

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 06-10-12**

Date: 6/4/2012 Technician: Carl Jones

Prevailing Wind Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
SSE	6:00 AM	30 min Avg	0	0.035	0.045
SSE	6:30 AM	30 min Avg	0	0.035	0.045
SSE	7:00 AM	30 min Avg	0.021	0.056	0.066
SSE	7:30 AM	30 min Avg	0.007	0.042	0.052
SSE	8:00 AM	30 min Avg	0.04	0.075	0.085
SSE	8:30 AM	30 min Avg	0.015	0.050	0.060
S	9:00 AM	30 min Avg	0.02	0.055	0.065
S	9:30 AM	30 min Avg	0.005	0.040	0.050
S	10:00 AM	30 min Avg	0.013	0.048	0.058
SE	10:30 AM	30 min Avg	0.008	0.043	0.053
SSE	11:00 AM	30 min Avg	0.009	0.044	0.054
SSE	11:30 AM	30 min Avg	0.01	0.045	0.055
SE	12:00 PM	30 min Avg	0.012	0.047	0.057
SE	12:30 PM	30 min Avg	0.019	0.054	0.064
SSE	1:00 PM	30 min Avg	0.003	0.038	0.048
SE	1:30 PM	30 min Avg	0.007	0.042	0.052
SE	2:00 PM	30 min Avg	0.016	0.051	0.061
SE	2:30 PM	30 min Avg	0.009	0.044	0.054
SE	3:00 PM	30 min Avg	0.006	0.041	0.051
SE	3:30 PM	30 min Avg	0.008	0.043	0.053
SE	4:00 PM	30 min Avg	0.003	0.038	0.048
ESE	4:30 PM	30 min Avg	0.01	0.045	0.055
ESE	5:00 PM	30 min Avg	0.007	0.042	0.052
ESE	5:30 PM	30 min Avg	0.001	0.036	0.046

E-BAM locations (Upwind) SW- south of building 3 ( 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 06-10-12**

Date: 6/5/2012 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	30 min Avg	0	0.035	0.045
ESE	6:30 AM	30 min Avg	0.001	30 min Avg	0.015	0.036	0.046
ESE	7:00 AM	30 min Avg	0.017	30 min Avg	0.016	0.052	0.062
ENE	7:30 AM	30 min Avg	0	30 min Avg	0.002	0.035	0.045
NE	8:00 AM	30 min Avg	0.013	30 min Avg	0.015	0.048	0.058
NE	8:30 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
NE	9:00 AM	30 min Avg	0	30 min Avg	0.005	0.035	0.045
ENE	9:30 AM	30 min Avg	0.031	30 min Avg	0.014	0.066	0.076
ENE	10:00 AM	30 min Avg	0.004	30 min Avg	0.008	0.039	0.049
ENE	10:30 AM	30 min Avg	0.016	30 min Avg	0.011	0.051	0.061
ENE	11:00 AM	30 min Avg	0.007	30 min Avg	0.043	0.042	0.052
ESE	11:30 AM	30 min Avg	0.002	30 min Avg	**	0.037	0.047
ENE	12:00 PM	30 min Avg	0.01	30 min Avg	0.015	0.045	0.055
E	12:30 PM	30 min Avg	0.002	30 min Avg	0.017	0.037	0.047
ENE	1:00 PM	30 min Avg	0.009	30 min Avg	0.013	0.044	0.054
ESE	1:30 PM	30 min Avg	0.006	30 min Avg	0	0.041	0.051
ESE	2:00 PM	30 min Avg	0.006	30 min Avg	0.009	0.041	0.051
ESE	2:30 PM	30 min Avg	0.022	30 min Avg	0.019	0.057	0.067
SE	3:00 PM	30 min Avg	0.001	30 min Avg	0	0.036	0.046
SE	3:30 PM	30 min Avg	0.004	30 min Avg	0.009	0.039	0.049
ESE	4:00 PM	30 min Avg	0.006	30 min Avg	0	0.041	0.051
ESE	4:30 PM	30 min Avg	0.003	30 min Avg	0	0.038	0.048
ESE	5:00 PM	30 min Avg	0.01	30 min Avg	0.016	0.045	0.055
ESE	5:30 PM	30 min Avg	0	30 min Avg	0.005	0.035	0.045

