

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 01-07-12**

Date: 1/2/2012 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
	6:00 AM	30 min Avg	30 min Avg	0.035	0.045
	6:30 AM	30 min Avg	30 min Avg	0.035	0.045
	7:00 AM	30 min Avg	30 min Avg	0.035	0.045
	7:30 AM	30 min Avg	30 min Avg	0.035	0.045
	8:00 AM	30 min Avg	30 min Avg	0.035	0.045
	8:30 AM	30 min Avg	30 min Avg	0.035	0.045
	9:00 AM	30 min Avg	30 min Avg	0.035	0.045
	9:30 AM	30 min Avg	30 min Avg	0.035	0.045
	10:00 AM	30 min Avg	30 min Avg	0.035	0.045
	10:30 AM	30 min Avg	30 min Avg	0.035	0.045
	11:00 AM	30 min Avg	30 min Avg	0.035	0.045
	11:30 AM	30 min Avg	30 min Avg	0.035	0.045
	12:00 PM	30 min Avg	30 min Avg	0.035	0.045
	12:30 PM	30 min Avg	30 min Avg	0.035	0.045
	1:00 PM	30 min Avg	30 min Avg	0.035	0.045
	1:30 PM	30 min Avg	30 min Avg	0.035	0.045
	2:00 PM	30 min Avg	30 min Avg	0.035	0.045
	2:30 PM	30 min Avg	30 min Avg	0.035	0.045
	3:00 PM	30 min Avg	30 min Avg	0.035	0.045
	3:30 PM	30 min Avg	30 min Avg	0.035	0.045
	4:00 PM	30 min Avg	30 min Avg	0.035	0.045
	4:30 PM	30 min Avg	30 min Avg	0.035	0.045
	5:00 PM	30 min Avg	30 min Avg	0.035	0.045
	5:30 PM	30 min Avg	30 min Avg	0.035	0.045

E-BAM locations (Upwind) S- east of building 46 (Downwind) NW- west of building 14

**Action Levels**

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: New Years Holiday.*

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**Notes:**

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

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

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 01-07-12**

Date: 1/3/2012 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
	6:00 AM	30 min Avg	30 min Avg	0.035	0.045
	6:30 AM	30 min Avg	30 min Avg	0.035	0.045
	7:00 AM	30 min Avg	30 min Avg	0.035	0.045
	7:30 AM	30 min Avg	30 min Avg	0.035	0.045
	8:00 AM	30 min Avg	30 min Avg	0.035	0.045
	8:30 AM	30 min Avg	30 min Avg	0.035	0.045
	9:00 AM	30 min Avg	30 min Avg	0.035	0.045
	9:30 AM	30 min Avg	30 min Avg	0.035	0.045
	10:00 AM	30 min Avg	30 min Avg	0.035	0.045
	10:30 AM	30 min Avg	30 min Avg	0.035	0.045
	11:00 AM	30 min Avg	30 min Avg	0.035	0.045
	11:30 AM	30 min Avg	30 min Avg	0.035	0.045
	12:00 PM	30 min Avg	30 min Avg	0.035	0.045
	12:30 PM	30 min Avg	30 min Avg	0.035	0.045
	1:00 PM	30 min Avg	30 min Avg	0.035	0.045
	1:30 PM	30 min Avg	30 min Avg	0.035	0.045
	2:00 PM	30 min Avg	30 min Avg	0.035	0.045
	2:30 PM	30 min Avg	30 min Avg	0.035	0.045
	3:00 PM	30 min Avg	30 min Avg	0.035	0.045
	3:30 PM	30 min Avg	30 min Avg	0.035	0.045
	4:00 PM	30 min Avg	30 min Avg	0.035	0.045
	4:30 PM	30 min Avg	30 min Avg	0.035	0.045
	5:00 PM	30 min Avg	30 min Avg	0.035	0.045
	5:30 PM	30 min Avg	30 min Avg	0.035	0.045

E-BAM locations (Upwind) NW- west of building 14 (Downwind) S- east of building 46

