Emissions Minimization Plan

Regulation 6, Particulate Matter, Rule 4: Metal Recycling and Shredding Operations

Facility Name

Address City

Site #

Cable of C	Contents
	sible Manager of this facility, hereby certify that as of this date, this Emissions and contains all elements and information required of a complete EMP pursuant to
	ion Section 6-4-403 and that the information contained in this EMP is accurate.
Certified by:	Dated:
	Title
	Responsible Manager

Designation of Confidential Business Information

Specify the information you designate is "CONFIDENTIAL" and include specific section(s) and corresponding page number(s). Describe the basis, e.g. the information is trade secret or otherwise exempt under law from public disclosure.

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

Company Description

Company Organizational Chart and Schedule of Management Operators 6-4-403.1.3

- A. <u>Company Organizational Chart-</u> Attach a copy of the organizational chart of the company, which describes the business structure and provides the titles of the positions within the organization.
- B. <u>Schedule of Management Operators</u> Provide the names and contact information of the Onsite Responsible Manager(s) and Onsite Alternate Contact(s) and their duty schedule.

A. Company Organizational C	Chart	

B. Schedule of Management Operators

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:
Name: Title: Phone: Email: Schedule/Shift:

Operations Subject to EMP 6-4-402

The EMP shall address all of the following operations that are conducted at a metal recycling and shredding facility per 6-4-402 to reduce fugitive emissions.

Please check all facility operations that apply.

402.1	Roadways and Other Trafficked Surfaces	□ Yes □ No
402.2	Metal Management	□ Yes □ No
402.3	Shredder Residue (SR) Management	□ Yes □ No
402.3	Depollution Operations	□ Yes □ No

Contents of the EMP

6-4-403

The owner or operator of the metal recycling and shredding facility subject to Section 6-4-401 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 for the operations subject to the EMP.

A. Metal Recycling and Shredding Operations

- I. <u>Metal Management</u>- List and provide a description of all process equipment, materials received, processed or stored, abatement and control equipment and monitoring parameters to reduce fugitive emissions. Include a comprehensive list of all abatement and control equipment for operations subject to 6-4-402 and specify the source(s) that it abates.
- II. <u>Shredder Residue (SR) Management</u>- Identify the equipment or structures that are used in the management of shredder residue, including the treatment process used to reduce the leaching potential of residual soluble metals in the residue.
- III. <u>Depollution Operations</u>- Describe policies and procedures pertaining to: 1) the safe removal of materials from major appliances and vehicles that require special handling prior to crushing or transferring to balers or shredders for recycling; and 2) special handling of these materials if discovered during the recycling process.
- **B.** Scrap Acceptance Policy (6-4-403.3)- Provide and attach a copy of the facility's scrap acceptance policy.
- **C.** Management Practices to Reduce Fugitive Emissions- List and provide descriptions of all management practices conducted to include preventative maintenance activities, pollution prevention, housekeeping and source reduction measures to reduce fugitive emissions of particulates. Include the frequencies or circumstances when these measures and practices are undertaken (schedule of activity).
- D. Description of Onsite Management and Schedule of Facility

Operations - Describe the onsite management practices of metal recycling and shredding operations to reduce fugitive emissions, including those during business hours and after the close of business. Provide the approximate schedule of operations.

Metal Recycling and Shredding Operations

I. Metal Management

Provide a description of metal management operations which include the receipt, on-site transport, collection, sorting, segregation, compilation, crushing, shredding, and storage of metals, metal-containing materials, and non-metallic materials at a metal recycling and shredding facility. Include all abatement and monitoring parameters that are employed.

Section #	Operation	District S#	Description of Operation	Source Abated	District A#	Abatement Required by Permit	Type of Abatement	Abatement Monitored	Monitoring Parameters
	Receipt			☐ Yes ☐ No		□ Yes □ No		□ Yes □ No	
	Transport			□ Yes		□ Yes □ No		□ Yes □ No	
	Collection			□ Yes		□ Yes □ No		□ Yes □ No	
	Segregation			□ Yes		□ Yes □ No		□ Yes □ No	
	Separation			□ Yes		□ Yes □ No		□ Yes □ No	
	Compilation			□ Yes		□ Yes □ No		□ Yes □ No	
	Crushing			□ Yes		□ Yes □ No		□ Yes □ No	
	Shredding			□ Yes		□ Yes □ No		□ Yes □ No	
	Storage of metals			□ Yes		□ Yes □ No		□ Yes □ No	

Provide a list of the metals received and/or processed at facility.

