

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 10-08-11**

Date: 10/3/11 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
ENE	6:00 AM	30 min Avg	0.022	30 min Avg	0.030	0.044	0.050
ENE	6:30 AM	30 min Avg	0.011	30 min Avg	0.016	0.033	0.039
ENE	7:00 AM	30 min Avg	0.007	30 min Avg	0.014	0.029	0.035
ENE	7:30 AM	30 min Avg	0.032	30 min Avg	0.020	<b>0.054</b>	<b>0.060</b>
ENE	8:00 AM	30 min Avg	0.006	30 min Avg	0.000	<b>0.028</b>	<b>0.034</b>
NE	8:30 AM	30 min Avg	0.015	30 min Avg	0.019	<b>0.037</b>	<b>0.043</b>
ENE	9:00 AM	30 min Avg	0.000	30 min Avg	0.006	<b>0.022</b>	<b>0.028</b>
ENE	9:30 AM	30 min Avg	0.001	30 min Avg	0.010	<b>0.023</b>	<b>0.029</b>
ENE	10:00 AM	30 min Avg	0.000	30 min Avg	0.005	<b>0.022</b>	<b>0.028</b>
ENE	10:30 AM	30 min Avg	0.001	30 min Avg	0.019	<b>0.023</b>	<b>0.029</b>
ENE	11:00 AM	30 min Avg	0.005	30 min Avg	0.005	<b>0.027</b>	<b>0.033</b>
ENE	11:30 AM	30 min Avg	0.005	30 min Avg	0.009	<b>0.027</b>	<b>0.033</b>
E	12:00 PM	30 min Avg	0.014	30 min Avg	0.020	0.049	0.059
E	12:30 PM	30 min Avg	0.011	30 min Avg	0.000	0.046	0.056
E	1:00 PM	30 min Avg	0.005	30 min Avg	0.006	0.040	0.050
E	1:30 PM	30 min Avg	0.012	30 min Avg	0.002	0.047	0.057
E	2:00 PM	30 min Avg	0.015	30 min Avg	0.011	0.050	0.060
E	2:30 PM	30 min Avg	0.003	30 min Avg	0.005	0.038	0.048
E	3:00 PM	30 min Avg	0.009	30 min Avg	0.008	0.044	0.054
E	3:30 PM	30 min Avg	0.009	30 min Avg	0.002	0.044	0.054
E	4:00 PM	30 min Avg	0.009	30 min Avg	0.014	0.044	0.054
E	4:30 PM	30 min Avg	0.007	30 min Avg	0.009	0.042	0.052
E	5:00 PM	30 min Avg	0.010	30 min Avg	0.000	0.045	0.055
E	5:30 PM	30 min Avg	0.006	30 min Avg	0.005	0.041	0.051

Notes: E-Bam Unit 2 located SE corner of plant; Unit 1 located SW side of plant, south of Bldg. 3.

All readings in mg/m<sup>3</sup>

Action Levels for wind without a northerly component

Action level = upwind concentration + 0.035 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

Note time/duration of work stoppage: **NONE**

---



---



---

Action Levels for wind with a northerly component (Implement 9/30/11 thru 10/14/11)

Action level = upwind concentration + 0.022 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.028 mg/m<sup>3</sup>

Note time/duration of work stoppage: **NONE**

---



---



---

Note: Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered accurate

Note: Revised action levels in bold in effect 9/30/11 thru 10/14/11, only when measured wind direction has northerly component.