**Action Levels**

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: Travel Day.*

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**Notes:**

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

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

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 01-07-12**

Date: 1/4/2012 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	0.035	0.045
SE	6:30 AM	30 min Avg	0.022	0.057	0.067
ESE	7:00 AM	30 min Avg	0.027	0.062	0.072
SE	7:30 AM	30 min Avg	0.013	0.048	0.058
SE	8:00 AM	30 min Avg	0	0.035	0.045
SE	8:30 AM	30 min Avg	0.066	0.101	0.111
SSE	9:00 AM	30 min Avg	0	0.035	0.045
S	9:30 AM	30 min Avg	0	0.035	0.045
S	10:00 AM	30 min Avg	0	0.035	0.045
S	10:30 AM	30 min Avg	0	0.035	0.045
S	11:00 AM	30 min Avg	0.009	0.044	0.054
S	11:30 AM	30 min Avg	0	0.035	0.045
S	12:00 PM	30 min Avg	0.001	0.036	0.046
S	12:30 PM	30 min Avg	0.005	0.040	0.050
SSE	1:00 PM	30 min Avg	0.003	0.038	0.048
SSE	1:30 PM	30 min Avg	0.008	0.043	0.053
SSE	2:00 PM	30 min Avg	0.007	0.042	0.052
SSE	2:30 PM	30 min Avg	0.004	0.039	0.049
SSE	3:00 PM	30 min Avg	0.002	0.037	0.047
SSE	3:30 PM	30 min Avg	0.014	0.049	0.059
SE	4:00 PM	30 min Avg	0.005	0.040	0.050
SE	4:30 PM	30 min Avg	0.005	0.040	0.050
SE	5:00 PM	30 min Avg	0.004	0.039	0.049
SE	5:30 PM	30 min Avg	0.013	0.048	0.058

E-BAM locations (Upwind) S- east of building 46 (Downwind) NW- west of building 14

**Action Levels**

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 9:00 reading reached a stop work level. All work except for dust suppression stopped for 30 minutes until the next reading had shown we were in compliance to continue.*

**Notes:**

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

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

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 01-07-12**

Date: 1/5/2012 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
NNE	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
NNE	6:30 AM	30 min Avg	0.009	30 min Avg	0.031	0.044	0.054
NNE	7:00 AM	30 min Avg	0.015	30 min Avg	0.025	0.050	0.060
NNE	7:30 AM	30 min Avg	0.029	30 min Avg	0.008	0.064	0.074
NNE	8:00 AM	30 min Avg	0	30 min Avg	0.004	0.035	0.045
NNE	8:30 AM	30 min Avg	0.016	30 min Avg	0.031	0.051	0.061
	9:00 AM	30 min Avg		30 min Avg		0.035	0.045
	9:30 AM	30 min Avg		30 min Avg		0.035	0.045
	10:00 AM	30 min Avg		30 min Avg		0.035	0.045
	10:30 AM	30 min Avg		30 min Avg		0.035	0.045
	11:00 AM	30 min Avg		30 min Avg		0.035	0.045
	11:30 AM	30 min Avg		30 min Avg		0.035	0.045
	12:00 PM	30 min Avg		30 min Avg		0.035	0.045
	12:30 PM	30 min Avg		30 min Avg		0.035	0.045
	1:00 PM	30 min Avg		30 min Avg		0.035	0.045
	1:30 PM	30 min Avg		30 min Avg		0.035	0.045
	2:00 PM	30 min Avg		30 min Avg		0.035	0.045
	2:30 PM	30 min Avg		30 min Avg		0.035	0.045
	3:00 PM	30 min Avg		30 min Avg		0.035	0.045
	3:30 PM	30 min Avg		30 min Avg		0.035	0.045
	4:00 PM	30 min Avg		30 min Avg		0.035	0.045
	4:30 PM	30 min Avg		30 min Avg		0.035	0.045
	5:00 PM	30 min Avg		30 min Avg		0.035	0.045
	5:30 PM	30 min Avg		30 min Avg		0.035	0.045
	6:00 PM	30 min Avg		30 min Avg		0.035	0.045

E-BAM locations (Upwind) NW- west of building 14 (Downwind) S- east of building 46

**Action Levels**

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: Abatement, demo, haz. waste removal and the cutting of the stack did not start today as advised by the trustee's representative not to work with a northerly wind.*

