

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 03-25-12**

Date: 3/19/2012 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	30 min Avg	0	0.035	0.045
SE	6:30 AM	30 min Avg	0.007	30 min Avg	0.019	0.042	0.052
SE	7:00 AM	30 min Avg	0.013	30 min Avg	0.02	0.048	0.058
SE	7:30 AM	30 min Avg	0.008	30 min Avg	0.012	0.043	0.053
SSE	8:00 AM	30 min Avg	0.001	30 min Avg	0.009	0.036	0.046
SSE	8:30 AM	30 min Avg	0.013	30 min Avg	0.011	0.048	0.058
SSE	9:00 AM	30 min Avg	0.004	30 min Avg	0.014	0.039	0.049
SSE	9:30 AM	30 min Avg	0.004	30 min Avg	0.014	0.039	0.049
SSE	10:00 AM	30 min Avg	0.001	30 min Avg	0.017	0.036	0.046
SSE	10:30 AM	30 min Avg	0.044	30 min Avg	0.031	0.079	0.089
SSE	11:00 AM	30 min Avg	0	30 min Avg	0.009	0.035	0.045
SSE	11:30 AM	30 min Avg	0.033	30 min Avg	0.052	0.068	0.078
SSE	12:00 PM	30 min Avg	0	30 min Avg	0	0.035	0.045
SSE	12:30 PM	30 min Avg	0.023	30 min Avg	0.014	0.058	0.068
SSE	1:00 PM	30 min Avg	0.024	30 min Avg	0.031	0.059	0.069
SSE	1:30 PM	30 min Avg	0.016	30 min Avg	0.03	0.051	0.061
SSE	2:00 PM	30 min Avg	0.021	30 min Avg	0.022	0.056	0.066
SSE	2:30 PM	30 min Avg	0.008	30 min Avg	0.029	0.043	0.053
SSE	3:00 PM	30 min Avg	0.02	30 min Avg	0.025	0.055	0.065
SSE	3:30 PM	30 min Avg	0.01	30 min Avg	0.009	0.045	0.055
SSE	4:00 PM	30 min Avg	0.016	30 min Avg	0.01	0.051	0.061
SSE	4:30 PM	30 min Avg	0.008	30 min Avg	0.012	0.043	0.053
SSE	5:00 PM	30 min Avg	0.012	30 min Avg	0.009	0.047	0.057
SSE	5:30 PM	30 min Avg	0.02	30 min Avg	0.023	0.055	0.065

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 03-25-12**

Date: 3/20/2012 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

**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: No work was started due to heavy rains and high northerly winds.*

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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 03-25-12**

Date: 3/21/2012 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	0.035	0.045
ENE	6:30 AM	30 min Avg	0.06	0.095	0.105
ENE	7:00 AM	30 min Avg	0.006	0.041	0.051
NW	7:30 AM	30 min Avg	0.005	0.040	0.050
NW	8:00 AM	30 min Avg	0	0.035	0.045
WNW	8:30 AM	30 min Avg	0.006	0.041	0.051
WNW	9:00 AM	30 min Avg	0.003	0.038	0.048
WNW	9:30 AM	30 min Avg	0	0.035	0.045
WNW	10:00 AM	30 min Avg	0	0.035	0.045
WNW	10:30 AM	30 min Avg	0.007	0.042	0.052
WNW	11:00 AM	30 min Avg	0	0.035	0.045
WNW	11:30 AM	30 min Avg	0	0.035	0.045
WNW	12:00 PM	30 min Avg	0	0.035	0.045
WNW	12:30 PM	30 min Avg	0.012	0.047	0.057
WNW	1:00 PM	30 min Avg	0.004	0.039	0.049
WNW	1:30 PM	30 min Avg	0.009	0.044	0.054
WNW	2:00 PM	30 min Avg	0.008	0.043	0.053
WNW	2:30 PM	30 min Avg	0.006	0.041	0.051
WNW	3:00 PM	30 min Avg	0.004	0.039	0.049
WNW	3:30 PM	30 min Avg	0	0.035	0.045
WNW	4:00 PM	30 min Avg	0.006	0.041	0.051
WNW	4:30 PM	30 min Avg	0.016	0.051	0.061
WNW	5:00 PM	30 min Avg	0.01	0.045	0.055
WNW	5:30 PM	30 min Avg	0.003	0.038	0.048
	6:00PM	30 min Avg		0.035	0.045

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

**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 5:30.*

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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 03-25-12**

