measures to abate and/or minimize fugitive emissions of odors and/or particulate matter at sources or source areas.

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| **Section #** | **Description of** **Housekeeping Measure** | **Purpose of Activity** | **Schedule of Activity** |
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# 402.6 Shake Out Operations

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| **B. Description of Operations - SHAKE OUT OPERATIONS** |
| **Section #** | **Name of Shakeout Operations and Manufacturer/ Model #** | **District S# and Applicable** **NESHAPs****Section** | **Describe Location of Shake Out Operation** | **Source Abated** | **A#** | **Type of** **Abatement Device** | **Purpose of Abatement** | **Abatement Monitored** | **Monitoring Parameters** |
|       |            |            |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |

**C. Management Practices to Reduce Fugitive Emissions - SHAKE OUT OPERATIONS**

Provide description of preventative maintenance (PM) activities including PM schedules and work practice standards for each abatement device for shake out operations.

|  |  |  |  |
| --- | --- | --- | --- |
| **Section #** | **Abatement Device and Manufacturer/Model #** | **Description of** **Preventative Maintenance Activity and Work Practice Standards** | **Schedule of PM** |
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**C. Management Practices to Reduce Fugitive Emissions - SHAKE OUT OPERATIONS**

Provide description of other housekeeping measures to abate and/or minimize fugitive emissions of odors and/or particulate matter at sources or source areas.

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| --- | --- | --- | --- |
| **Section #** | **Description of** **Housekeeping Measure** | **Purpose of Activity** | **Schedule of Activity** |
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# 402.7 Finishing Operations

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| **B. Description of Operations - FINISHING OPERATIONS**  |
| **Section #** | **Type of Operation** | **District S# and Applicable** **NESHAPs****Section** | **Describe Location of Finishing Operation** | **Number of Machines** | **Abated Source** | **A#** | **Type of** **Abatement Device** | **Purpose of Abatement** | **Abatement Monitored** | **Monitoring Parameters** |
|       | [ ]  Grinding[ ]  Welding[ ]  Other:        |            |       | GRINDERS:      WELDERS:      OTHER:       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       | [ ]  Grinding[ ]  Welding[ ]  Other:        |            |       | GRINDERS:      WELDERS:      OTHER:       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       | [ ]  Grinding[ ]  Welding[ ]  Other:        |            |       | GRINDERS:      WELDERS:      OTHER:       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       | [ ]  Grinding[ ]  Welding[ ]  Other:        |            |       | GRINDERS:      WELDERS:      OTHER:       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       | [ ]  Grinding[ ]  Welding[ ]  Other:        |            |       | GRINDERS:      WELDERS:      OTHER:       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       | [ ]  Grinding[ ]  Welding[ ]  Other:        |            |       | GRINDERS:      WELDERS:      OTHER:       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       | [ ]  Grinding[ ]  Welding[ ]  Other:        |            |       | GRINDERS:      WELDERS:      OTHER:       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       | [ ]  Grinding[ ]  Welding[ ]  Other:        |            |       | GRINDERS:      WELDERS:      OTHER:       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |

**C. Management Practices to Reduce Fugitive Emissions - FINISHING OPERATIONS**

Provide description of preventative maintenance (PM) activities including PM schedules and work practice standards for each abatement device for finishing operations.

|  |  |  |  |
| --- | --- | --- | --- |
| **Section #** | **Abatement Device and Manufacturer/Model #** | **Description of** **Preventative Maintenance Activity and Work Practice Standards** | **Schedule of PM** |
|       |            |       |       |
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**C. Management Practices to Reduce Fugitive Emissions - FINISHING OPERATIONS**

Provide description of other housekeeping measures to abate and/or minimize fugitive emissions of odors and/or particulate matter at sources or source areas.

|  |  |  |  |
| --- | --- | --- | --- |
| **Section #** | **Description of** **Housekeeping Measure** | **Purpose of Activity** | **Schedule of Activity** |
|       |       |       |       |
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# 402.7 Sand Reclamation

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| **B. Description of Operations - SAND RECLAMATION** |
| **Section #** | **Name of Sand Reclamation Equipment and** **Manufacturer/Model #** | **District S# and Applicable** **NESHAPs****Section** | **Describe Type of Sand Reclamation****Equipment** | **Abated Source** | **A#** | **Type of** **Abatement Device** | **Purpose of Abatement** | **Abatement Monitored** | **Monitoring Parameters** |
|       |            |            |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |
|       |            |            |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       |

**C. Management Practices to Reduce Fugitive Emissions - SAND RECLAMATION**

Provide description of preventative maintenance (PM) activities including PM schedules and work practice standards for each abatement device for sand reclamation operations.

|  |  |  |  |
| --- | --- | --- | --- |
| **Section #** | **Abatement Device and Manufacturer/Model #** | **Description of** **Preventative Maintenance Activity and Work Practice Standards** | **Schedule of PM** |
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**C. Management Practices to Reduce Fugitive Emissions - SAND RECLAMATION**

Provide description of other housekeeping measures to abate and/or minimize fugitive emissions of odors and/or particulate matter at sources or source areas.

|  |  |  |  |
| --- | --- | --- | --- |
| **Section #** | **Description of** **Housekeeping Measure** | **Purpose of Activity** | **Schedule of Activity** |
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# 402.9 Dross and Slag Management

