

12.0 SUMMARY OF 1996 RESULTS OF OFFSITE TLD AND GROUNDWATER MONITORING

Because of the change in Nevada Test Site operations and a reduced budget, some of the monitoring networks operated by the U.S. Environmental Protection Agency's Radiation and Indoor Environments National Laboratory were eliminated or sharply curtailed. As a result, only tables of personnel and area monitoring with thermoluminescent dosimeters (Tables 12.1-12.2) and results from the offsite Long-Term Hydrological Monitoring Program (LTHMP) are included in this chapter (see Tables 12.3-12.10). In the LTHMP tables, if the MDC is 220 or so, then conventional tritium analysis was used. If the MDC is <10, tritium enrichment was used. These results are discussed in the "U.S. Department of Energy, Nevada Operations Office, Annual Site Environmental Report - 1996, DOE/NV/11718-137."

Table 12.1 Personnel Thermoluminescent Dosimetry Results - 1996

Personnel & Associated ID Station Name	Number of Days	Daily Deep Dose Exposure (mrem)			Total Annual Exposure	Percent Complete
		Minimum	Maximum	Mean		
022 Alamo, NV	356	0.14	0.30	0.23	85	98
028 Beatty, NV	357	0.32	0.37	0.35	120	98
040 Goldfield, NV	357	0.22	0.33	0.28	100	98
042 Tonopah, NV	357	0.30	0.34	0.32	120	98
045 St. George, UT	169	0.19	0.22	0.20	74	46
293 Pioche, NV	274	0.26	0.34	0.31	110	75
307 Mina, NV	216	0.26	0.31	0.29	100	59
336 Caliente, NV	341	0.21	0.29	0.25	91	93
344 Delta, UT	356	0.20	0.27	0.23	85	98
345 Delta, UT	356	0.24	0.28	0.26	95	98
346 Milford, UT	356	0.21	0.36	0.29	110	98
347 Milford, UT	265	0.26	0.36	0.30	110	73
348 Overton, NV	357	0.15	0.21	0.19	71	98
380 Amargosa Valley, NV	183	0.21	0.24	0.23	82	50
427 Alamo, NV	357	0.22	0.32	0.26	93	98
592 Alamo, NV	357	0.22	0.29	0.26	95	98
593 Cedar City, UT	286	0.25	0.32	0.28	100	78
594 St. George, UT	273	0.11	0.19	0.15	49	75
595 Las Vegas, NV	361	0.16	0.40	0.27	90	99
596 Las Vegas, NV	361	0.14	0.30	0.22	76	99
607 Tonopah, NV	357	0.30	0.36	0.34	120	98
608 Logandale, NV	357	0.19	0.21	0.20	75	98
610 Caliente, NV	356	0.27	0.38	0.32	120	98
621 Indian Springs, NV	267	0.15	0.30	0.21	76	73
651 Amargosa Valley, NV	84	0.24	0.24	0.24	87	23

Mean of total exposure is 96 mrem. Total data completeness is 86 percent.

Note: Total annual exposure is calculated by multiplying the mean daily exposure rate by 365.25.