Section #	Name of Metal or Metal Alloy

Identify the storage piles and the types of metal and metal-containing material being stored. Include whether any monitoring is conducted and detail the monitoring parameters and equipment used to minimize fugitive emissions.

Section	Description of Material		MONITORING		
#		Monitoring Conducted	Monitoring Parameters	Monitoring Equipment	If Yes: Identify Monitoring Equipment Used
Storage	of Delivered Scrap				
	•	☐ YES ☐ NO		☐ YES ☐ NO	
		☐ YES ☐ NO		☐ YES ☐ NO	
		☐ YES ☐ NO		☐ YES ☐ NO	
		☐ YES ☐ NO		☐ YES ☐ NO	
Storage	of Unprocessed Material				
	·	☐ YES ☐ NO		☐ YES ☐ NO	
		☐ YES ☐ NO		☐ YES ☐ NO	
		☐ YES ☐ NO		☐ YES ☐ NO	
		☐ YES ☐ NO		☐ YES ☐ NO	
Storage	of In-process Material				
	•	☐ YES ☐ NO		☐ YES ☐ NO	
		☐ YES ☐ NO		☐ YES ☐ NO	
		☐ YES ☐ NO		☐ YES ☐ NO	
		☐ YES ☐ NO		☐ YES ☐ NO	
Storage	of Finished Product				
		☐ YES ☐ NO		☐ YES ☐ NO	
		☐ YES ☐ NO		☐ YES ☐ NO	
		☐ YES ☐ NO		☐ YES ☐ NO	
		☐ YES ☐ NO		☐ YES ☐ NO	
Storage	of Shredder Residue				
		☐ YES ☐ NO		☐ YES ☐ NO	
		☐ YES ☐ NO		☐ YES ☐ NO	
		☐ YES ☐ NO		☐ YES ☐ NO	
		☐ YES ☐ NO		☐ YES ☐ NO	

ABATEMENT AND CONTROL EQUIPMENT

Provide a comprehensive list of all District-permitted abatement and control equipment to reduce emissions.

Section #	Abatement Equipment	District A#	Name of Source(s) Abated and District Source #(s)

Metal Recycling and Shredding Operations

II. Shredder Residue (SR) Management

SHREDDER RESIDUE (SR) MANAGEMENT

Describe the equipment or structures used for conveyance, storage and treatment of shredder residue (SR) during the recycling process. Include measures to minimize fugitive emissions.

#	Equipment or Structure SR S for Processing SR District in		Equipment or Structure	SR Stored		MONITORING	SR ADDITIVE
Section #	for Processing SR	District S#		Monitoring Conducted	Monitoring Parameters Use of Additi	SR Type and Purpose of Additive	
			□ Yes □ No	□ Yes □ No	□ Ye	s	
			□ Yes □ No	□ Yes □ No	□ Ye	s	
			□ Yes □ No	□ Yes □ No	□ Ye	S	
			□ Yes □ No	□ Yes □ No	□ Ye	S	
			□ Yes □ No	□ Yes □ No	□ Ye	s	
			□ Yes □ No	□ Yes □ No	□ Ye	s	

Metal Recycling and Shredding Operations

III. <u>Depollution Operations</u>

DEPOLLUTION OPERATIONS

List all materials that require special handling and removal in depollution operations.

Section	Metaviele Deguisies Consist Handling on Degravel
#	Materials Requiring Special Handling or Removal

DEPOLLUTION OPERATIONS

Describe the policies and procedures pertaining to the safe removal of materials from major appliances and vehicles that require special handling prior to crushing or transferring to balers or shredders for recycling. Include the measures that are implemented when these materials are discovered during the recycling process.

Scrap Acceptance Policy

SCRAP ACCEPTANCE POLICY Attach a copy of facility's Scrap Acceptance Policy.

Management Practices to Reduce Fugitive Emissions

MANAGEMENT PRACTICES TO REDUCE FUGITIVE EMISSIONS - ROADWAYS AND OTHER TRAFFICKED SURFACES

List and describe facility's management practices to reduce fugitive emissions from roadways and other trafficked surfaces. Detail the schedule of activities conducted.

