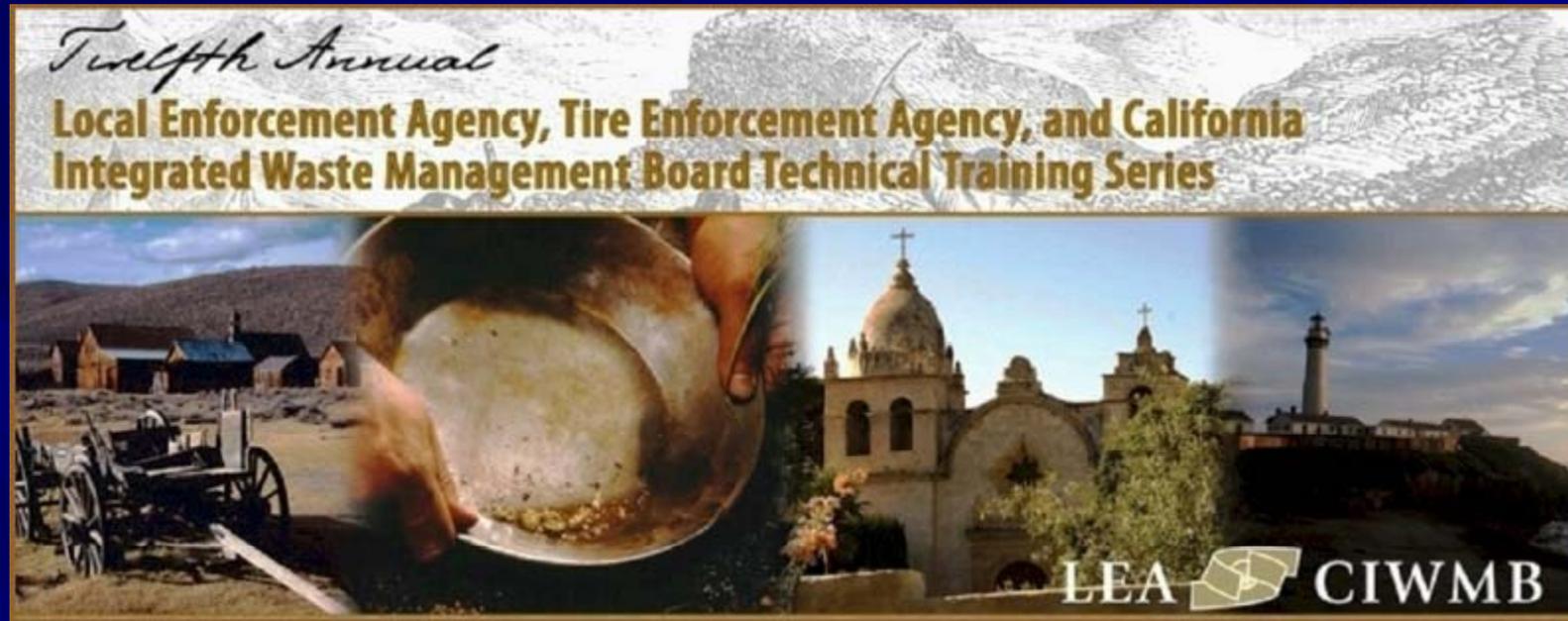


These materials were developed under the auspices of CalRecycle for specific technical training presentations and are posted as reference documents for the local government and CalRecycle staff who attended this technical training series. They are not intended to stand alone as informational or training materials.

If you require assistance in obtaining access to the presentations, call the Public Affairs Office at (916) 341-6300 or Dennis Corcoran at (916) 341-6395.

