



Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221
JUL 1 12 003



Mr. Steve Zappe, WIPP Project Leader
Hazardous Waste Permits Program
Hazardous Waste Bureau
New Mexico Environment Department
2905 E. Rodeo Park Dr. Bldg. 1
Santa Fe, New Mexico 87505-6303

Subject: Waste Isolation Pilot Plant's Groundwater Level Data for June 2003

Dear Mr. Zappe:

The purpose of this letter is to submit the Waste Isolation Pilot Plant's groundwater level data for the month of June 2003, as required by Module V.J.2.b of the Hazardous Waste Facility Permit No. NM4890139088—TSDf.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

If you have any questions regarding this data transmittal, please contact Mr. Jody Plum at (505) 234-7462.

Sincerely,

Dr. Inés R. Triay, Manager
Carlsbad Field Office

S.D. Warren, General Manager
Washington TRU Solutions, LLC

Enclosure

cc: w/enclosure
C. Walker, Trinity Engineering
C. Byrum, EPA
L. Allen, EEG

cc: w/o enclosure
S. Martin, NMED
J. Kieling, NMED



SUMMARY COMMENTS FOR THE WATER LEVEL MEASUREMENTS FOR THE
MONTH OF JUNE 2003

1. The WIPP Groundwater Detection Monitoring Program Plan, Attachment L, Section L-4c (1) requires cumulative fluctuations noted in the Detection Monitoring Program wells of more than two feet in the course of one year to be reported. None of the Water Quality Sampling Program wells indicate more than two feet of cumulative change from July 2002 through June 2003. Interim fluctuations greater than two feet are related to specific pumping episodes.
2. No measurements were taken at well DOE-2 and C-2737 due to instrumentation installed by SNL. These wells will not have water level measurements taken from them until SNL completes their well testing and removes their instrumentation. It is not known at this time when this will occur.