**Notes:**

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

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

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 01-07-12**

Date: 1/6/2012 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
S	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
S	6:30 AM	30 min Avg	0.023	30 min Avg	0.029	0.058	0.068
SE	7:00 AM	30 min Avg	0.034	30 min Avg	0.016	0.069	0.079
SE	7:30 AM	30 min Avg	0.023	30 min Avg	0.038	0.058	0.068
S	8:00 AM	30 min Avg	0.044	30 min Avg	0.03	0.079	0.089
S	8:30 AM	30 min Avg	0.01	30 min Avg	0.024	0.045	0.055
S	9:00 AM	30 min Avg	0.021	30 min Avg	0.022	0.056	0.066
S	9:30 AM	30 min Avg	0.022	30 min Avg	0.032	0.057	0.067
S	10:00 AM	30 min Avg	0	30 min Avg	0.013	0.035	0.045
S	10:30 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
SSE	11:00 AM	30 min Avg	0	30 min Avg	0.012	0.035	0.045
SSE	11:30 AM	30 min Avg	0	30 min Avg	0.01	0.035	0.045
SSE	12:00 PM	30 min Avg	0.014	30 min Avg	0.013	0.049	0.059
SSE	12:30 PM	30 min Avg	0	30 min Avg	0.002	0.035	0.045
SSE	1:00 PM	30 min Avg	0.005	30 min Avg	0.007	0.040	0.050
SSE	1:30 PM	30 min Avg	0	30 min Avg	0.01	0.035	0.045
SSE	2:00 PM	30 min Avg	0.002	30 min Avg	0.008	0.037	0.047
SSE	2:30 PM	30 min Avg	0.002	30 min Avg	0.006	0.037	0.047
SSE	3:00 PM	30 min Avg	0.006	30 min Avg	0.004	0.041	0.051
SSE	3:30 PM	30 min Avg	0.006	30 min Avg	0.005	0.041	0.051
SSE	4:00 PM	30 min Avg	0	30 min Avg	0.007	0.035	0.045
SSE	4:30 PM	30 min Avg	0.013	30 min Avg	0.003	0.048	0.058
SSE	5:00 PM	30 min Avg	0.001	30 min Avg	0.008	0.036	0.046
SSE	5:30 PM	30 min Avg	0.021	30 min Avg	0.008	0.056	0.066

E-BAM locations (Upwind) S-east of building 46 (Downwind) NW- west of building 14

**Action Levels**

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:*

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**Notes:**

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

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

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 01-07-12**

Date: 1/7/2012 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
S	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
S	6:30 AM	30 min Avg	0.007	30 min Avg	0.018	0.042	0.052
S	7:00 AM	30 min Avg	0.005	30 min Avg	0.011	0.040	0.050
S	7:30 AM	30 min Avg	0.009	30 min Avg	0.009	0.044	0.054
S	8:00 AM	30 min Avg	0.001	30 min Avg	0.014	0.036	0.046
S	8:30 AM	30 min Avg	0.004	30 min Avg	0.002	0.039	0.049
SSW	9:00 AM	30 min Avg	0.042	30 min Avg	0.03	0.077	0.087
SSW	9:30 AM	30 min Avg	0.025	30 min Avg	0.007	0.060	0.070
SSW	10:00 AM	30 min Avg	0	30 min Avg	0.019	0.035	0.045
SSW	10:30 AM	30 min Avg	0.003	30 min Avg	0.013	0.038	0.048
SW	11:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
SW	11:30 AM	30 min Avg	0.005	30 min Avg	0.004	0.040	0.050
SW	12:00 PM	30 min Avg	0	30 min Avg	0.011	0.035	0.045
SW	12:30 PM	30 min Avg	0.001	30 min Avg	0.021	0.036	0.046
SW	1:00 PM	30 min Avg	0.003	30 min Avg	0.01	0.038	0.048
SW	1:30 PM	30 min Avg	0.009	30 min Avg	0.005	0.044	0.054
SW	2:00 PM	30 min Avg	0.011	30 min Avg	0.003	0.046	0.056
SW	2:30 PM	30 min Avg	0	30 min Avg	0.009	0.035	0.045
ESE	3:00 PM	30 min Avg	0.015	30 min Avg	0.013	0.050	0.060
ESE	3:30 PM	30 min Avg	0.013	30 min Avg	0.014	0.048	0.058
ESE	4:00 PM	30 min Avg	0.016	30 min Avg	0.017	0.051	0.061
ESE	4:30 PM	30 min Avg	0.006	30 min Avg	0.009	0.041	0.051
ESE	5:00 PM	30 min Avg	0.009	30 min Avg	0.008	0.044	0.054
ESE	5:30 PM	30 min Avg		30 min Avg		0.035	0.045

E-BAM locations (Upwind) S-east of building 46 (Downwind) NW- west of building 14

**Action Levels**

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: All work stopped a 4:35 for the weekend.*

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**Notes:**

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

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