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- west of building 14

[8:15 (Upwind)NW- west of building 14 (Downwind) SW- south of building 3]

[ 2:10 (Upwind) SW- south of building 3 (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 11:00 reading reached an action level. More dust suppression was added to roadways and work areas.

\*\* The 11:30 downwind reading was skipped due to a generator malfunction. All crews took an early lunch while the unit was put on battery power.

**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 06-10-12**

Date: 6/6/2012 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	0.035	0.045
S	6:30 AM	30 min Avg	0.008	0.043	0.053
S	7:00 AM	30 min Avg	0.004	0.039	0.049
S	7:30 AM	30 min Avg	0.006	0.041	0.051
SSW	8:00 AM	30 min Avg	0.024	0.059	0.069
SSW	8:30 AM	30 min Avg	0.009	0.044	0.054
WSW	9:00 AM	30 min Avg	0.007	0.042	0.052
NNW	9:30 AM	30 min Avg	0	0.035	0.045
N	10:00 AM	30 min Avg	0.018	0.053	0.063
NNE	10:30 AM	30 min Avg	0.009	0.044	0.054
NNE	11:00 AM	30 min Avg	0.003	0.038	0.048
NNE	11:30 AM	30 min Avg	0.016	0.051	0.061
NE	12:00 PM	30 min Avg	0	0.035	0.045
NE	12:30 PM	30 min Avg	0	0.035	0.045
ENE	1:00 PM	30 min Avg	0.009	0.044	0.054
ESE	1:30 PM	30 min Avg	0	0.035	0.045
E	2:00 PM	30 min Avg	0.01	0.045	0.055
SE	2:30 PM	30 min Avg	0	0.035	0.045
SE	3:00 PM	30 min Avg	0.014	0.049	0.059
ESE	3:30 PM	30 min Avg	0.004	0.039	0.049
ESE	4:00 PM	30 min Avg	0	0.035	0.045
ESE	4:30 PM	30 min Avg	0	0.035	0.045
ESE	5:00 PM	30 min Avg	0.007	0.042	0.052
ESE	5:30 PM	30 min Avg	0.007	0.042	0.052
	6:00PM	30 min Avg		0.035	0.045

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- west of building 14  
 [10:05(Upwind) NW- west of building 14 (Downwind) SW- south of building 3]  
 [ 2:40(Upwind) SW- south of building 3 (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 considered accurate.

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 06-10-12**

Date: 6/7/2012 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	0.035	0.045
S	6:30 AM	30 min Avg	0.001	0.036	0.046
S	7:00 AM	30 min Avg	0.009	0.044	0.054
S	7:30 AM	30 min Avg	0.011	0.046	0.056
S	8:00 AM	30 min Avg	0.025	0.060	0.070
S	8:30 AM	30 min Avg	0.007	0.042	0.052
ESE	9:00 AM	30 min Avg	0.009	0.044	0.054
SE	9:30 AM	30 min Avg	0	0.035	0.045
ESE	10:00 AM	30 min Avg	0	0.035	0.045
ENE	10:30 AM	30 min Avg	0.009	0.044	0.054
ESE	11:00 AM	30 min Avg	0	0.035	0.045
ENE	11:30 AM	30 min Avg	0.001	0.036	0.046
E	12:00 PM	30 min Avg	0.012	0.047	0.057
ENE	12:30 PM	30 min Avg	0.003	0.038	0.048
ESE	1:00 PM	30 min Avg	0.003	0.038	0.048
ENE	1:30 PM	30 min Avg	0.004	0.039	0.049
ESE	2:00 PM	30 min Avg	0.004	0.039	0.049
ESE	2:30 PM	30 min Avg	0.008	0.043	0.053
ESE	3:00 PM	30 min Avg	0.004	0.039	0.049
ESE	3:30 PM	30 min Avg	0.01	0.045	0.055
ESE	4:00 PM	30 min Avg	0.008	0.043	0.053
ESE	4:30 PM	30 min Avg	0.003	0.038	0.048
ESE	5:00 PM	30 min Avg	0.002	0.037	0.047
ESE	5:30 PM	30 min Avg	0.012	0.047	0.057
	6:00 PM	30 min Avg		0.035	0.045