Table 12.2 Environmental Thermoluminescent Dosimetry Results - 1996

Station Name	Number of Days	Daily Exposure (mR)			Total (mR) Exposure	Percent Complete
		Minimum	Maximum	Mean		
Alamo, NV	357	0.22	0.26	0.24	86	98
Amargosa Center, NV	356	0.18	0.32	0.22	81	98
Austin, NV	273	0.34	0.36	0.34	130	75
Baker, CA	334	0.23	0.26	0.24	87	92
Barstow, CA	356	0.26	0.31	0.27	99	98
Beatty, NV	357	0.14	0.32	0.26	95	98
Bishop, CA	356	0.26	0.32	0.27	100	98
Blue Jay, NV	358	0.15	0.37	0.28	100	98
Caliente, NV	356	0.22	0.29	0.25	110	98
Cedar City, UT	357	0.18	0.21	0.19	71	98
Coaldale, NV	355	0.25	0.32	0.28	100	97
Complex I, NV	357	0.28	0.30	0.29	110	98
Coyote Summit, NV	357	0.28	0.38	0.33	120	98
Delta, UT	356	0.21	0.23	0.22	80	98
Ely, NV	357	0.17	0.24	0.19	88	98
Eureka, NV	356	0.22	0.27	0.24	87	98
Gabbs, NV	355	0.20	0.24	0.21	76	97
Garrison, UT	356	0.19	0.22	0.21	75	98
Goldfield, NV	357	0.12	0.28	0.22	81	98
Groom Lake, NV	349	0.23	0.28	0.26	93	96
Hiko, NV	356	0.18	0.21	0.19	70	98
Indian Springs, NV	83	0.28	0.28	0.28	100	23
Las Vegas UNLV, NV	350	0.16	0.24	0.19	67	96
Lone Pine, CA	334	0.23	0.29	0.26	120	92
Lund, NV	310	0.24	0.30	0.26	92	85
Lund, UT	357	0.28	0.32	0.29	110	98
Manhattan, NV	335	0.34	0.40	0.36	130	92
Medlins Ranch, NV	357	0.30	0.32	0.31	110	98
Mesquite, NV	357	0.18	0.21	0.20	71	98
Milford, UT	356	0.31	0.32	0.32	120	98
Mina, NV	355	0.23	0.29	0.26	95	97
Moapa, NV	357	0.22	0.25	0.23	85	98
Nyala, NV	356	0.12	0.26	0.19	74	98
Overton, NV	357	0.17	0.21	0.19	68	98
Pahrump, NV	356	0.14	0.22	0.16	60	98
Pioche, NV	356	0.22	0.25	0.23	100	98
Queen City Summit, NV	358	0.31	0.35	0.34	130	98
Rachel, NV	357	0.29	0.32	0.31	110	98
Round Mountain, NV	356	0.30	0.34	0.32	120	98
St. George, UT	357	0.15	0.19	0.16	59	98
Stone Cabin, NV	358	0.15	0.33	0.26	98	98
Sunnyside, NV	357	0.16	0.19	0.17	61	98

Note: Total annual exposure is calculated by multiplying the mean daily exposure rate by 365.25.

Table 12.2 (Environmental Thermoluminescent Dosimetry Results - 1996, cont.)

<u>Station Name</u>	<u>Number of Days</u>	<u>Daily Exposure (mR)</u>			<u>Total (mR) Exposure</u>	<u>Percent Complete</u>
		<u>Minimum</u>	<u>Maximum</u>	<u>Mean</u>		
Tonopah Test Range, NV	357	0.16	0.34	0.29	100	98
Tonopah, NV	357	0.15	0.33	0.27	100	98
Twin Springs, NV	358	0.15	0.33	0.26	95	98
Uhaldes Ranch, NV	357	0.26	0.33	0.30	110	98
Warm Springs No. 1, NV	189	0.13	0.27	0.20	75	52

Minimum total exposure is 59 at St. George, Utah, maximum is 130 at Manhattan, Nevada.

Mean of total exposure is 93 mR.

Total data completeness is 94 percent.

Note: Total annual exposure is calculated by multiplying the mean daily exposure rate by 365.25.

Table 12.3 LTHMP Summary of Tritium Results for Project FAULTLESS - 1996

<u>Location</u>	<u>Number of Samples</u>	<u>Tritium Concentration (pCi/L)</u>			
		<u>Result</u>	<u>1 Standard Deviation</u>	<u>% of DCG</u>	<u>Mean MDC</u>
Hot Creek Ranch	1	-73	65	N/A	220
Blue Jay Maintenance	1	-110	65	N/A	220
Bias Well	No Pump				
James Ranch	1	1100	75	1.3	220
Rivers Ranch	1	880	74	0.98	220
Base Camp Well	1	180	67	N/A	220
Well HTH-1	1	-0.08	1.6	N/A	6.3
Well HTH-2	1	-0.45	1.8	N/A	5.9
Well Six Mile	Pump Inoperable				

DCG Derived Concentration Guide. Established by DOE Order as 90,000 pCi/L.

N/A Not applicable. Percent of concentration guide is not applicable because the tritium result is less than the MDC or because the water is known to be nonpotable.

Table 12.4 LTHMP Summary of Tritium Results for Project SHOAL - 1996

<u>Location</u>	<u>Number of Samples</u>	<u>Tritium Concentration (pCi/L)</u>			<u>Mean MDC</u>
		<u>Result</u>	<u>1 Standard Deviation</u>	<u>% of DCG</u>	
Hunts' Station	1	0.0	66	N/A	220
Smith/James Spring	1	-37	65	N/A	220
Spring Windmill	Pump Out				
Well Flowing	1	37	66	N/A	220
Well H-2	No Access, Gate Locked				
Well H-3	1	37	66	N/A	220
Well HS-1	1	1.1	1.6	N/A	5.1

DCG Derived Concentration Guide. Established by DOE Order as 90,000 pCi/L.