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 10-08-11**

Date: 10/4/11 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
ENE	6:00 AM	30 min Avg	0.000	30 min Avg	0.000	0.022	0.028
ENE	6:30 AM	30 min Avg	0.076	30 min Avg	0.078	0.098	0.104
NE	7:00 AM	30 min Avg	0.008	30 min Avg	0.004	0.030	0.036
ENE	7:30 AM	30 min Avg	0.008	30 min Avg	0.014	<b>0.030</b>	<b>0.036</b>
NE	8:00 AM	30 min Avg	0.011	30 min Avg	0.007	<b>0.033</b>	<b>0.039</b>
NE	8:30 AM	30 min Avg	0.000	30 min Avg	0.000	<b>0.022</b>	<b>0.028</b>
NE	9:00 AM	30 min Avg	0.021	30 min Avg	0.009	<b>0.043</b>	<b>0.049</b>
NE	9:30 AM	30 min Avg	0.000	30 min Avg	0.012	<b>0.022</b>	<b>0.028</b>
NE	10:00 AM	30 min Avg	0.000	30 min Avg	0.018	<b>0.022</b>	<b>0.028</b>
NE	10:30 AM	30 min Avg	0.002	30 min Avg	0.017	<b>0.024</b>	<b>0.030</b>
ENE	11:00 AM	30 min Avg	0.000	30 min Avg	0.003	<b>0.022</b>	<b>0.028</b>
ENE	11:30 AM	30 min Avg	0.003	30 min Avg	0.009	<b>0.025</b>	<b>0.031</b>
E	12:00 PM	30 min Avg	0.021	30 min Avg	0.003	0.056	0.066
E	12:30 PM	30 min Avg	0.000	30 min Avg	0.016	0.035	0.045
E	1:00 PM	30 min Avg	0.007	30 min Avg	0.000	0.042	0.052
E	1:30 PM	30 min Avg	0.000	30 min Avg	0.006	0.035	0.045
E	2:00 PM	30 min Avg	0.007	30 min Avg	0.004	0.042	0.052
E	2:30 PM	30 min Avg	0.010	30 min Avg	0.002	0.045	0.055
E	3:00 PM	30 min Avg	0.017	30 min Avg	0.013	0.052	0.062
E	3:30 PM	30 min Avg	0.005	30 min Avg	0.000	0.040	0.050
E	4:00 PM	30 min Avg	0.010	30 min Avg	0.015	0.045	0.055
E	4:30 PM	30 min Avg	0.009	30 min Avg	0.007	0.044	0.054
ESE	5:00 PM	30 min Avg	0.019	30 min Avg	0.006	0.054	0.064
ESE	5:30 PM	30 min Avg	0.004	30 min Avg	0.012	0.039	0.049

Notes: E-Bam Unit 2 located SE corner of plant; Unit 1 located on SW side of plant, South of Bldg 3.

All readings in mg/m<sup>3</sup>

Action Levels for wind without a northerly component

Action level = upwind concentration + 0.035 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

Note time/duration of work stoppage: NONE

---



---



---

Action Levels for wind with a northerly component (Effective 9/30/11 thru 10/14/11)

Action level = upwind concentration + 0.022 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.028 mg/m<sup>3</sup>

Note time/duration of work stoppage: NONE

---



---



---

Note: Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered

Note: Revised action levels in bold in effect 9/30/11 thru 10/14/11, only when measured wind direction has northerly component.

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 10-08-11**

Date: 10/5/11 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
SE	6:00 AM	30 min Avg	0.000	0.035	0.045
SE	6:30 AM	30 min Avg	0.094	0.129	0.139
SE	7:00 AM	30 min Avg	0.027	0.062	0.072
<b>ENE</b>	7:30 AM	30 min Avg	0.023	<b>0.045</b>	<b>0.051</b>
<b>ENE</b>	8:00 AM	30 min Avg	0.003	<b>0.025</b>	<b>0.031</b>
<b>ENE</b>	8:30 AM	30 min Avg	0.008	<b>0.030</b>	<b>0.036</b>
<b>ENE</b>	9:00 AM	30 min Avg	0.000	<b>0.022</b>	<b>0.028</b>
E-variable	9:30 AM	30 min Avg	0.000	0.035	0.045
E-variable	10:00 AM	30 min Avg	0.000	0.035	0.045
ESE	10:30 AM	30 min Avg	0.009	0.044	0.054
E	11:00 AM	30 min Avg	0.009	0.044	0.054
E	11:30 AM	30 min Avg	0.018	0.053	0.063
ESE	12:00 PM	30 min Avg	0.000	0.035	0.045
E	12:30 PM	30 min Avg	0.008	0.043	0.053
E	1:00 PM	30 min Avg	0.005	0.040	0.050
E	1:30 PM	30 min Avg	0.000	0.035	0.045
E	2:00 PM	30 min Avg	0.001	0.036	0.046
ESE	2:30 PM	30 min Avg	0.009	0.044	0.054
ESE	3:00 PM	30 min Avg	0.004	0.039	0.049
E	3:30 PM	30 min Avg	0.001	0.036	0.046
ESE	4:00 PM	30 min Avg	0.007	0.042	0.052
ESE	4:30 PM	30 min Avg	0.008	0.043	0.053
ESE	5:00 PM	30 min Avg	0.010	0.045	0.055
ESE	5:30 PM	30 min Avg	0.012	0.047	0.057

