

**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 01-15-12**

Date: 1/10/2012 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
WNW	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
WNW	6:30 AM	30 min Avg	0.013	30 min Avg	0.023	0.048	0.058
WNW	7:00 AM	30 min Avg	0.031	30 min Avg	0.008	0.066	0.076
WNW	7:30 AM	30 min Avg	0	30 min Avg	0.004	0.035	0.045
WNW	8:00 AM	30 min Avg	0.037	30 min Avg	0.017	0.072	0.082
WNW	8:30 AM	30 min Avg	0.02	30 min Avg	0.007	0.055	0.065
WNW	9:00 AM	30 min Avg	0.02	30 min Avg	0	0.055	0.065
	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/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage: All work did not start due to high northerly winds.

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 01-15-12**

Date: 1/11/2012 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	0.032	30 min Avg	0.013	0.067	0.077
SW	6:30 AM	30 min Avg	0.005	30 min Avg	0.008	0.040	0.050
SW	7:00 AM	30 min Avg	0.005	30 min Avg	0	0.040	0.050
SW	7:30 AM	30 min Avg	0.015	30 min Avg	0.009	0.050	0.060
SW	8:00 AM	30 min Avg	0	30 min Avg	0.013	0.035	0.045
SW	8:30 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
SW	9:00 AM	30 min Avg	0.005	30 min Avg	0.016	0.040	0.050
SW	9:30 AM	30 min Avg	0.003	30 min Avg	0.008	0.038	0.048
SSW	10:00 AM	30 min Avg	0	30 min Avg	0.004	0.035	0.045
SSW	10:30 AM	30 min Avg	0	30 min Avg	0.021	0.035	0.045
SSW	11:00 AM	30 min Avg	0.008	30 min Avg	0.009	0.043	0.053
SSW	11:30 AM	30 min Avg	0	30 min Avg	0.018	0.035	0.045
SW	12:00 PM	30 min Avg	0.006	30 min Avg	0.01	0.041	0.051
SW	12:30 PM	30 min Avg	0.003	30 min Avg	0.016	0.038	0.048
SW	1:00 PM	30 min Avg	0.003	30 min Avg	0	0.038	0.048
SW	1:30 PM	30 min Avg	0.002	30 min Avg	0.005	0.037	0.047
SSW	2:00 PM	30 min Avg	0	30 min Avg	0.016	0.035	0.045
SSW	2:30 PM	30 min Avg	0.014	30 min Avg	0.002	0.049	0.059
SSW	3:00 PM	30 min Avg	0.005	30 min Avg	0.004	0.040	0.050
SSW	3:30 PM	30 min Avg	0	30 min Avg	0.012	0.035	0.045
SSW	4:00 PM	30 min Avg	0.002	30 min Avg	0.001	0.037	0.047
SSE	4:30 PM	30 min Avg	0.003	30 min Avg	0.009	0.038	0.048
SSE	5:00 PM	30 min Avg	0.007	30 min Avg	0.005	0.042	0.052
SSE	5:30 PM	30 min Avg	0.013	30 min Avg	0.008	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/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage:

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 01-15-12**

Date: 1/12/2012 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 0.011	30 min Avg 0.029	0.046	0.056
N	6:30 AM	30 min Avg 0.007	30 min Avg 0.017	0.042	0.052
N	7:00 AM	30 min Avg 0.005	30 min Avg 0.002	0.040	0.050
N	7:30 AM	30 min Avg 0.013	30 min Avg 0	0.048	0.058
N	8:00 AM	30 min Avg 0.005	30 min Avg 0.01	0.040	0.050
N	8:30 AM	30 min Avg 0.013	30 min Avg 0.017	0.048	0.058
N	9:00 AM	30 min Avg 0	30 min Avg 0.011	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/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage: The only activities that started today were dust suppression around the stack and the footprint of building 26. Debris inside the stack was in the process of being removed but had to be shut down due to northerly winds reaching 15 mph.

Notes:

All readings in mg/m³

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**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 01-15-12**

Date: 1/13/2012 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	0.005	30 min Avg	0.021	0.040	0.050
N	6:30 AM	30 min Avg	0.001	30 min Avg	0.014	0.036	0.046
NNE	7:00 AM	30 min Avg	0.002	30 min Avg	0.012	0.037	0.047
N	7:30 AM	30 min Avg	0.011	30 min Avg	0.002	0.046	0.056
NNE	8:00 AM	30 min Avg	0	30 min Avg	0.016	0.035	0.045
NNE	8:30 AM	30 min Avg	0	30 min Avg	0.003	0.035	0.045
NE	9:00 AM	30 min Avg	0	30 min Avg	0.018	0.035	0.045
NE	9:30 AM	30 min Avg	0.004	30 min Avg	0.018	0.039	0.049
NE	10:00 AM	30 min Avg	0.006	30 min Avg	0.011	0.041	0.051
NE	10:30 AM	30 min Avg	0	30 min Avg	0.017	0.035	0.045
NNE	11:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
NNE	11:30 AM	30 min Avg	0	30 min Avg	0.013	0.035	0.045
ENE	12:00 PM	30 min Avg	0.001	30 min Avg	0.026	0.036	0.046
E	12:30 PM	30 min Avg	0	30 min Avg	0.004	0.035	0.045
NE	1:00 PM	30 min Avg	0	30 min Avg	0.004	0.035	0.045
ENE	1:30 PM	30 min Avg	0.007	30 min Avg	0	0.042	0.052
NE	2:00 PM	30 min Avg	0	30 min Avg	0.002	0.035	0.045
NE	2:30 PM	30 min Avg	0.005	30 min Avg	0.005	0.040	0.050
ENE	3:00 PM	30 min Avg	0	30 min Avg	0.01	0.035	0.045
ENE	3:30 PM	30 min Avg	0.005	30 min Avg	0	0.040	0.050
ENE	4:00 PM	30 min Avg	0.008	30 min Avg	0.016	0.043	0.053
E	4:30 PM	30 min Avg	0	30 min Avg	0	0.035	0.045
E	5:00 PM	30 min Avg	0.013	30 min Avg	0.002	0.048	0.058
E	5:30 PM	30 min Avg	0.006	30 min Avg	0.002	0.041	0.051