N/A Not applicable. Percent of concentration guide is not applicable because the tritium result is less than the MDC or because the water is known to be nonpotable.

Table 12.4 LTHMP Summary of Tritium Results for Project SHOAL - 1996

<u>Location</u>	<u>Number of Samples</u>	<u>Tritium Concentration (pCi/L)</u>			<u>Mean MDC</u>
		<u>Result</u>	<u>1Sigma</u>	<u>% of DCG</u>	
Battlement Creek	1	240	70	0.27	220
City Springs	1	-27	67	N/A	220
Gardner Ranch	1	240	70	0.27	220
Spring 300 Yards N		Spring Dry			
Well CER Test	1	75	2.8	0.08	5.9
Hayward Ranch	1	110	3.4	0.12	8.6
Potter Ranch	1	120	69	N/A	220
Jacobs Ranch	1	240	70	0.27	220
Rothgery Ranch	1	88	68	N/A	220

DCG Derived Concentration Guide. Established by DOE Order as 90,000 pCi/L.

N/A Not applicable. Percent of concentration guide is not applicable because the tritium result is less than the MDC or because the water is known to be nonpotable.

Table 12.6 LTHMP Summary of Tritium Results for Project RIO BLANCO - 1996

<u>Location</u>	<u>Number of Samples</u>	<u>Tritium Concentration (pCi/L)</u>		<u>% of DCG</u>	<u>Mean MDC</u>
		<u>Result</u>	<u>1Sigma</u>		
B-1 Equity Camp	1	47	2.6	0.05	7.2
Brennan Windmill	Windmill Not Working				
CER 1 Black Sulph	1	78	70	N/A	230
CER 4 Black Sulph	1	46	2.4	0.05	6.4
Fawn Creek 1	1	-27	68	N/A	220
Fawn Creek 500' Up	1	88	68	N/A	220
Fawn Creek 500' Dn	1	12	68	N/A	220
Fawn Creek 6800' Up	1	12	68	N/A	220
Fawn Creek 8400' Dn	1	32	2.4	0.04	7.0
Fawn Creek 3	1	50	68	N/A	220
Johnson Artesian	1	88	68	N/A	220
Well RB-D-01	1	0.74	2.0	N/A	6.5
Well RB-D-03	1	-27	68	N/A	220
Well RB-S-03	1	88	68	N/A	220

DCG Derived Concentration Guide. Established by DOE Order as 90,000 pCi/L.

N/A Not applicable. Percent of concentration guide is not applicable because the tritium result is less than the MDC or because the water is known to be nonpotable.

Table 12.7 LTHMP Summary of Tritium Results for Project GNOME - 1996

<u>Location</u>	<u>Number of Samples</u>	<u>Tritium Concentration (pCi/L)</u>		<u>% of DCG</u>	<u>Mean MDC</u>
		<u>Result</u>	<u>1Sigma</u>		
Carlsbad City Well 7 ^(a)	1	-27	68	NA	220
Loving City Well 2	1	12	68	NA	220
Well DD-1 ^(b)	1	6.8×10^7	3.0×10^5	7.6×10^4	220
Well LRL-7 ^(c)	1	5.3×10^3	110	5.9	220
Well PHS 6	1	33	2.4	0.04	6.9
Well PHS 8	1	7.8	1.4	0.01	4.5
Well PHS 9	1	12	68	NA	220
Well PHS 10	1	12	68	NA	220
Well USGS 1	1	-0.3	1.6	NA	5.4
Well USGS 4 ^(d)	1	9.0×10^4	350	100	220
Well USGS 8 ^(e)	1	7.6×10^4	320	84	220
J. Mobley Ranch	1	4.1	1.5	NA	4.8

DCG Derived Concentration Guide. Established by DOE Order as 90,000 pCi/L.

N/A Not applicable. Percent of concentration guide is not applicable because the tritium result is less than the MDC or because the water is known to be nonpotable.

Table 12.7 (LTHMP Summary of Tritium Results for Project GNOME- 1996, cont.)