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- west of building 14

**Action Levels**

Action level = upwind concentration + 0.035 mg/m3

Stop Work Level = upwind concentration + 0.045 mg/m3

*Note time/duration of work stoppage:*

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**Notes:**

All readings in mg/m3

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 06-10-12**

Date: 6/8/2012 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
N	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
N	6:30 AM	30 min Avg	0.008	30 min Avg	0.027	0.043	0.053
N	7:00 AM	30 min Avg	0.01	30 min Avg	0.011	0.045	0.055
N	7:30 AM	30 min Avg	0.005	30 min Avg	0.018	0.040	0.050
N	8:00 AM	30 min Avg	0	30 min Avg	0.024	0.035	0.045
N	8:30 AM	30 min Avg	0.015	30 min Avg	0.009	0.050	0.060
N	9:00 AM	30 min Avg	0.026	30 min Avg	0.053	0.061	0.071
N	9:30 AM	30 min Avg	0.01	30 min Avg	0.029	0.045	0.055
N	10:00 AM	30 min Avg	0.006	30 min Avg	0.015	0.041	0.051
NNE	10:30 AM	30 min Avg	0.014	30 min Avg	0.008	0.049	0.059
NE	11:00 AM	30 min Avg	0.006	30 min Avg	0.023	0.041	0.051
NE	11:30 AM	30 min Avg	0.005	30 min Avg	0.031	0.040	0.050
ENE	12:00 PM	30 min Avg	0.009	30 min Avg	0.003	0.044	0.054
ENE	12:30 PM	30 min Avg	0.014	30 min Avg	0.011	0.049	0.059
NE	1:00 PM	30 min Avg	0.008	30 min Avg	0.014	0.043	0.053
NE	1:30 PM	30 min Avg	0	30 min Avg	0.009	0.035	0.045
NE	2:00 PM	30 min Avg	0.007	30 min Avg	0.005	0.042	0.052
ENE	2:30 PM	30 min Avg	0.014	30 min Avg	0.001	0.049	0.059
ENE	3:00 PM	30 min Avg	0	30 min Avg	0.01	0.035	0.045
ENE	3:30 PM	30 min Avg	0.015	30 min Avg	0	0.050	0.060
ENE	4:00 PM	30 min Avg	0.005	30 min Avg	0.012	0.040	0.050
ENE	4:30 PM	30 min Avg	0.014	30 min Avg	0.013	0.049	0.059
ENE	5:00 PM	30 min Avg	0.01	30 min Avg	0.005	0.045	0.055
	5:30 PM	30 min Avg		30 min Avg		0.035	0.045

E-BAM locations (Upwind) N- north of building 25 (Downwind) S- south of building 25

**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 ended at 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.

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 06-10-12**

Date: 6/9/2012 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:*

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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 06-10-12**

Date: 6/10/2012 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
	6:00PM	30 min Avg	30 min Avg	0.035	0.045

E-BAM locations (Upwind) NW- west of building 14 (Downwind) SW- south of building 3 [ 10:33 (Upwind) SW- south of building 3 (Downwind) NW- west of building 14

**Action Levels**

Action level = upwind concentration + 0.035 mg/m3

Stop Work Level = upwind concentration + 0.045 mg/m3

*Note time/duration of work stoppage:*

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**Notes:**

All readings in mg/m3

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are considered accurate.