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 ¼ 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 VISIBLI REG	E EMISSIONS MONI CORD LOG	ITORING
Company name:	Observer:	
Location:		
Date:	X7. 91.1 • • •	
Process Observed:		sting frequency (circle one): Monthly Quarterly
	Daily Weekly I	Monthly Quarterly
Sky conditions:	Wind direction:	
Precipitation:	Wind speed:	
emission points (e.g., fence line or property border n building ventilation fan, building door opening, e		
OBSERVATIONS Begin Observation	SW1 Observation time (15 minutes)	SW2 Interval of time emissions are observed (emissions time)
Clock Time: am / pm		minutes:seconds
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		
End Observation		