Waterlevel Measurements
For
June 2003

| WELL NUMBER | ZONE | CASING ELEVATION ft amsl | DATE | TIME (MST) | DEPTH ADJUST | ADJUSTED | ADJUSTED | WATER | ELEVATION | ADJUSTED | |
|-------------------|---------|-----------------------------|----------|------------|--------------|----------|-----------|-----------------|-----------|-----------------|---------|
| | | | | | TO WATER | TO TOC | DEPTH TOC | LEVEL ELEVATION | IN METERS | FRESHWATER HEAD | |
| | | | | | ft | ft | ft | ft amsl | amsl | ft amsl | |
| AEC-7 | CUL | 3657.25 | 06/09/03 | 13:50 | 620.00 | 0.98 | 619.02 | 188.68 | 3038.23 | 926.05 | 3061.18 |
| CB-1 | CUL | 3328.38 | 06/12/03 | 15:05 | 301.15 | 0.93 | 300.22 | 91.51 | 3028.16 | 922.98 | 3033.46 |
| DOE-1 | CUL | 3466.04 | 06/12/03 | 13:45 | 487.91 | 0.00 | 487.91 | 148.71 | 2978.13 | 907.73 | 3006.73 |
| ERDA-9 | CUL | 3410.10 | 06/12/03 | 07:36 | 400.25 | 0.65 | 399.60 | 121.80 | 3010.50 | 917.60 | 3026.04 |
| H-02a | CUL | 3378.09 | 06/12/03 | 10:38 | 338.68 | 0.00 | 338.68 | 103.23 | 3039.41 | 926.41 | 3042.96 |
| H-02b2 | CUL | 3378.31 | 06/12/03 | 10:34 | 338.85 | 0.00 | 338.85 | 103.28 | 3039.46 | 926.43 | 3041.83 |
| H-02c | CUL | 3378.41 | 06/12/03 | 10:18 | 338.65 | 0.00 | 338.65 | 103.22 | 3039.76 | 926.52 | 3052.74 |
| H-03b2 | CUL | 3390.03 | 06/12/03 | 08:04 | 389.62 | 0.00 | 389.62 | 118.76 | 3000.41 | 914.52 | 3011.81 |
| H-03b3 | CUL | 3388.67 | 06/12/03 | 07:57 | 383.96 | 0.00 | 383.96 | 117.03 | 3004.71 | 915.84 | 3014.60 |
| H-04b | CUL | 3333.35 | 06/12/03 | 09:46 | 332.18 | 0.00 | 332.18 | 101.25 | 3001.17 | 914.76 | 3004.76 |
| H-05a | CUL | 3506.24 | 06/12/03 | 11:30 | 474.05 | 0.00 | 474.05 | 144.49 | 3032.19 | 924.21 | 3072.22 |
| H-05b | CUL | 3506.04 | 06/12/03 | 11:24 | 476.48 | 0.00 | 476.48 | 145.23 | 3029.56 | 923.41 | 3074.56 |
| H-06a | CUL | 3348.11 | 06/09/03 | 10:14 | 292.97 | 0.00 | 292.97 | 89.30 | 3055.14 | 931.21 | 3067.43 |
| H-06b | CUL | 3348.25 | 06/09/03 | 10:21 | 293.89 | 0.00 | 293.89 | 89.58 | 3054.36 | 930.97 | 3066.61 |
| H-07b1 | CUL | 3164.17 | 06/09/03 | 07:10 | 166.45 | 0.00 | 166.45 | 50.73 | 2997.72 | 913.71 | 2998.17 |
| H-07b2 | CUL | 3165.07 | 06/09/03 | 07:00 | 167.60 | 0.00 | 167.60 | 51.08 | 2997.47 | 913.63 | 2997.38 |
| H-09c (PIP) | CUL | 3407.30 | 06/09/03 | 11:50 | 415.60 | 0.08 | 415.52 | 126.65 | 2991.78 | 911.89 | 2992.03 |
| H-10c | CUL | 3688.64 | 06/09/03 | 12:41 | 663.29 | 0.00 | 663.29 | 202.17 | 3025.35 | 922.13 | 3025.35 |
| H-11b1 | CUL | 3411.62 | 06/12/03 | 14:07 | 419.49 | 0.00 | 419.49 | 127.86 | 2992.13 | 912.00 | 3016.11 |
| H-11b4 | CUL | 3410.89 | 06/12/03 | 14:00 | 426.84 | 0.00 | 426.84 | 130.10 | 2984.05 | 909.54 | 3004.12 |
| H-12 | CUL | 3427.19 | 06/09/03 | 13:13 | 456.21 | 0.00 | 456.21 | 139.05 | 2970.98 | 905.55 | 3008.37 |
| H-17 | CUL | 3385.31 | 06/12/03 | 14:21 | 422.29 | 0.00 | 422.29 | 128.71 | 2963.02 | 903.13 | 3012.42 |
| H-19b0 | CUL | 3418.38 | 06/12/03 | 08:25 | 427.15 | 0.00 | 427.15 | 130.20 | 2991.23 | 911.73 | 3013.10 |
| H-19b2 | CUL | 3419.01 | 06/12/03 | 08:15 | 428.49 | 0.00 | 428.49 | 130.60 | 2990.52 | 911.51 | 3012.44 |
| H-19b3 | CUL | 3419.09 | 06/12/03 | 08:36 | 428.71 | 0.00 | 428.71 | 130.67 | 2990.38 | 911.47 | 3012.19 |
| H-19b4 | CUL | 3419.03 | 06/12/03 | 08:48 | 427.95 | 0.00 | 427.95 | 130.44 | 2991.08 | 911.68 | 3012.79 |
| H-19b5 | CUL | 3418.63 | 06/12/03 | 08:32 | 428.02 | 0.00 | 428.02 | 130.46 | 2990.61 | 911.54 | 3012.23 |
| H-19b6 | CUL | 3419.07 | 06/12/03 | 08:43 | 428.63 | 0.00 | 428.63 | 130.65 | 2990.44 | 911.49 | 3012.19 |
| H-19b7 | CUL | 3418.99 | 06/12/03 | 08:21 | 428.72 | 0.00 | 428.72 | 130.67 | 2990.27 | 911.43 | 3012.05 |
