



Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221



November 25, 2002

Mr. Steve Zappe, WIPP Project Leader
Hazardous Waste Permits Program
Hazardous Waste Bureau
New Mexico Environment Department
2505 E. Rodeo Park Dr. Bldg. 1
Santa Fe, New Mexico 87505-6303

2002

Subject: The Waste Isolation Pilot Plant's Groundwater Level Data for November 2002

Dear Mr. Zappe:

The purpose of this letter is to submit the Waste Isolation Pilot Plant's groundwater level data for the month of November 2002, 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

J. L. Lee, General Manager
Westinghouse TRU Solutions LLC

Enclosure

cc: w/enclosure
C. Walker, TechLaw

cc: w/o enclosure
J. Bearzi, NMED
J. Kieling, NMED



Mr. Steve Zappe

-2-

bcc: w/o enclosure
J. Plum, CBFO
R. Galbraith, WTS
R. Kehrman, WTS
J. Lee, WTS
L. Steven, WTS
S. Travis, WTS
S. Casey, WTS
CBFO Mailroom

SUMMARY COMMENT FOR THE WATER LEVEL MEASUREMENTS FOR THE
MONTH OF NOVEMBER 2002

1. In accordance with the WIPP Groundwater Detection monitoring Program Plan, Attachment L section L-4c(1), fluctuations noted in the Detection Monitoring Program wells of more than 2 feet in the course of one year are attributable to semi-annual pumping for water quality sampling.

