METHOD 22 VISIBLE EMISSIONS (VE) MONITORING INSTRUCTIONS

for

DRY ABRASIVE BLASTING – (Objects > 8 feet without PM control equipment)

• WELDING OPERATIONS – (MFHAP consumable usage \geq 2,000 lbs/rolling 12 months) National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Nine Metal Fabrication and Finishing Source Categories, 40 CFR Part, 63, Subpart XXXXXX (6X)

What equipment do I need?

- You need two stopwatches (SW1 and SW2). They must be the accumulative type and must measure to at least ½ of a second.
- A Method 22 VE Observation Log Sheet (attached).

Where do I stand to look for visible emissions?

- For indoor operations (welding and/or abrasive blasting), you must perform visual determinations at the primary vent, stack, exit, or opening from the building housing the operation.
- For outdoor abrasive blasting, observe at the fence line or property border nearest to the outdoor abrasive blasting operation.
- Choose a location with a clear view of the potential emissions point. Make sure it is safe not in the way of moving equipment -- and does not pose any other safety hazard.
- The method recommends that you stand no closer than 15 feet and no farther away than ¹/₄ mile from the emissions point.
- Pick a spot where the sunlight is not shining directly into your eyes.

How long do I have to observe for emissions?

• The duration of each EPA Method 22 determination for 6X Tier 1 monitoring is at least 15 minutes.

What if visible emissions are observed?

Dry Abrasive Blasting Operations:

If visible emissions are "present" (i.e., emissions are visible for more than 6 minutes of accumulated time during the 15 minute monitoring period), you must:

- Perform corrective action until visible emissions are eliminated
- Perform a follow-up Method 22 VE observation

Welding Operations:

If visible emissions are "present" (i.e., emissions are visible for more than 6 minutes of accumulated time during the 15 minute monitoring period), you must:

- Perform corrective action (e.g., inspect welding sources, evaluate fume control measures implemented at the facility)
- Perform a follow-up Method 22 VE observation

METHOD 22 VISIBLE REC	EMISSIONS MOI	NITORING
Company name: Location:	Observer:	
Date:		
Process Observed:	Visible emission t	esting frequency (circle one):
		Monthly Quarterly
Sky conditions:	Wind direction:	
Precipitation:	Wind speed:	
emission points (e.g., fence line or property border no building ventilation fan, building door opening, etc		
OBSERVATIONS Basin Observation	SW1 Observation time (15 minutes)	SW2 Interval of time emissions are observed (emissions time)
Begin Observation	(15 minutes)	minutes:seconds
Clock Time: am / pm		
Record total time of continuous emissions:		
Record total time of continuous emissions:		
Record total time of continuous emissions:		
Record total time of continuous emissions:		
Record total time of continuous emissions:		
End Observation		
Clock Time: am / pm		
(15 min. later)		
<u>TOTAL ACCUMULATED TIMI</u> <u>EMISSIONS OBSERVED*:</u> * Immediate corrective action is required if the to emissions time is greater than 6 mini	otal accumulated	