Additional Results Greater than the MDC:

	<u>Nuclide</u>	<u>Result</u>	<u>1 Standard Deviation</u>	<u>MDC</u>	<u>Units</u>
(a)	⁹⁰ Sr	-0.19	0.26	1.2	pCi/L
	²³⁸ Pu	0.013	0.012	0.017	pCi/L
	²³⁹⁺²⁴⁰ Pu	-0.025	0.018	0.12	pCi/L
(b)	⁹⁰ Sr	1.0 x 10 ⁴	7.0 x 10 ²	1.3 x 10 ³	pCi/L
	¹³⁷ Cs	7.3 x 10 ⁵	3.5 x 10 ⁴	3.2 x 10 ³	pCi/L
	²³⁸ Pu	0.021	0.021	0.058	pCi/L
	²³⁹⁺²⁴⁰ Pu	0.064	0.047	0.16	pCi/L
(c)	⁹⁰ Sr	2.1	2.5	6.0	pCi/L
	¹³⁷ Cs	100	7.5	2.5	pCi/L
	²³⁸ Pu	0.012	0.012	0.033	pCi/L
	²³⁹⁺²⁴⁰ Pu	0.012	0.012	0.033	pCi/L
(d)	⁹⁰ Sr	3500	12	1.2	pCi/L
	²³⁸ Pu	-0.003	0.003	0.022	pCi/L
	²³⁹⁺²⁴⁰ Pu	0.003	0.003	0.008	pCi/L
(e)	⁹⁰ Sr	4000	12	1.2	pCi/L
	¹³⁷ C	6.8	0.6	2.5	pCi/L
	²³⁸ Pu	-0.007	0.007	0.051	pCi/L
	²³⁹⁺²⁴⁰ Pu	0.007	0.007	0.019	pCi/L

Table 12.8 LTHMP Summary of Tritium Results for Project GASBUGGY - 1996

<u>Location</u>	<u>Number of Samples</u>	<u>Tritium Concentration (pCi/L)</u>		<u>% of DCG</u>	<u>Mean MDC</u>
		<u>Result</u>	<u>1Sigma</u>		
La Jara Creek	1	160	70	NA	220
Lower Burro Canyon	1	12	68	NA	220
Pond N 30.3.32.3	1	Pond Dry			
Arnold Ranch	1	-65	67	NA	220

DCG Derived Concentration Guide. Established by DOE Order as 90,000 pCi/L.

N/A Not applicable. Percent of concentration guide is not applicable because the tritium result is less than the MDC or because the water is known to be nonpotable.

Table 12.8 LTHMP Summary of Tritium Results for Project GASBUGGY - 1996

<u>Location</u>	<u>Number of Samples</u>	<u>Tritium Concentration (pCi/L)</u>		<u>% of DCG</u>	<u>Mean MDC</u>
		<u>Result</u>	<u>1Sigma</u>		
Bixler Ranch	Ranch Abandoned				
Bubbling Springs	1	26	2.2	0.03	6.2
Cave Springs	1	54	3.1	0.06	8.5
Cedar Springs	1	43	2.0	0.05	5.6
Well Jicarilla	1 (from stock tank)	50	68	NA	220
Well 28.3.33.233	1	50	68	NA	220
Well 30.3.32.343	Pump out				
Windmill 2	1	50	68	NA	220
Well EPNG 10-36	1	120	2.6	0.13	6.1

DCG Derived Concentration Guide. Established by DOE Order as 90,000 pCi/L.

N/A Not applicable. Percent of concentration guide is not applicable because the tritium result is less than the MDC or because the water is known to be nonpotable.

Table 12.9 LTHMP Summary of Tritium Results for Project SALMON - April 1996

<u>Sample Location</u>		<u>Collection Date</u>	<u>Enriched Tritium</u>		<u>Tritium</u>	
			<u>pCi/L ± sd</u>	<u>MDC</u>	<u>pCi/L ± 1sd</u>	<u>MDC</u>
<i>Baxterville, MS</i>						
Anderson, Billy Ray		4/22/96			<MDC	220
Anderson Pond		4/22/96			<MDC	220
Anderson, Regina		4/24/96			<MDC	220
Anderson, Robert Harvey		4/22/96			<MDC	220
Anderson, Robert Lowell, Jr.		4/24/96			<MDC	220
Anderson, Robert Lee		4/24/96			<MDC	220
Anderson, Tony		4/23/96			<MDC	220
Bilbo, Timothy L.		4/23/96			<MDC	220
Burge, Joe		4/24/96			<MDC	220
Daniels, Webster, Jr.		4/23/96			<MDC	220
Daniels - Well No. 2 Fish Pond		4/23/96			<MDC	220
Hilbey, Billy		4/22/96			<MDC	220
Half Moon Creek	Pre Dup ^(a)	4/22/96	20 ± 2.4	7.4		
	Post Dup	4/22/96	16 ± 1.9	6.0		
	Pre	4/22/96	17 ± 2.0	6.1		
	Post	4/22/96	15 ± 1.2	4.9		

(a) Pre indicates sampling prior to pumping the well, Dup indicates a duplicate sample, Post indicates sampling after pumping the well, and Post Dup is a duplicate sample after pumping the well.