	Section	Management Practices to Reduce Fugitive Emissions	Schedule of Activity
	#		
ROADWAY AND			
OTHER			
TRAFFICKED			
SURFACES			

MANAGEMENT PRACTICES TO REDUCE FUGITIVE EMISSIONS – METAL MANAGEMENT

List and describe facility's management practices to reduce fugitive emissions. Include the practices for receiving, processing and handling scrap and shredded materials to prevent fugitive emissions from operations. Detail the schedule of activities conducted.

	Section #	Management Practices to Reduce Fugitive Emissions	Schedule of Activity			
TRANSPORT						
RECEIPT						
COLLECTION						
SORTING						
SEGREGATION						
SEPARATION						
COMPILATION						
CRUSHING						
SHREDDING						
STORAGE OF METALS	SEE STOR	AGE PILE MANAGEMENT SECTION				
STORAGE OF METAL- CONTAINING MATERIAL	SEE STORAGE PILE MANAGEMENT SECTION					
STORAGE OF NON- METALLIC MATERIAL	SEE STOR	AGE PILE MANAGEMENT SECTION				

MANAGEMENT PRACTICES TO REDUCE FUGITIVE EMISSIONS – SHREDDER RESIDUE MANAGEMENT

List and describe facility's management practices to reduce fugitive emissions from processing and handling shredder residue. Detail the schedule of activities conducted.

MANAGEMENT PRACTICES TO REDUCE FUGITIVE EMISSIONS – DEPOLLUTION ACTIVITIES

List and describe facility's management practices to reduce fugitive emissions from processing and handling materials during depollution activities. Detail the schedule of activities conducted.

	Section	Management Practices to Reduce Fugitive Emissions	Schedule of Activity
	#		
DEPOLLUTION			
ACTIVITIES			

METAL MANAGEMENT – STORAGE PILE MANAGEMENT

List and describe the facility's storage pile management practices to reduce fugitive emissions from stored materials. Detail the schedule of activities conducted.

Types of Storage	Section # Management Practices to Reduce Emissions	Schedule of Activity
Storage of Delivered Scrap		
Storage of Unprocessed Material		
Storage of In-process Material		
Storage of Finished Product		
Storage of Shredder Residue	SEE SHREDDER RESIDUE MANAGEMENT SECTION	

Describe facility's storage pile management practices to minimize and prevent emissions from stored materials (i.e. limiting size of piles, creating fire breaks, segregation of materials, etc.). Specifically include policies and measures to prevent and control combustion of storage pile materials.

Description of Onsite Management And Schedule of Facility Operations

Onsite Management Practices

Provide a description of the facility's onsite management practices to reduce fugitive emissions.

Description of Onsite Management

Identify if staff are designated to observe visible emissions from metal shredding and recycling operations during business hours and after the close of business. Specify if staffing is Visible Emissions Evaluation (VEE) Certified. If onsite staffing is designated after the close of business, include a description of the duties to ensure visible emissions are minimized from storage piles of material.

% Operations	Onsite Personnel DURING Business Hours to Observe Visible Emissions	Staffing to Observe Visible Emissions	Onsite Personnel AFTER Business Hours to Observe Visible Emissions	Staffing to Observe Visible Emissions	If onsite staffing is designated after the close of business to observe visible emissions, describe the specific duties to manage storage piles to prevent and minimize visible emissions.
Roadways and Other Trafficked	☐ Yes ☐ No		☐ Yes ☐ No		
Surfaces		Number of Staff		Number of Staff	
Metal Management	☐ Yes ☐ No	#	☐ Yes ☐ No	#	
Transport	☐ Yes ☐ No		☐ Yes ☐ No		
Receipt	☐ Yes ☐ No	Visible	☐ Yes ☐ No	Visible	
1.000.pt		Emissions		Emissions	
Collection	☐ Yes ☐ No	Certified	☐ Yes ☐ No	Certified	
Sorting	☐ Yes ☐ No	□ Yes, #	☐ Yes ☐ No	□ Yes,#	
Segregation	☐ Yes ☐ No		☐ Yes ☐ No		
Separation	☐ Yes ☐ No		☐ Yes ☐ No		
Compilation	☐ Yes ☐ No		☐ Yes ☐ No		
Crushing	☐ Yes ☐ No		☐ Yes ☐ No		
Shredding	☐ Yes ☐ No		☐ Yes ☐ No		
Storage of Metals	☐ Yes ☐ No		☐ Yes ☐ No		
Storage of Metal-Containing Material	☐ Yes ☐ No		☐ Yes ☐ No		
Storage of Non-Metallic Material	☐ Yes ☐ No		☐ Yes ☐ No		
Shredder Residue Management	☐ Yes ☐ No		☐ Yes ☐ No		
Depollution Activities	☐ Yes ☐ No		☐ Yes ☐ No		

