

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 7-1-11**

Date: 6/27/2011 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            | -0.005                  | 0.040        | 0.050     |
| SE        | 6:30 AM  | 30 min Avg            | 0.002                   | 0.037        | 0.047     |
| SE        | 7:00 AM  | 30 min Avg            | 0.066                   | 0.101        | 0.111     |
| SE        | 7:30 AM  | 30 min Avg            | 0.031                   | 0.066        | 0.076     |
| SE        | 8:00 AM  | 30 min Avg            | 0.008                   | 0.043        | 0.053     |
| SE        | 8:30 AM  | 30 min Avg            | -0.005                  | 0.040        | 0.050     |
| SE        | 9:00 AM  | 30 min Avg            | -0.004                  | 0.039        | 0.049     |
| SE        | 9:30 AM  | 30 min Avg            | 0.009                   | 0.044        | 0.054     |
| SE        | 10:00 AM | 30 min Avg            | -0.005                  | 0.040        | 0.050     |
| SE        | 10:30 AM | 30 min Avg            | 0.001                   | 0.036        | 0.046     |
| SE        | 11:00 AM | 30 min Avg            | 0.001                   | 0.036        | 0.046     |
| SE        | 11:30 AM | 30 min Avg            | 0.004                   | 0.039        | 0.049     |
| SE        | 12:00 PM | 30 min Avg            | 0.006                   | 0.041        | 0.051     |
| SE        | 12:30 PM | 30 min Avg            | -0.003                  | 0.038        | 0.048     |
| ESE       | 1:00 PM  | 30 min Avg            | 0.009                   | 0.044        | 0.054     |
| ESE       | 1:30 PM  | 30 min Avg            | 0.004                   | 0.039        | 0.049     |
| ESE       | 2:00 PM  | 30 min Avg            | 0.017                   | 0.052        | 0.062     |
| ESE       | 2:30 PM  | 30 min Avg            | 0.005                   | 0.040        | 0.050     |
| ESE       | 3:00 PM  | 30 min Avg            | 0.017                   | 0.052        | 0.062     |
| ESE       | 3:30 PM  | 30 min Avg            | 0.008                   | 0.043        | 0.053     |
| ESE       | 4:00 PM  | 30 min Avg            | 0.012                   | 0.047        | 0.057     |
| ESE       | 4:30 PM  | 30 min Avg            | 0.010                   | 0.045        | 0.055     |
| ESE       | 5:00 PM  | 30 min Avg            | 0.005                   | 0.040        | 0.050     |
| ESE       | 5:30 PM  | 30 min Avg            | 0.015                   | 0.050        | 0.060     |
|           |          |                       |                         |              |           |
|           |          |                       |                         |              |           |

**Notes:**

All readings in mg/m3

Action level = upwind concentration + 0.035 mg/m3

Stop Work Level = upwind concentration + 0.045 mg/m3

*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 accurate.

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 7-1-11**

Date: 6/28/2011 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            | -0.005                  | 0.040        | 0.050     |
| ESE       | 6:30 AM  | 30 min Avg            | 0.010                   | 0.045        | 0.055     |
| ESE       | 7:00 AM  | 30 min Avg            | 0.071                   | 0.106        | 0.116     |
| ESE       | 7:30 AM  | 30 min Avg            | 0.044                   | 0.079        | 0.089     |
| ESE       | 8:00 AM  | 30 min Avg            | 0.006                   | 0.041        | 0.051     |
| ESE       | 8:30 AM  | 30 min Avg            | -0.004                  | 0.039        | 0.049     |
| ESE       | 9:00 AM  | 30 min Avg            | 0.000                   | 0.035        | 0.045     |
| ESE       | 9:30 AM  | 30 min Avg            | 0.007                   | 0.042        | 0.052     |
| ESE       | 10:00 AM | 30 min Avg            | 0.009                   | 0.044        | 0.054     |
| E         | 10:30 AM | 30 min Avg            | 0.009                   | 0.044        | 0.054     |
| E         | 11:00 AM | 30 min Avg            | 0.002                   | 0.037        | 0.047     |
| E         | 11:30 AM | 30 min Avg            | 0.002                   | 0.037        | 0.047     |
| E         | 12:00 PM | 30 min Avg            | 0.014                   | 0.049        | 0.059     |
| E         | 12:30 PM | 30 min Avg            | 0.007                   | 0.042        | 0.052     |
| E         | 1:00 PM  | 30 min Avg            | 0.004                   | 0.039        | 0.049     |
| E         | 1:30 PM  | 30 min Avg            | 0.000                   | 0.035        | 0.045     |
| ESE       | 2:00 PM  | 30 min Avg            | 0.008                   | 0.043        | 0.053     |
| ESE       | 2:30 PM  | 30 min Avg            | 0.007                   | 0.042        | 0.052     |
| ESE       | 3:00 PM  | 30 min Avg            | 0.003                   | 0.038        | 0.048     |
| ESE       | 3:30 PM  | 30 min Avg            | 0.015                   | 0.050        | 0.060     |
| ESE       | 4:00 PM  | 30 min Avg            | 0.008                   | 0.043        | 0.053     |
| ESE       | 4:30 PM  | 30 min Avg            | -0.001                  | 0.036        | 0.046     |
| ESE       | 5:00 PM  | 30 min Avg            | 0.017                   | 0.052        | 0.062     |
| ESE       | 5:30 PM  | 30 min Avg            | 0.008                   | 0.043        | 0.053     |
|           |          |                       |                         |              |           |
|           |          |                       |                         |              |           |
|           |          |                       |                         |              |           |