Waterlevel Measurements
For
November 2002

WELL NUMBER	ZONE	CASING ELEVATION ft amsl	DATE	TIME (MST)	DEPTH TO WATER ft	ADJUST TO TOC ft	ADJUSTED DEPTH TOC ft	ADJUSTED DEPTH METERS	WATER LEVEL ELEVATION ft amsl	ELEVATION IN METERS amsl	ADJUSTED FRESHWATER HEAD ft amsl
AEC-7	CUL	3657.25	11/05/02	10:46	620.11	0.98	619.13	188.71	3038.12	926.02	3061.06
C-2737 (PIP)	CUL	3399.30	11/06/02	12:12	383.27	0.75	382.52	116.59	3016.78	919.51	3016.78
CB-1	CUL	3328.38	11/06/02	10:51	380.39	0.78	379.61	115.71	2948.77	898.79	2951.61
DOE-1	CUL	3466.04	11/06/02	11:12	487.87	0.00	487.87	148.70	2978.17	907.75	3006.77
ERDA-9	CUL	3410.10	11/04/02	10:21	400.88	0.65	400.23	121.99	3009.87	917.41	3025.38
H-02b2	CUL	3378.31	11/05/02	12:10	339.38	0.00	339.38	103.44	3038.93	926.27	3041.29
H-03b2	CUL	3390.03	11/06/02	12:02	390.60	0.00	390.60	119.05	2999.43	914.23	3010.80
H-04b	CUL	3333.35	11/04/02	12:09	331.55	0.00	331.55	101.06	3001.80	914.95	3005.40
H-05b	CUL	3506.04	11/05/02	11:21	477.16	0.00	477.16	145.44	3028.88	923.20	3073.81
H-06b	CUL	3348.25	11/04/02	08:17	294.06	0.00	294.06	89.63	3054.19	930.92	3066.43
H-07b2	CUL	3165.07	11/05/02	07:09	167.66	0.00	167.66	51.10	2997.41	913.61	2997.32
H-10c	CUL	3688.64	11/06/02	07:41	662.76	0.00	662.76	202.01	3025.88	922.29	3025.88
H-11b4	CUL	3410.89	11/06/02	10:02	426.80	0.00	426.80	130.09	2984.09	909.55	3004.16
H-12	CUL	3427.19	11/06/02	09:38	456.59	0.00	456.59	139.17	2970.60	905.44	3007.95
H-17	CUL	3385.31	11/06/02	10:14	422.19	0.00	422.19	128.68	2963.12	903.16	3012.54
H-19b0	CUL	3418.38	11/04/02	10:48	427.63	0.00	427.63	130.34	2990.75	911.58	3012.59
P-17	CUL	3337.24	11/06/02	10:30	353.51	0.54	352.97	107.59	2984.27	909.61	2998.51
WIPP-12	CUL	3472.06	11/04/02	09:33	438.81	0.00	438.81	133.75	3033.25	924.53	3070.16
WIPP-13	CUL	3405.71	11/05/02	11:47	347.72	0.00	347.72	105.99	3057.99	932.08	3068.58
WIPP-19	CUL	3435.14	11/04/02	09:50	394.02	0.00	394.02	120.10	3041.12	926.93	3079.04
WIPP-21	CUL	3418.96	11/04/02	10:08	401.64	0.00	401.64	122.42	3017.32	919.68	3041.55
WIPP-22	CUL	3428.12	11/04/02	09:59	396.68	0.00	396.68	120.91	3031.44	923.98	3062.62
WIPP-25 (PIP)	CUL	3214.39	11/05/02	09:40	152.33	0.42	151.91	46.30	3062.48	933.44	3059.38
WIPP-26	CUL	3153.20	11/05/02	07:41	130.25	0.00	130.25	39.70	3022.95	921.40	3023.09
WIPP-27 (PIP)	CUL	3178.98	11/05/02	08:51	97.48	0.42	97.06	29.58	3081.92	939.37	3088.00
WIPP-29	CUL	2978.26	11/05/02	08:05	11.00	0.00	11.00	3.35	2967.26	904.42	2970.46
WIPP-30 (PIP)	CUL	3429.05	11/05/02	10:18	359.27	0.70	358.57	109.29	3070.48	935.88	3077.61
WQSP-1	CUL	3419.20	11/04/02	07:50	364.17	0.16	364.01	110.95	3055.19	931.22	3071.95
WQSP-2	CUL	3463.90	11/04/02	08:52	403.44	0.16	403.28	122.92	3060.62	932.88	3080.42
WQSP-3	CUL	3480.30	11/04/02	09:19	468.51	0.16	468.35	142.75	3011.95	918.04	3069.10
WQSP-4	CUL	3433.00	11/04/02	10:38	444.98	0.16	444.82	135.58	2988.18	910.80	3013.18
WQSP-5	CUL	3384.40	11/04/02	11:06	381.83	0.16	381.67	116.33	3002.73	915.23	3009.78
WQSP-6	CUL	3363.80	11/04/02	11:19	346.70	0.16	346.54	105.63	3017.26	919.66	3021.01
C-2737 (ANNULUS)	MAG	3399.30	11/06/02	12:18	257.63	0.00	257.63	78.53	3141.67	957.58	*
H-02b1	MAG	3378.46	11/05/02	12:03	231.60	0.00	231.60	70.59	3146.86	959.16	*
H-03b1	MAG	3390.64	11/06/02	11:50	259.29	0.00	259.29	79.03	3131.35	954.44	*
H-04c	MAG	3334.04	11/04/02	12:01	190.13	0.00	190.13	57.95	3143.91	958.26	*
H-05c	MAG	3506.04	11/05/02	11:28	348.97	0.00	348.97	106.37	3157.07	962.27	*
H-06c	MAG	3348.52	11/04/02	08:11	283.15	0.00	283.15	86.30	3065.37	934.32	*
H-08a	MAG	3432.99	11/06/02	08:49	406.03	0.00	406.03	123.76	3026.96	922.62	*
H-10a	MAG	3688.67	11/06/02	07:57	468.68	0.00	468.68	142.85	3219.99	981.45	*
WIPP-25 (ANNULUS)	MAG	3214.39	11/05/02	09:43	162.14	0.00	162.14	49.42	3052.25	930.33	*
H-03d/DL (PVC)	DL	3390.01	11/06/02	11:56	317.39	2.22	315.17	96.06	3074.84	937.21	*
WQSP-6a	DL	3364.70	11/04/02	11:26	166.85	0.25	166.60	50.78	3198.10	974.78	*
H-08c	RUS/SAL	3432.90	11/06/02	08:56	453.10	0.00	453.10	138.10	2979.80	908.24	*
AEC-8	B/C	3537.10	11/05/02	11:06	475.66	0.00	475.66	144.98	3061.44	933.13	*
CB-1 (PIP)	B/C	3328.38	11/06/02	10:44	314.98	1.03	313.95	95.69	3014.43	918.80	*
C-2505	SR/D	3413.05	11/06/02	14:00	45.64	0.00	45.64	13.91	3367.41	1026.39	*
C-2506	SR/D	3412.87	11/06/02	14:03	45.01	0.00	45.01	13.72	3367.86	1026.52	*
C-2507	SR/D	3410.01	11/06/02	14:08	45.64	0.00	45.64	13.91	3364.37	1025.46	*
C-2811	SR/D	3398.92	11/06/02	12:22	60.93	0.00	60.93	18.57	3337.99	1017.42	*
PZ-1	SR/D	3413.41	11/06/02	13:56	42.64	0.00	42.64	13.00	3370.77	1027.41	*
PZ-2	SR/D	3413.42	11/06/02	13:48	44.08	0.00	44.08	13.44	3369.34	1026.97	*
PZ-3	SR/D	3416.15	11/06/02	13:39	45.63	0.00	45.63	13.91	3370.52	1027.33	*
PZ-4	SR/D	3412.10	11/06/02	13:57	47.74	0.00	47.74	14.55	3364.36	1025.46	*
PZ-5	SR/D	3415.31	11/06/02	13:36	43.43	0.00	43.43	13.24	3371.88	1027.75	*
PZ-6	SR/D	3413.49	11/06/02	13:31	43.74	0.00	43.74	13.33	3369.75	1027.10	*
PZ-7	SR/D	3413.99	11/06/02	13:03	37.78	0.00	37.78	11.52	3376.21	1029.07	*
PZ-9	SR/D	3421.21	11/06/02	12:35	57.81	0.00	57.81	17.62	3363.40	1025.16	*
PZ-10	SR/D	3405.80	11/06/02	12:50	38.36	0.00	38.36	11.69	3367.44	1026.40	*
PZ-11	SR/D	3418.95	11/06/02	12:56	45.74	0.00	45.74	13.94	3373.21	1028.15	*
PZ-12	SR/D	3408.99	11/06/02	12:44	53.40	0.00	53.40	16.28	3355.59	1022.78	*

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



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AA:02:00855
UFC:5486.00

November 18, 2002

Dr. I. R. Triay, Manager
Carlsbad Field Office
U.S. Department of Energy
P.O. Box 3090
Carlsbad, NM 88221-3090

Subject: TRANSMITTAL OF THE WASTE ISOLATION PILOT PLANT'S GROUNDWATER LEVEL DATA
FOR NOVEMBER 2002

Dear Dr. Triay:

Westinghouse TRU Solutions LLC is providing Mr. Jody Plum the Groundwater Level Data for the month of November 2002 for submittal to the New Mexico Environment Department (NMED) as required by Module V.J.2.b of the Hazardous Waste Facility Permit No. NM4890139088--TSDf. These data are due to the NMED by December 6, 2002.

Enclosed is a draft transmittal letter for submitting this information to Mr. S. Zappe. If you have any questions or comments, please contact Mr. S. L. Travis at Extension 8172.

Sincerely,

J. L. Lee
General Manager

SLT:slc

Enclosures (2)

cc: (with enclosures)
H. L. Plum, CBFO

(without enclosures)
I. R. Triay, CBFO