Description of Onsite Management

Identify any employee training provided pertaining to management practices and work practice standards to minimize fugitive emissions from recycling and shredding operations.

Section #	Employee Training

Schedule of Facility Operations

Provide the facility's schedule and hours of operation. Schedule of operations should include all shifts with specific operations identified.

Technical Data

6-4-403.1

- A. Process Flow Diagram Facilities must indicate all operations in Section 6-4-402, the flow of materials used and identify all monitoring and the processes, abatement and controls to minimize emissions beginning from material receipt to achievement of final product. Identify all equipment by source numbers according to District Permit or as exempt from District Permit. Include the abatement and control devices.
- B. 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 6-4-403.1.1 and any other source(s) that may contribute to particulates. Include all building walls, partitions, doors, windows, vents and openings and indicate all areas that have abatement for particulates. Note roadways and other trafficked surfaces, and indicate the types and locations of pervious and impervious surfaces. Identify all metal recycling and shredding equipment by the facility's District Permit source number or as exempt from District permit requirements and include abatement and control devices.

A. Process Flow Diagram				
Attach Process Flow Diagram				

B. Facility Layout / Floor Plan				
Attach Facility Layout/ Floor Plan				

Fugitive Emissions Reductions Previously Realized

6-4-403.2

Facilities must provide a description of the equipment, processes and procedures installed or implemented within the last five years that primarily or secondarily reduce fugitive emissions from facility operations. Include the purpose for implementation and detail any employee training that was conducted for that equipment, process or procedure and the frequency of the training.

6-4-403.2 FUGITIVE EMISSIONS REDUCTIONS PREVIOUSLY REALIZED						
Description of Equipment, Processes or	Implementation Date	Purpose of Implementation	Employee Training Conducted	Description of Employee Training and Frequency of Training		
			□ Yes □ No			
			□ Yes □ No			
			□ Yes □ No			
			□ Yes □ No			
			□ Yes □ No			
			□ Yes			
			□ Yes □ No			
			□ Yes □ No			
			□ Yes			
	Description of Equipment, Processes or	Implementation Description of Equipment, Processes or Date	Implementation Purpose of Implementation Description of Equipment, Processes or Date	Description of Equipment, Processes or Procedures Previously Realized Description of Equipment, Processes or Procedures Previously Realized Purpose of Implementation		

Schedule for the Implementation of the EMP Elements

6-4-403.4

- A. Provide a list of existing or current EMP elements in place pursuant to and under a District Authority to Construct as of the initial date of EMP submittal (on or before May 1, 2014). Include a description, the purpose and schedule of the element(s).
- **B.** 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.

A. 6-4	A. 6-4-403.3.1 SCHEDULE FOR THE IMPLEMENTATION OF THE EMP ELEMENTS (on or before May 1, 2014)					
Section #	Identify Type of Operation per Section 6-4-402	List Specific Elements to be Implemented on or before May 1, 2014 Date		Purpose of Implementation		

В	B. 6-4-403.3.2 NEW OR FUTURE EMP ELEMENTS TO BE IMPLEMENTED						
Section #	Identify Type of Operation per Section 6-4-402	List Specific Elements to be Implemented Following APCO Approval of the EMP	Implementation Date	Description of Elements to be Implemented	Purpose of Implementation		

Compliance Schedule for the EMP

6-4-404

- A. Determination of Completeness After facility submits the initial EMP, District APCO will make a completeness determination. If the EMP is determined to be "complete," additional revisions to EMP for completeness determination is not required. If the EMP is deemed "not complete," facility must address the APCO's "Basis for Determination and Required Correction Action" and submit revisions to the EMP. Include the date, description of the revision and corresponding page number(s) and section number(s) of the EMP where the revision can be located.
- B. APCO Recommendations to EMP and Determination of Approvability—Acknowledge acceptance or rejection of each of the APCO's recommendations. For each of the accepted recommendations, describe the measures to be implemented and include the date of proposed implementation. If the facility rejects a recommendation, provide a detailed basis for that rejection.