**Notes:**

All readings in mg/m3

Action level = upwind concentration + 0.035 mg/m3

Stop Work Level = upwind concentration + 0.045 mg/m3

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 accurate.



**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 7-1-11**

Date: 6/30/2011 Technician: Carl Jones

**Prevailing Wind**

| Direction | Time     | Unit 2-Upwind Reading | Unit 1-Downwind Reading | Action Level | Stop Work |       |       |
|-----------|----------|-----------------------|-------------------------|--------------|-----------|-------|-------|
| E         | 6:00 AM  | 30 min Avg            | -0.005                  | 30 min Avg   | -0.005    | 0.040 | 0.040 |
| ENE       | 6:30 AM  | 30 min Avg            | 0.070                   | 30 min Avg   | 0.097     | 0.105 | 0.115 |
| ENE       | 7:00 AM  | 30 min Avg            | 0.026                   | 30 min Avg   | 0.009     | 0.061 | 0.071 |
| ENE       | 7:30 AM  | 30 min Avg            | 0.029                   | 30 min Avg   | 0.024     | 0.064 | 0.074 |
| ENE       | 8:00 AM  | 30 min Avg            | 0.003                   | 30 min Avg   | 0.011     | 0.038 | 0.048 |
| ENE       | 8:30 AM  | 30 min Avg            | 0.007                   | 30 min Avg   | 0.012     | 0.042 | 0.052 |
| ENE       | 9:00 AM  | 30 min Avg            | 0.002                   | 30 min Avg   | 0.010     | 0.037 | 0.047 |
| ENE       | 9:30 AM  | 30 min Avg            | 0.010                   | 30 min Avg   | 0.008     | 0.045 | 0.055 |
| ENE       | 10:00 AM | 30 min Avg            | 0.010                   | 30 min Avg   | 0.019     | 0.045 | 0.055 |
| ENE       | 10:30 AM | 30 min Avg            | 0.009                   | 30 min Avg   | 0.010     | 0.044 | 0.054 |
| ENE       | 11:00 AM | 30 min Avg            | 0.005                   | 30 min Avg   | 0.000     | 0.040 | 0.050 |
| ENE       | 11:30 AM | 30 min Avg            | 0.019                   | 30 min Avg   | 0.020     | 0.054 | 0.064 |
| ENE       | 12:00 PM | 30 min Avg            | 0.002                   | 30 min Avg   | -0.001    | 0.037 | 0.047 |
| ENE       | 12:30 PM | 30 min Avg            | 0.007                   | 30 min Avg   | 0.008     | 0.042 | 0.052 |
| SE        | 1:00 PM  | 30 min Avg            | 0.019                   | 30 min Avg   | 0.016     | 0.054 | 0.064 |
| SSE       | 1:30 PM  | 30 min Avg            | 0.024                   | 30 min Avg   | 0.038     | 0.059 | 0.069 |
| SSE       | 2:00 PM  | 30 min Avg            | 0.022                   | 30 min Avg   | 0.018     | 0.057 | 0.067 |
| SSE       | 2:30 PM  | 30 min Avg            | -0.003                  | 30 min Avg   | -0.001    | 0.038 | 0.048 |
| E         | 3:00 PM  | 30 min Avg            | 0.000                   | 30 min Avg   | -0.005    | 0.035 | 0.045 |
| ENE       | 3:30 PM  | 30 min Avg            | 0.022                   | 30 min Avg   | 0.015     | 0.057 | 0.067 |
| ENE       | 4:00 PM  | 30 min Avg            | 0.015                   | 30 min Avg   | 0.031     | 0.050 | 0.060 |
| ENE       | 4:30 PM  | 30 min Avg            | 0.021                   | 30 min Avg   | 0.014     | 0.056 | 0.066 |
| ENE       | 5:00 PM  | 30 min Avg            | 0.024                   | 30 min Avg   | 0.015     | 0.059 | 0.069 |
| ENE       | 5:30 PM  | 30 min Avg            | 0.003                   | 30 min Avg   | 0.018     | 0.038 | 0.048 |
|           |          |                       |                         |              |           |       |       |
|           |          |                       |                         |              |           |       |       |