| P-17 | CUL | 3337.24 | 06/12/03 | 14:36 | 353.44 | 0.54 | 352.90 | 107.56 | 2984.34 | 909.63 | 2998.58 |
| WIPP-12 | CUL | 3472.06 | 06/12/03 | 06:54 | 438.50 | 0.00 | 438.50 | 133.65 | 3033.56 | 924.63 | 3070.50 |
| WIPP-13 | CUL | 3405.71 | 06/12/03 | 12:40 | 347.62 | 0.00 | 347.62 | 105.95 | 3058.09 | 932.11 | 3068.68 |
| WIPP-19 | CUL | 3435.14 | 06/12/03 | 07:09 | 393.50 | 0.00 | 393.50 | 119.94 | 3041.64 | 927.09 | 3079.62 |
| WIPP-21 | CUL | 3418.96 | 06/12/03 | 07:25 | 401.03 | 0.00 | 401.03 | 122.23 | 3017.93 | 919.87 | 3042.21 |
| WIPP-22 | CUL | 3428.12 | 06/12/03 | 07:17 | 396.13 | 0.00 | 396.13 | 120.74 | 3031.99 | 924.15 | 3063.22 |
| WIPP-25 (PIP) | CUL | 3214.39 | 06/09/03 | 09:30 | 152.41 | 0.42 | 151.99 | 46.33 | 3062.40 | 933.42 | 3059.31 |
| WIPP-26 | CUL | 3153.20 | 06/09/03 | 07:40 | 130.38 | 0.00 | 130.38 | 39.74 | 3022.82 | 921.36 | 3022.96 |
| WIPP-27 (PIP) | CUL | 3178.98 | 06/09/03 | 08:43 | 97.80 | 0.42 | 97.38 | 29.68 | 3081.60 | 939.27 | 3087.67 |
| WIPP-29 | CUL | 2978.26 | 06/09/03 | 08:04 | 11.18 | 0.00 | 11.18 | 3.41 | 2967.08 | 904.37 | 2970.25 |
| WIPP-30 (PIP) | CUL | 3429.05 | 06/12/03 | 12:07 | 358.55 | 0.70 | 357.85 | 109.07 | 3071.20 | 936.10 | 3078.34 |
| WQSP-1 | CUL | 3419.20 | 06/12/03 | 10:55 | 363.92 | 0.16 | 363.76 | 110.87 | 3055.44 | 931.30 | 3072.21 |
| WQSP-2 | CUL | 3463.90 | 06/12/03 | 11:07 | 402.96 | 0.16 | 402.80 | 122.77 | 3061.10 | 933.02 | 3080.92 |
| WQSP-3 | CUL | 3480.30 | 06/12/03 | 06:40 | 467.19 | 0.16 | 467.03 | 142.35 | 3013.27 | 918.44 | 3070.61 |
| WQSP-4 | CUL | 3433.00 | 06/12/03 | 08:57 | 444.65 | 0.16 | 444.49 | 135.48 | 2988.51 | 910.90 | 3013.54 |
| WQSP-5 | CUL | 3384.40 | 06/12/03 | 09:08 | 380.19 | 0.16 | 380.03 | 115.83 | 3004.37 | 915.73 | 3011.46 |
| WQSP-6 | CUL | 3363.80 | 06/12/03 | 09:24 | 346.43 | 0.16 | 346.27 | 105.54 | 3017.53 | 919.74 | 3021.28 |
| H-02b1 | MAG | 3378.46 | 06/12/03 | 10:28 | 231.98 | 0.00 | 231.98 | 70.71 | 3146.48 | 959.05 | * |
| H-03b1 | MAG | 3390.64 | 06/12/03 | 07:43 | 258.75 | 0.00 | 258.75 | 78.87 | 3131.89 | 954.60 | * |
| H-04c | MAG | 3334.04 | 06/12/03 | 09:52 | 191.41 | 0.00 | 191.41 | 58.34 | 3142.63 | 957.87 | * |
| H-05c | MAG | 3506.04 | 06/12/03 | 11:37 | 349.04 | 0.00 | 349.04 | 106.39 | 3157.00 | 962.25 | * |
| H-06c | MAG | 3348.52 | 06/09/03 | 10:26 | 282.64 | 0.00 | 282.64 | 86.15 | 3065.88 | 934.48 | * |
| H-08a | MAG | 3432.99 | 06/09/03 | 11:14 | 405.83 | 0.00 | 405.83 | 123.70 | 3027.16 | 922.68 | * |
| H-09c (ANNULUS) | MAG | 3407.30 | 06/09/03 | 11:57 | 272.97 | 0.00 | 272.97 | 83.20 | 3134.33 | 955.34 | * |
| H-10a | MAG | 3688.67 | 06/09/03 | 12:33 | 468.13 | 0.00 | 468.13 | 142.69 | 3220.54 | 981.62 | * |
| H-14 | MAG | 3347.11 | 06/12/03 | 10:03 | 238.32 | 0.00 | 238.32 | 72.64 | 3108.79 | 947.56 | * |
| WIPP-18 | MAG | 3458.76 | 06/12/03 | 07:00 | 316.65 | 0.00 | 316.65 | 96.51 | 3142.11 | 957.72 | * |
| WIPP-25 (ANNULUS) | MAG | 3214.39 | 06/09/03 | 09:33 | 162.20 | 0.00 | 162.20 | 49.44 | 3052.19 | 930.31 | * |
| H-03d/DL (PVC) | DL | 3390.01 | 06/12/03 | 07:50 | 316.45 | 2.22 | 314.23 | 95.78 | 3075.78 | 937.50 | * |
| WQSP-6a | DL | 3364.70 | 06/12/03 | 09:34 | 166.76 | 0.25 | 166.51 | 50.75 | 3198.19 | 974.81 | * |
| H-08c | RUS/SAL | 3432.90 | 06/09/03 | 11:19 | 452.55 | 0.00 | 452.55 | 137.94 | 2980.35 | 908.41 | * |
| AEC-8 | B/C | 3537.10 | 06/09/03 | 14:24 | 468.57 | 0.00 | 468.57 | 142.82 | 3068.53 | 935.29 | * |
| CB-1 (PIP) | B/C | 3328.38 | 06/12/03 | 14:54 | 314.62 | 1.03 | 313.59 | 95.58 | 3014.79 | 918.91 | * |
| C-2505 | SR/D | 3413.05 | 06/13/03 | 07:16 | 45.77 | 0.00 | 45.77 | 13.95 | 3367.28 | 1026.35 | * |