Date: 3/22/2012 Technician: Carl Jones

Prevailing Wind Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
SW	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
SW	6:30 AM	30 min Avg	0.018	30 min Avg	0.005	0.053	0.063
SW	7:00 AM	30 min Avg	0.005	30 min Avg	0.009	0.040	0.050
SW	7:30 AM	30 min Avg	0.008	30 min Avg	0.005	0.043	0.053
SW	8:00 AM	30 min Avg	0.007	30 min Avg	0.005	0.042	0.052
SW	8:30 AM	30 min Avg	0	30 min Avg	0.004	0.035	0.045
SSW	9:00 AM	30 min Avg	0.037	30 min Avg	0.003	0.072	0.082
SSW	9:30 AM	30 min Avg	0.007	30 min Avg	0.005	0.042	0.052
SSW	10:00 AM	30 min Avg	0.009	30 min Avg	0.009	0.044	0.054
SSW	10:30 AM	30 min Avg	0	30 min Avg	0.049	0.035	0.045
SSW	11:00 AM	30 min Avg	0	30 min Avg	0.002	0.035	0.045
SSW	11:30 AM	30 min Avg	0.003	30 min Avg	0.014	0.038	0.048
SSW	12:00 PM	30 min Avg	0	30 min Avg	0.012	0.035	0.045
S	12:30 PM	30 min Avg	0.011	30 min Avg	0.009	0.046	0.056
S	1:00 PM	30 min Avg	0.005	30 min Avg	0.016	0.040	0.050
S	1:30 PM	30 min Avg	0.01	30 min Avg	0.001	0.045	0.055
SSE	2:00 PM	30 min Avg	0.007	30 min Avg	0.008	0.042	0.052
SSE	2:30 PM	30 min Avg	0.01	30 min Avg	0.013	0.045	0.055
SSE	3:00 PM	30 min Avg	0.009	30 min Avg	0	0.044	0.054
SSE	3:30 PM	30 min Avg	0.004	30 min Avg	0.015	0.039	0.049
SSE	4:00 PM	30 min Avg	0.004	30 min Avg	0.011	0.039	0.049
SE	4:30 PM	30 min Avg	0.002	30 min Avg	0	0.037	0.047
SE	5:00 PM	30 min Avg	0.006	30 min Avg	0.012	0.041	0.051
SE	5:30 PM	30 min Avg	0.003	30 min Avg	0	0.038	0.048
	6:00 PM	30 min Avg		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/m<sup>3</sup>

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

Note time/duration of work stoppage: The 10:30 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.

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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 03-25-12**

Date: 3/23/2012 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
SSW	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
SSW	6:30 AM	30 min Avg	0.019	30 min Avg	0.006	0.054	0.064
WSW	7:00 AM	30 min Avg	0.004	30 min Avg	0.012	0.039	0.049
WSW	7:30 AM	30 min Avg	0.005	30 min Avg	0.009	0.040	0.050
W	8:00 AM	30 min Avg	0.012	30 min Avg	0	0.047	0.057
NNW	8:30 AM	30 min Avg	0	30 min Avg	0.002	0.035	0.045
N	9:00 AM	30 min Avg	0	30 min Avg	0.01	0.035	0.045
N	9:30 AM	30 min Avg	0.001	30 min Avg	0.002	0.036	0.046
N	10:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
N	10:30 AM	30 min Avg	0.001	30 min Avg	0.01	0.036	0.046
NNE	11:00 AM	30 min Avg	0.06	30 min Avg	0.06	0.095	0.105
NNE	11:30 AM	30 min Avg	0.006	30 min Avg	0.009	0.041	0.051
NNE	12:00 PM	30 min Avg	0	30 min Avg	0.01	0.035	0.045
NNE	12:30 PM	30 min Avg	0	30 min Avg	0.022	0.035	0.045
NE	1:00 PM	30 min Avg	0.004	30 min Avg	0.008	0.039	0.049
ENE	1:30 PM	30 min Avg	0.004	30 min Avg	0.009	0.039	0.049
E	2:00 PM	30 min Avg	0.01	30 min Avg	0	0.045	0.055
E	2:30 PM	30 min Avg	0.004	30 min Avg	0.007	0.039	0.049
E	3:00 PM	30 min Avg	0.001	30 min Avg	0.006	0.036	0.046
E	3:30 PM	30 min Avg	** 0	30 min Avg	0.009	0.035	0.045
E	4:00 PM	30 min Avg	0.021	30 min Avg	0.005	0.056	0.066
E	4:30 PM	30 min Avg	0.016	30 min Avg	0.008	0.051	0.061
E	5:00 PM	30 min Avg	0.008	30 min Avg	0.007	0.043	0.053
	5:30 PM	30 min Avg		30 min Avg		0.035	0.045

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- west of building 14  
[ 9:40 (Upwind) NW- west of building 14 (Upwind) SW- south of building 3]

**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 3:30 upwind reading did not register due to excess moisture from dust suppression tripping the GFI plug. The reading was treated as zero.*

All work ended at 4:35.

**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 03-25-12**

Date: 3/24/2012 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	0.006	30 min Avg	0.026	0.041	0.051
S	7:00 AM	30 min Avg	0.012	30 min Avg	0.022	0.047	0.057
S	7:30 AM	30 min Avg	0.008	30 min Avg	0.015	0.043	0.053
SSE	8:00 AM	30 min Avg	0.01	30 min Avg	0.013	0.045	0.055
SSE	8:30 AM	30 min Avg	0.036	30 min Avg	0.026	0.071	0.081
SSE	9:00 AM	30 min Avg	0	30 min Avg	0.068	0.035	0.045
SSE	9:30 AM	30 min Avg	0.025	30 min Avg	0.039	0.060	0.070
SE	10:00 AM	30 min Avg	0.025	30 min Avg	0	0.060	0.070
SE	10:30 AM	30 min Avg	0.006	30 min Avg	0.036	0.041	0.051
ESE	11:00 AM	30 min Avg	0.015	30 min Avg	0.017	0.050	0.060
NE	11:30 AM	30 min Avg	0.032	30 min Avg	0.01	0.067	0.077
NE	12:00 PM	30 min Avg	0.025	30 min Avg	0.002	0.060	0.070
NE	12:30 PM	30 min Avg	0.016	30 min Avg	0.039	0.051	0.061
ENE	1:00 PM	30 min Avg	0.019	30 min Avg	0.013	0.054	0.064
E	1:30 PM	30 min Avg	0.007	30 min Avg	0.014	0.042	0.052
E	2:00 PM	30 min Avg	0.006	30 min Avg	0.01	0.041	0.051
	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) SW- south of building 3 (Downwind) NW- west of building 14  
[11:35(Upwind) NW- west of building 14 (Downwind) SW- south of building 3]

**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.*

All work ended at 1:30 for the weekend.

**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 03-25-12**

Date: 3/25/2012 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)

**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: No work*

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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.