Notes: E-Bam Unit 2 located SE corner of Plant; Unit 1 located NW side of Plant-west of Bldg 14; moved to SW side of Plant -South of Bldg 3.  
All readings in mg/m<sup>3</sup>

**Action Levels for wind without a northerly component**

Action level = upwind concentration + 0.035 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

*Note time/duration of work stoppage:*

---



---



---

**Action Levels for wind with a northerly component (Effective 9/30/11 thru 10/14/11)**

Action level = upwind concentration + 0.022 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.028 mg/m<sup>3</sup>

*Note time/duration of work stoppage: At 8:40 a.m., E-Bam Unit 1 (downwind) was moved to SW side of Plant due to ENE winds.*

---



---



---

Note: Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered

Note: Revised action levels in bold in effect 9/30/11 thru 10/14/11, only when measured wind direction has northerly component.

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 10-08-11**

Date: 10/6/11 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
ESE	6:00 AM	30 min Avg	0.000	0.035	0.045
SE	6:30 AM	30 min Avg	0.097	0.132	0.142
SE	7:00 AM	30 min Avg	0.021	0.056	0.066
SE	7:30 AM	30 min Avg	0.000	0.035	0.045
<b>ENE</b>	<b>8:00 AM</b>	30 min Avg	0.000	<b>0.022</b>	<b>0.028</b>
<b>ENE</b>	<b>8:30 AM</b>	30 min Avg	0.045	<b>0.067</b>	<b>0.073</b>
<b>ENE</b>	<b>9:00 AM</b>	30 min Avg	0.001	<b>0.023</b>	<b>0.029</b>
<b>NNE</b>	<b>9:30 AM</b>	30 min Avg	0.000	<b>0.022</b>	<b>0.028</b>
<b>ENE</b>	<b>10:00 AM</b>	30 min Avg	0.000	<b>0.022</b>	<b>0.028</b>
E	10:30 AM	30 min Avg	0.011	0.046	0.056
E	11:00 AM	30 min Avg	0.000	0.035	0.045
E	11:30 AM	30 min Avg	0.011	0.046	0.056
ESE	12:00 PM	30 min Avg	0.003	0.038	0.048
E	12:30 PM	30 min Avg	0.019	0.054	0.064
E	1:00 PM	30 min Avg	0.005	0.040	0.050
E	1:30 PM	30 min Avg	0.008	0.043	0.053
E	2:00 PM	30 min Avg	0.016	0.051	0.061
E	2:30 PM	30 min Avg	0.014	0.049	0.059
ESE	3:00 PM	30 min Avg	0.014	0.049	0.059
ESE	3:30 PM	30 min Avg	0.013	0.048	0.058
E	4:00 PM	30 min Avg	0.011	0.046	0.056
E	4:30 PM	30 min Avg	0.009	0.044	0.054
E	5:00 PM	30 min Avg	0.001	0.036	0.046
E	5:30 PM	30 min Avg	0.005	0.040	0.050

Notes:

All readings in mg/m<sup>3</sup>

**Action Levels for wind without a northerly component**

Action level = upwind concentration + 0.035 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

*Note time/duration of work stoppage:* NONE

---



---



---



---

**Action Levels for wind with a northerly component (Effective 9/30/11 thru 10/14/11)**

Action level = upwind concentration + 0.022 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.028 mg/m<sup>3</sup>

*Note time/duration of work stoppage:* NONE

---



---



---



---

Note: Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered

Note: Revised action levels in bold in effect 9/30/11 thru 10/14/11, only when measured wind direction has northerly component.