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| **B. Description of Operations - DROSS AND SLAG MANAGEMENT** |
| **Section #** | **Material** | **Describe****Location for Cooling of Material** | **Abated Source** | **A#** | **Type of** **Abatement Device** | **Purpose of Abatement** | **Abatement Monitored** | **Monitoring Parameters** | **Material Disposition** |
| 1 | Dross |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       | [ ]  Offsite Recycling[ ]  Offsite Disposal[ ]  Onsite Reprocessing |
| 2 | Slag |       | [ ]  Yes[ ]  No |       |       |       | [ ]  Yes[ ]  No |       | [ ]  Offsite Recycling[ ]  Offsite Disposal[ ]  Onsite Reprocessing |

**C. Management Practices to Reduce Fugitive Emissions - DROSS AND SLAG MANAGEMENT**

Provide description of preventative maintenance (PM) activities including PM schedules and work practice standards for each abatement device for dross and slag operations.

|  |  |  |  |
| --- | --- | --- | --- |
| **Section #** | **Abatement Device and Manufacturer/ Model #** | **Description of** **Preventative Maintenance Activity and Work Practice Standards** | **Schedule of PM** |
|       |            |       |       |
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**C. Management Practices to Reduce Fugitive Emissions - DROSS AND SLAG MANAGEMENT**

Provide description of other housekeeping measures to abate and/or minimize fugitive emissions of odors and/or particulate matter at sources or source areas.

|  |  |  |  |
| --- | --- | --- | --- |
| **Section #** | **Description of** **Housekeeping Measure** | **Purpose of Activity** | **Schedule of Activity** |
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1. **Description of Abatement and Control Equipment**

Provide a comprehensive list of all abatement and control equipment for operations subject to 12-13-402 and identify the source(s) of operation in which it abates. If the abatement equipment abates multiple sources, provide a detailed description of how the abatement is designated to those sources.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Section #** | **Name of Abatement Equipment** | **District A#** | **Names of Source(s) Abated** | **District S#** | **Description of Abatement** |
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Technical Data

12-13-403.1

1. Process Flow Diagram – Facilities must indicate all operations in Section 12-13-402, the flow of materials used and identify all monitoring of processes, abatement and controls to minimize emissions beginning from material receipt to achievement of final product. Identify all abatement and control devices by District source numbers according to District Permit or as exempt from District Permit. Label the attachment with the corresponding Attachment #.

**Attachment #**

1. Facility Layout / Floor Plan - Facilities must indicate all relative locations of processing equipment and monitoring and controls, all permitted and exempt sources identified in the process flow diagram per Section 12-13-403.1.1 and any other source(s) that may contribute to particulates and odors. Include all building walls, partitions, doors, windows, vents and openings and indicate all areas that have abatement for particulates and odors. Identify all metal melting and processing equipment by District source numbers according to District Permit or as exempt from District Permit. Label the attachment with the corresponding Attachment #.

**Attachment #**

Five-Year Review of the EMP: Schedule for Implementation of the EMP Elements and Fugitive Emissions Reductions

12-13-410

1. Provide a list of existing or current EMP elements in place during the 5-year review period (March 1, 2016 – February 28, 2021). Include a list of equipment, processes and procedures installed or implemented to reduce fugitive emissions and indicate the permit status if applicable. Specify the purpose for implementation and detail any employee training that was conducted. Any associated training materials shall be made available for Air District review upon request.
2. Provide a list of new or future EMP elements to be implemented following APCO approval of the EMP. Include a description, the purpose and schedule of the element(s) to be implemented.

|  |
| --- |
| 1. **12-13-410 SCHEDULE FOR IMPLEMENTATION OF THE EMP ELEMENTS AND FUGITIVE EMISSIONS REDUCTIONS REALIZED WITHIN THE LAST 5 YEARS (MARCH 1, 2016 – FEBRUARY 28, 2021)**
 |
| **Section #** | **Identify Type of Operation** **per Section 12-13-402** | **Description of Equipment, Processes or Procedures Implemented Between March 1, 2016 and February 28, 2021** | **Permit Status** | **Implementation Date** | **Purpose of Implementation** | **Description of Employee Training** |
|       |       |       | [ ]  A/C[ ]  P/O[ ]  N/A | Application # (if applicable):       |       |       |       |
|       |       |       | [ ]  A/C[ ]  P/O[ ]  N/A | Application # (if applicable):       |       |       |       |
|       |       |       | [ ]  A/C[ ]  P/O[ ]  N/A | Application # (if applicable):       |       |       |       |
|       |       |       | [ ]  A/C[ ]  P/O[ ]  N/A | Application # (if applicable):       |       |       |       |
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|       |       |       | [ ]  A/C[ ]  P/O[ ]  N/A | Application # (if applicable):       |       |       |       |

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| 1. **12-13-410 NEW OR FUTURE EMP ELEMENTS TO BE IMPLEMENTED**
 |
| **Section #** | **Identify Type of Operation** **per Section 12-13-402** | **List Specific Elements to be Implemented Following APCO Approval of the Updated EMP** | **Projected****Implementation Date** | **Description of Elements to be Implemented** | **Purpose of Implementation** |
|       |       |       |       |       |       |
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Appendix

Insert any attachments and supplemental information within the corresponding sections of the EMP or at the end of this document. Label each attachment with the corresponding Attachment #.

In the table below, list each Attachment # and provide the Page # and Section # (if applicable) of the EMP where the material is referenced.

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| **Attachment #** | **Reference to Page # and Section # of EMP** |
|       | Page #     , Section #       |
|       | Page #     , Section #       |
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