Table 12.9 (LTHMP Summary of Tritium Results for Project SALMON - April 1996, cont.)

Sample Location	Collection Date	Enriched Tritium			Tritium	
		pCi/L ± sd	MDC	pCi/L ± 1sd	MDC	
<i>(Baxterville, MS, cont.)</i>						
Half Moon Creek Overflow	Pre Dup ^(a)	4/22/96	180 ± 3.3	6.6		
	Post Dup	4/22/96	210 ± 3.0	5.8		
	Pre	4/22/96	180 ± 2.7	5.5		
	Post	4/22/96	200 ± 3.0	5.7		
Lee, P. T.		4/22/96			<MDC	230
Little Creek No. 1		4/22/96			<MDC	230
Lower Little Creek No. 2		4/22/96			<MDC	230
McGinnis, Gloria		4/22/96	14 ± 1.7	5.2		
Mills, A. C.			No sample, on city water			
Mills, Roy		4/22/96			<MDC	230
Noble's Pond		4/21/96	16 ± 1.9	5.9		
Noble, W. H., Jr.		4/25/96	31 ± 1.8	5.2		
Pond West of GZ	Pre	4/21/96	8.5 ± 1.4	4.3		
	Post	4/22/96	13 ± 2.0	6.3		
REECO Pit Drainage-A		4/21/96	13 ± 2.2	6.6		
REECO Pit Drainage-B		4/21/96	240 ± 3.4	6.6		
REECO Pit Drainage-C		4/21/96	260 ± 6.9			
Salt Dome Hunting Club		4/22/96	14 ± 1.5	4.5		
Salt Dome Timber Co.		4/23/96			<MDC	230
Saucier, Dennis		4/23/96			<MDC	230
Saucier, Wilma & Yancy			No sample, on city water			
Well Ascot 2		4/24/96	28 ± 2.1	7.0		
Baxterville Well City		4/23/96	20 ± 2.2	6.8		
Well E-7		4/23/96			<MDC	230
Well HM-1	Pre pump	4/22/96			<MDC	230
	½ hr pump	4/22/96			<MDC	230
	1 hr pump	4/22/96			<MDC	230
	1½ hr pump	4/22/96			<MDC	230
	Post	4/22/96			<MDC	230
Well HM-2A	Pre pump	4/22/96			<MDC	230
	½ hr pump	4/22/96			<MDC	230
	1 hr pump	4/22/96			<MDC	230
	1½ hr pump	4/22/96			<MDC	230
	Post pump	4/22/96			<MDC	230
Well HM-2B	Pre pump	4/22/96			<MDC	230
	1½ hr pump	4/22/96			<MDC	230
	Post pump	4/22/96			<MDC	230
Well HM-3	Pre pump	4/22/96			<MDC	230

(a) Pre indicates sampling prior to pumping the well, Dup indicates a duplicate sample, Post indicates sampling after pumping the well, and Post Dup is a duplicate sample after pumping the well.

Table 12.9 (LTHMP Summary of Tritium Results for Project SALMON - April 1996, cont.)