Waterlevel Measurements
For
June 2003

| WELL NUMBER | ZONE | CASING ELEVATION ft amsl | DATE | TIME (MST) | DEPTH | ADJUST | ADJUSTED | ADJUSTED | WATER | ELEVATION | ADJUSTED |
|-------------|------|-----------------------------|----------|------------|-------|--------|----------|----------|-----------|------------|----------|
| | | | | | TO | TO | DEPTH | LEVEL | IN | FRESHWATER | |
| | | | | | WATER | TO | TO | DEPTH | ELEVATION | METERS | HEAD |
| | | | | | ft | ft | ft | METERS | ft amsl | amsl | ft amsl |
| C-2506 | SR/D | 3412.87 | 06/13/03 | 07:14 | 45.15 | 0.00 | 45.15 | 13.76 | 3367.72 | 1026.48 | * |
| C-2507 | SR/D | 3410.01 | 06/13/03 | 07:22 | 45.92 | 0.00 | 45.92 | 14.00 | 3364.09 | 1025.37 | * |
| C-2811 | SR/D | 3398.92 | 06/13/03 | 06:42 | 60.30 | 0.00 | 60.30 | 18.38 | 3338.62 | 1017.61 | * |
| PZ-1 | SR/D | 3413.41 | 06/13/03 | 07:29 | 42.30 | 0.00 | 42.30 | 12.89 | 3371.11 | 1027.51 | * |
| PZ-2 | SR/D | 3413.42 | 06/13/03 | 07:26 | 43.50 | 0.00 | 43.50 | 13.26 | 3369.92 | 1027.15 | * |
| PZ-3 | SR/D | 3416.15 | 06/13/03 | 07:38 | 44.97 | 0.00 | 44.97 | 13.71 | 3371.18 | 1027.54 | * |
| PZ-4 | SR/D | 3412.10 | 06/13/03 | 07:33 | 47.78 | 0.00 | 47.78 | 14.56 | 3364.32 | 1025.44 | * |
| PZ-5 | SR/D | 3415.31 | 06/13/03 | 07:41 | 42.70 | 0.00 | 42.70 | 13.01 | 3372.61 | 1027.97 | * |
| PZ-6 | SR/D | 3413.49 | 06/13/03 | 07:44 | 43.82 | 0.00 | 43.82 | 13.36 | 3369.67 | 1027.08 | * |
| PZ-7 | SR/D | 3413.99 | 06/13/03 | 06:15 | 37.34 | 0.00 | 37.34 | 11.38 | 3376.65 | 1029.20 | * |
| PZ-9 | SR/D | 3421.21 | 06/13/03 | 06:23 | 56.73 | 0.00 | 56.73 | 17.29 | 3364.48 | 1025.49 | * |
| PZ-10 | SR/D | 3405.80 | 06/13/03 | 07:00 | 38.49 | 0.00 | 38.49 | 11.73 | 3367.31 | 1026.36 | * |
| PZ-11 | SR/D | 3418.95 | 06/13/03 | 06:03 | 45.00 | 0.00 | 45.00 | 13.72 | 3373.95 | 1028.38 | * |
| PZ-12 | SR/D | 3408.99 | 06/13/03 | 06:53 | 54.07 | 0.00 | 54.07 | 16.48 | 3354.92 | 1022.58 | * |

* Density data not acquired, therefore adjusted freshwater head measurements cannot be calculated for these wells.