**Coordination with Other Agencies:
From Agriculture to Water and Everything In- Between**



Solano County
Local Enforcement Agency
Resource Management Department

Ricardo M. Serrano, MS, REHS
Environmental Health Supervisor

ADC DEMONSTRATION PROJECT



COORDINATION COORDINATION

ADC DEMO PROJECT

COORDINATION WITH OTHERS

CIWMB:

Planning stages
Project Criteria
Review & Concurrence
Equipment: 4'x4' grid
Asbestos
Fly Grill

YSAQMD:

Opacity Test
Plumes of Dust
Odors

CVRWQCB:

Groundwater
Leachate

HAZ MAT:

Hydrogen Sulfide (H₂S)

NORCAL PLANNERS & LANDFILL OPERATOR

Original Proposal based on the need to use C&D fines as ADC
Equipment, trenching

Technical Services Section

COORDINATION WITH I-MRF SAN FRANCISCO



Technical Services Section

COORDINATION WITH I-MRF SAN FRANCISCO



Technical Services Section

LEA COORDINATION WITH OPERATORS



Technical Services Section

COORDINATION AMONG LEA MEMBERS



Technical Services Section

COORDINATION WITH YSAQMD & HAZ MAT

03/18/2009 08:14 5307573672 YSAQMD PAGE: 02/02

**YOLO-SOLANO AQMD
VISIBLE EMISSIONS REPORT**

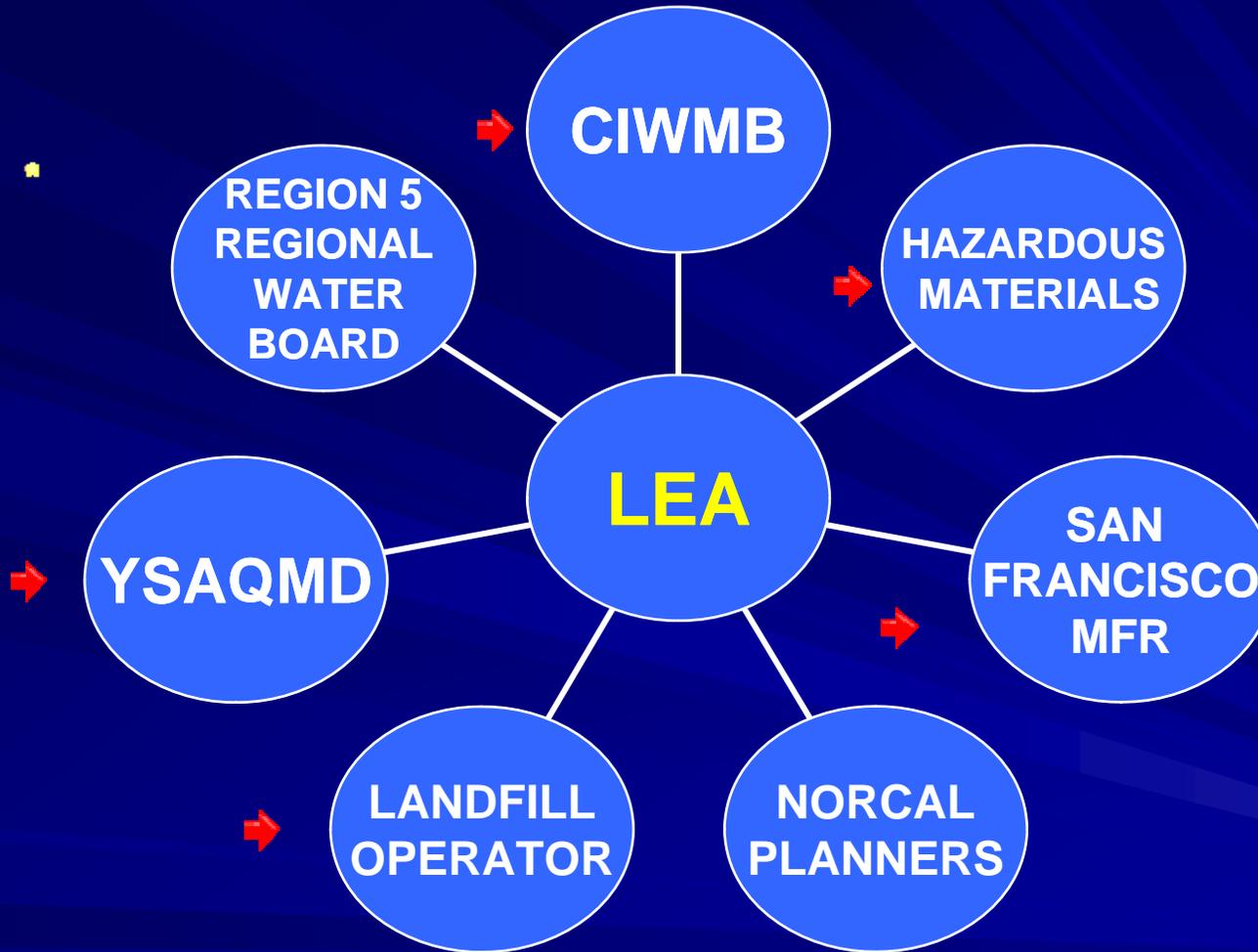
| | |
|---|---|
| Company: Waste Systems | Observation Date: March 10, 2009 |
| Address: 924 Hill Road | Start Time: 04:15 pm End Time: 04:30 pm |
| City: Yareville, CA 95884 | Comments: |
| Phone: (707) 678-4718 | 1. 0% 5% 2% 10% 10% The observed process was a bulldozer pushing stockpiles of waste material (C&D) from front to back. |
| Process Equipment: Caterpillar 630G | 2. 5% 10% N.R. 35% 10% daily cycle (ADC). The observed emissions were generated from the turning of the C&D piles. |
| Control Equipment: NA | 3. N.R. 5% 5% 5% and compact on of the C&D piles. The observer was located east of the stockpile in order to have a clear view of the process while the observation was performed. The C&D piles were located directly in front of the bulldozer. The material was piled towards the observer in a south west direction. The pile height was estimated at maximum ADC (not over-compacted refuse). When the observer's view was obstructed by either the bulldozer or C&D piles, no evaluation was performed. |
| Distance from Observer: Sta. A: 60-200 ft. Sta. B: 60-200 ft. | 4. 0% 5% 10% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Direction of Wind: NA Direction from Observer: Start: East End: East | 5. 5% 0% 5% 10% A 2000 observation in distance (see notes) during the course of the observation, the 40% opacity limit of emissions was not exceeded. |
| Distance from Observer: Sta. A: 60-200 ft. Sta. B: 60-200 ft. | 6. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Job description: Start: C&D Blast End: C&D Blast | 7. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Emissions Color: Start: Gray White End: Gray White | 8. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Transfer method: NA Amended See 10 | 9. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Height of plume where visibility was determined: Start: 1 meter above source End: 1 meter above source | 10. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Job description: Blue sky to skyward | 11. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Weather conditions: Start: Blue sky End: Blue sky | 12. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Wind speed: Start: 4-7 mph End: 4-7 mph | 13. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Ambient Temperature: Start: 65°F End: 65°F | 14. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Relative Humidity: Start: 0% End: 0% | 15. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Sky Conditions: Clear blue sky to clear | 16. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| SO2: 0 | 17. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| CO: 0 | 18. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| PM10: 0 | 19. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| PM2.5: 0 | 20. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| NOx: 0 | 21. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 22. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 23. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 24. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 25. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 26. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 27. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 28. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 29. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 30. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 31. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 32. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 33. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 34. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 35. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 36. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 37. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 38. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 39. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 40. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 41. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 42. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 43. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 44. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 45. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 46. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 47. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 48. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 49. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 50. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 51. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 52. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 53. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 54. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 55. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 56. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 57. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 58. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 59. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 60. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 61. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 62. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 63. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 64. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 65. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 66. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 67. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 68. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 69. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 70. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 71. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 72. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 73. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 74. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 75. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 76. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 77. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 78. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 79. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 80. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 81. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 82. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 83. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 84. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 85. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 86. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 87. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 88. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 89. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 90. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 91. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 92. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 93. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 94. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 95. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 96. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 97. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 98. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 99. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |
| Other: 0 | 100. 0% 0% 0% 0% No 2 (40% opacity) was not exceeded. The counter ranged over 100-400 with an average of 7.600. |

FORM 1073 AM 7:09:10 11/11/2004 516



Haz Mat used a Multi Rae Plus instrument to test for Hydrogen Sulfide at 6" above Ground. Operator used a Gas Tech GT-302

ADC DEMONSTRATION PROJECT



Ricardo M. Serrano, MS, REHS
Environmental Health Supervisor