A. Determination of Completeness (6-4-404)

Date of EMP:

Date of Initial EMP Submittal	(FOR APCO USE ONLY) APCO Determination of Completeness	(FOR APCO USE ONLY) Basis for Determination of Completeness and Required Corrective Action
	 ☐ Yes, EMP is complete. ☐ No, EMP is not complete. Facility must detail and submit revisions below. 	

Section #	Date of Submission of Proposed Changes	description of the revision and corresponding page number(s) and section Description of Revisions	Corresponding Page and Section number(s) in EMP	(FOR APCO USE ONLY) APCO Determination of Revision
1				 ☐ Yes, revision accepted ☐ No, facility must submit additional revisions Basis:
2				 ☐ Yes, revision accepted ☐ No, facility must submit additional revisions Basis:
3				 ☐ Yes, revision accepted ☐ No, facility must submit additional revisions Basis:
4				 ☐ Yes, revision accepted ☐ No, facility must submit additional revisions Basis:

A. Determination of Completeness (6-4-404)

Date of EMP:

List al	TO BE COMPLETED IF EMP SUBMITTAL IS DEEMED "NOT COMPLETE" BY APCO. List all EMP revisions submitted to the District for completeness determination. Include the date and description of the revision and corresponding page number(s) and section number(s) of the EMP where the revision can be located.					
Section #	Date of Submission of Proposed Changes	Description of Revisions	Corresponding Page and Section number(s) in EMP	(FOR APCO USE ONLY) APCO Determination of Revision		
				☐ Yes, revision accepted☐ No, facility must submit additional revisionsBasis:		
				☐ Yes, revision accepted☐ No, facility must submit additional revisionsBasis:		
				☐ Yes, revision accepted☐ No, facility must submit additional revisionsBasis:		
				☐ Yes, revision accepted☐ No, facility must submit additional revisionsBasis:		
				 ☐ Yes, revision accepted ☐ No, facility must submit additional revisions Basis:		
				☐ Yes, revision accepted☐ No, facility must submit additional revisionsBasis:		

B. APCO Recommendations to EMP and Determination of Approvability (6-4-405)

Date of EMP:

Provide determination of acceptance to APCO recommendations. Include the determination of acceptance by the facility's Responsible Manager and the basis for rejecting any APCO recommendations. If recommendation is accepted, include measures to implement APCO recommendation and the proposed date of implementation.

Section #	Date of APCO Recommendation	(FOR APCO USE ONLY) APCO Recommendation	Acceptance of APCO Recommendation	If NO: Basis for Rejecting APCO Recommendation Measures to Implement Recommendation	Proposed Date of Implementation	(APCO USE ONLY) Implementation Verified by APCO
			□ Yes □ No			□ Yes □ No
			□ Yes □ No			□ Yes □ No
			□ Yes □ No			□ Yes □ No
			□ Yes □ No			□ Yes □ No

B. APCO Recommendations to EMP and Determination of Approvability (6-4-405)

Date of EMP:

Provide determination of acceptance to APCO recommendations. Include the determination of acceptance by the facility's Responsible Manager and the basis for rejecting any APCO recommendations. If recommendation is accepted, include measures to implement APCO recommendation and the proposed date of implementation.

Section #	Date of APCO Recommendation	(FOR APCO USE ONLY) APCO Recommendation	Acceptance of APCO Recommendation	If NO: Basis for Rejecting APCO Recommendation Measures to Implement Recommendation	Proposed Date of Implementation	(APCO USE ONLY) Implementation Verified by APCO
			□ Yes □ No			□ Yes □ No
			□ Yes □ No			□ Yes □ No
			□ Yes □ No			□ Yes □ No
			□ Yes □ No			□ Yes □ No

Appendix

If additional information are to be included in the EMP, identify the associated Appendix # as "*#*" in the text box of the specific table.

In the table below, note the Appendix # and provide the Page # and Section # of the EMP where the material references.

Appendix #	Reference to Page # and Section # of EMP
	Page # , Section #

Appendix #	Reference to Page # and Section # of EMP
	Page # , Section #
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Appendix #

Reference to Page #, Section #