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 10-08-11**

Date: 10/7/11 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
ESE	6:00 AM	30 min Avg	0.000	30 min Avg	<b>0.000</b>	<b>0.035</b>	<b>0.045</b>
ESE	6:30 AM	30 min Avg	0.068	30 min Avg	<b>0.087</b>	<b>0.103</b>	<b>0.113</b>
ESE	7:00 AM	30 min Avg	0.022	30 min Avg	<b>0.016</b>	<b>0.057</b>	<b>0.067</b>
ESE	7:30 AM	30 min Avg	0.012	30 min Avg	0.014	0.047	0.057
ESE	8:00 AM	30 min Avg	0.040	30 min Avg	0.016	0.075	0.085
ESE	8:30 AM	30 min Avg	0.007	30 min Avg	0.007	0.042	0.052
ESE	9:00 AM	30 min Avg	0.000	30 min Avg	0.002	0.035	0.045
ESE	9:30 AM	30 min Avg	0.000	30 min Avg	0.000	0.035	0.045
SE	10:00 AM	30 min Avg	0.000	30 min Avg	0.019	0.035	0.045
SE	10:30 AM	30 min Avg	0.000	30 min Avg	0.000	0.035	0.045
ESE	11:00 AM	30 min Avg	0.033	30 min Avg	0.045	0.068	0.078
SE	11:30 AM	30 min Avg	0.001	30 min Avg	0.000	0.036	0.046
SE	12:00 PM	30 min Avg	0.002	30 min Avg	0.000	0.037	0.047
SE	12:30 PM	30 min Avg	0.008	30 min Avg	0.034	0.043	0.053
SE	1:00 PM	30 min Avg	0.000	30 min Avg	0.009	0.035	0.045
SE	1:30 PM	30 min Avg	0.001	30 min Avg	0.003	0.036	0.046
ESE	2:00 PM	30 min Avg	0.009	30 min Avg	0.001	0.044	0.054
ESE	2:30 PM	30 min Avg	0.012	30 min Avg	0.005	0.047	0.057
ESE	3:00 PM	30 min Avg	0.005	30 min Avg	0.016	0.040	0.050
ESE	3:30 PM	30 min Avg	0.007	30 min Avg	0.017	0.042	0.052
ESE	4:00 PM	30 min Avg	0.007	30 min Avg	0.001	0.042	0.052
ESE	4:30 PM	30 min Avg	0.003	30 min Avg	0.002	0.038	0.048
ESE	5:00 PM	30 min Avg	0.009	30 min Avg	0.014	0.044	0.054
ESE	5:30 PM	30 min Avg	0.012	30 min Avg	0.003	0.047	0.057

Notes: E-Bam Unit #2 located SE corner of plant; Unit #1 located SW side of plant, south of Bldg 3; moved NW side of plant, west of building 14  
All readings in mg/m<sup>3</sup>

**Action Levels for wind without a northerly component**

Action level = upwind concentration + 0.035 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

Note time/duration of work stoppage: The downwind E-Bam Unit #1 was moved to the Northwest side of plant, west of building 14, due to steady southeast winds.

**Action Levels for wind with a northerly component (Effective 9/30/11 thru 10/14/11)**

Action level = upwind concentration + 0.022 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.028 mg/m<sup>3</sup>

Note time/duration of work stoppage:

Note: Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered

Note: Revised action levels in bold in effect 9/30/11 thru 10/14/11, only when measured wind direction has northerly component.