**Notes:**

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

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: 9:40 a.m., all demo, abatement and hazardous waste removal was stopped due to Northerly winds at sustained speeds over 15 mph. 1:00 p.m.-- wind direction changed coming from the S/SE. Demo resumed on building 16.*

**3:30 p.m.**--all demo, abatement and hazardous waste removal was stopped due to Northerly winds at sustained speeds over 15 mph.

Note: 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 7-1-11**

Date: 7/1/2011 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            | -0.005                  | 30 min Avg   | -0.005    | 0.040 | 0.050 |
| ESE       | 6:30 AM  | 30 min Avg            | 0.010                   | 30 min Avg   | 0.041     | 0.045 | 0.055 |
| ESE       | 7:00 AM  | 30 min Avg            | 0.095                   | 30 min Avg   | 0.087     | 0.130 | 0.140 |
| ESE       | 7:30 AM  | 30 min Avg            | 0.048                   | 30 min Avg   | 0.037     | 0.083 | 0.093 |
| ESE       | 8:00 AM  | 30 min Avg            | 0.034                   | 30 min Avg   | 0.026     | 0.069 | 0.079 |
| ESE       | 8:30 AM  | 30 min Avg            | 0.015                   | 30 min Avg   | 0.021     | 0.050 | 0.060 |
| ESE       | 9:00 AM  | 30 min Avg            | 0.025                   | 30 min Avg   | 0.026     | 0.060 | 0.070 |
| ESE       | 9:30 AM  | 30 min Avg            | 0.018                   | 30 min Avg   | 0.013     | 0.053 | 0.063 |
| E         | 10:00 AM | 30 min Avg            | 0.015                   | 30 min Avg   | 0.009     | 0.050 | 0.060 |
| ESE       | 10:30 AM | 30 min Avg            | 0.011                   | 30 min Avg   | 0.008     | 0.046 | 0.056 |
| E         | 11:00 AM | 30 min Avg            | 0.002                   | 30 min Avg   | 0.001     | 0.037 | 0.047 |
| E         | 11:30 AM | 30 min Avg            | 0.024                   | 30 min Avg   | 0.019     | 0.059 | 0.069 |
| E         | 12:00 PM | 30 min Avg            | 0.023                   | 30 min Avg   | 0.016     | 0.058 | 0.068 |
| E         | 12:30 PM | 30 min Avg            | 0.033                   | 30 min Avg   | 0.024     | 0.068 | 0.078 |
| E         | 1:00 PM  | 30 min Avg            | 0.022                   | 30 min Avg   | 0.027     | 0.057 | 0.067 |
| E         | 1:30 PM  | 30 min Avg            | 0.019                   | 30 min Avg   | 0.010     | 0.054 | 0.064 |
| E         | 2:00 PM  | 30 min Avg            | 0.022                   | 30 min Avg   | 0.026     | 0.057 | 0.067 |
| E         | 2:30 PM  | 30 min Avg            | 0.025                   | 30 min Avg   | 0.016     | 0.060 | 0.070 |
| E         | 3:00 PM  | 30 min Avg            | 0.016                   | 30 min Avg   | 0.009     | 0.051 | 0.061 |
|           |          |                       |                         |              |           |       |       |
|           |          |                       |                         |              |           |       |       |
|           |          |                       |                         |              |           |       |       |
|           |          |                       |                         |              |           |       |       |
|           |          |                       |                         |              |           |       |       |
|           |          |                       |                         |              |           |       |       |

Notes:

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

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: 2:45 p.m. All work stopped and site shut down at 3:00 p.m. for holiday weekend.

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