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

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:

Notes:

All readings in mg/m³

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**Former ASARCO-Encycle Demolition
Particulate Monitoring Summary
Week Ending 01-15-12**

Date: 1/14/2012 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
NNW	6:00 AM	30 min Avg	0.027	30 min Avg	0.022	0.062	0.072
NNW	6:30 AM	30 min Avg	0.018	30 min Avg	0.006	0.053	0.063
NNW	7:00 AM	30 min Avg	0	30 min Avg	0.02	0.035	0.045
NNW	7:30 AM	30 min Avg	0.011	30 min Avg	0	0.046	0.056
NNW	8:00 AM	30 min Avg	0.002	30 min Avg	0.035	0.037	0.047
NNW	8:30 AM	30 min Avg	0.051	30 min Avg	0.029	0.086	0.096
N	9:00 AM	30 min Avg	0	30 min Avg	0.009	0.035	0.045
N	9:30 AM	30 min Avg	0	30 min Avg	0.028	0.035	0.045
N	10:00 AM	30 min Avg	0.011	30 min Avg	0.031	0.046	0.056
N	10:30 AM	30 min Avg	0	30 min Avg	0.021	0.035	0.045
N	11:00 AM	30 min Avg	0	30 min Avg	0.01	0.035	0.045
N	11:30 AM	30 min Avg	0.011	30 min Avg	0.014	0.046	0.056
N	12:00 PM	30 min Avg	0	30 min Avg	0.009	0.035	0.045
NE	12:30 PM	30 min Avg	0	30 min Avg	0.014	0.035	0.045
N	1:00 PM	30 min Avg	0.004	30 min Avg	0.006	0.039	0.049
N	1:30 PM	30 min Avg	0.002	30 min Avg	0	0.037	0.047
NE	2:00 PM	30 min Avg	0.009	30 min Avg	0.013	0.044	0.054
NE	2:30 PM	30 min Avg	0.003	30 min Avg	0.018	0.038	0.048
ENE	3:00 PM	30 min Avg	0	30 min Avg	0.003	0.035	0.045
E	3:30 PM	30 min Avg	0.008	30 min Avg	0.001	0.043	0.053
ENE	4:00 PM	30 min Avg	0.006	30 min Avg	0.016	0.041	0.051
E	4:30 PM	30 min Avg	0	30 min Avg	0	0.035	0.045
E	5:00 PM	30 min Avg	0.01	30 min Avg	0.004	0.045	0.055
ESE	5:30 PM	30 min Avg	0	30 min Avg	0.002	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/m³

Stop Work Level = upwind concentration + 0.045 mg/m³

Note time/duration of work stoppage:

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.

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Particulate Monitoring Summary
Week Ending 01-15-12**

Date: 1/15/2012 Technician: Carl Jones

Prevailing Wind

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
NE	6:00 AM	30 min Avg	0	0.035	0.045
NE	6:30 AM	30 min Avg	0.016	0.051	0.061
NE	7:00 AM	30 min Avg	0.026	0.061	0.071
NE	7:30 AM	30 min Avg	0	0.035	0.045
NNE	8:00 AM	30 min Avg	0.016	0.051	0.061
NNE	8:30 AM	30 min Avg	0.014	0.049	0.059
ENE	9:00 AM	30 min Avg	0.009	0.044	0.054
E	9:30 AM	30 min Avg	0	0.035	0.045
E	10:00 AM	30 min Avg	0.012	0.047	0.057
ESE	10:30 AM	30 min Avg	0.005	0.040	0.050
SE	11:00 AM	30 min Avg	0.007	0.042	0.052
SE	11:30 AM	30 min Avg	0.001	0.036	0.046
SE	12:00 PM	30 min Avg	0	0.035	0.045
SE	12:30 PM	30 min Avg	0	0.035	0.045
SE	1:00 PM	30 min Avg	0.006	0.041	0.051
SE	1:30 PM	30 min Avg	0	0.035	0.045
SE	2:00 PM	30 min Avg	0.002	0.037	0.047
SE	2:30 PM	30 min Avg	0.003	0.038	0.048
SSE	3:00 PM	30 min Avg	0	0.035	0.045
SSE	3:30 PM	30 min Avg	0.008	0.043	0.053
SE	4:00 PM	30 min Avg	0.008	0.043	0.053
SE	4:30 PM	30 min Avg	0.003	0.038	0.048
SE	5:00 PM	30 min Avg	0.002	0.037	0.047
SSE	5:30 PM	30 min Avg	0.011	0.046	0.056
SSE	6:00PM	30 min Avg	0.002	0.037	0.047

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: All work stopped at 5:40 for the day.

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.