Sample Location	Collection Date	Enriched Tritium		Tritium	
		pCi/L ± sd	MDC	pCi/L ± 1sd	MDC
<i>(Baxterville, MS, cont.)</i>					
Well HM-L	½ hr pump	4/22/96		<MDC	230
	1 hr pump	4/22/96		<MDC	230
	1½ hr pump	4/22/96		<MDC	230
	Post pump	4/22/96		<MDC	230
	Pre pump	4/22/96		<MDC	230
	½ hr pump	4/22/96		<MDC	230
	1 hr pump	4/22/96		<MDC	230
	1½ hr pump	4/22/96		<MDC	230
	Post pump	4/22/96		<MDC	230
Well HM-L2	Pre ^(a)	4/24/96		<MDC	230
	Post	4/24/96		<MDC	230
Well HM-S	Pre	4/21/96		4000 ± 99	230
	Post	4/22/96		4000 ± 99	230
Well HMH-1	Pre	4/21/96		2000 ± 85	230
	Post	4/21/96		2100 ± 86	230
Well HMH-2	Pre	4/21/96		230 ± 71	230
	Post	4/22/96		<MDC	230
Well HMH-3	Pre	4/21/96	12 ± 2.0	6.0	
	Post	4/22/96	16 ± 1.7	5.3	
Well HMH-4	Pre	4/21/96		<MDC	230
	Post	4/22/96		<MDC	230
Well HMH-5	Pre	4/21/96		620 ± 75	230
	Post	4/22/96		1200 ± 79	230
Well HMH-6	Pre	4/21/96		<MDC	230
	Post	4/22/96		<MDC	230
Well HMH-7	Pre	4/21/96			
	Post	4/22/96		No sample, well under water	
Well HMH-8	Pre	4/21/96			
	Post	4/22/96		No sample, well under water	
Well HMH-9	Pre	4/21/96		<MDC	230
	Post	4/22/96		<MDC	230
Well HMH-10	Pre	4/21/96		<MDC	230
	Post	4/22/96		<MDC	230
Well HMH-11	Pre	4/21/96		<MDC	230
	Post	4/22/96		<MDC	230
Well HMH-12	Pre	4/21/96		<MDC	230

(a) Pre indicates sampling prior to pumping the well, Dup indicates a duplicate sample, Post indicates sampling after pumping the well, and Post Dup is a duplicate sample after pumping the well.

Table 12.9 (LTHMP Summary of Tritium Results for Project SALMON - April 1996, cont.)

Sample Location	Collection Date	Enriched Tritium		Tritium	
		pCi/L \pm sd	MDC	pCi/L \pm 1sd	MDC
<i>(Baxtervill, MS, cont.)</i>					
	Post ^(a)	4/22/96		<MDC	220
Well HMH-13	Pre	4/21/96		<MDC	220
	Post	4/22/96		<MDC	220
Well HMH-14	Pre	4/21/96		<MDC	220
	Post	4/22/96		<MDC	220
Well HMH-15	Pre	4/21/96		<MDC	220
	Post	4/22/96		<MDC	220
Well HMH-16	Pre	4/21/96	18 \pm 1.6	4.9	
	Post	4/22/96	26 \pm 2.0	6.0	
Well HT-2C		4/23/96		No access	
Well HT-4		4/23/96		<MDC	220
Well HT-5		4/23/96		<MDC	220
<i>Columbia, MS</i>					
Dennis, Buddy		4/23/96	Sample from hub water system		<MDC 220
Dennis, Marvin		4/23/96		<MDC	220
Well 64B City		4/23/96		<MDC	220
<i>Lumberton, MS</i>					
Anderson, Arleene		4/23/96		<MDC	220
Anderson, Lee L		4/23/96		<MDC	220
Rogers, Robert		4/22/96		<MDC	220
Boren Crawfish Pond		4/22/96		<MDC	220
Gipson, Herman		4/22/96	City water		
Gipson, Michael D.		4/23/96	City water		
Gipson, Philip		4/22/96	City water		
Graham, Sylvester		4/22/96	City water		
Hartfield, Ray		4/23/96		<MDC	220
Powell, Shannon		4/23/96	15 \pm 2.0	4.9	
Saul, Lee L.		4/22/96	City water		
Saul, Rushing, Debra		4/23/96		<MDC	220
Saul, Ola		4/23/96		<MDC	220
Smith, E. J.		4/23/96	City water		

(a) Pre indicates sampling prior to pumping the well, Dup indicates a duplicate sample, Post indicates sampling after pumping the well, and Post Dup is a duplicate sample after pumping the well.

Table 12.9 (LTHMP Summary of Tritium Results for Project SALMON - April 1996, cont.)

<u>Sample Location</u>	<u>Collection Date</u>	<u>Enriched Tritium</u>		<u>Tritium</u>	
		<u>pCi/L ± sd</u>	<u>MDC</u>	<u>pCi/L ± 1sd</u>	<u>MDC</u>
<i>(Lumberton, MS, cont.)</i>					
Smith, Howard	4/22/96	City water			
Smith, Howard - Pond	4/22/96			<MDC	230
Thompson, Reswell	4/22/96	14 ± 1.9	6.1		
Well 2 City	4/23/96			<MDC	230
<i>Purvis, MS</i>					
Burge, Willie Ray & Grace	4/24/96			<MDC	230
Boren, Ron	4/22/96			<MDC	230
City Supply	4/23/96			<MDC	230
Rain Sample					
IT Compound (Baxterville)	4/23/96			<MDC	230

(a) Pre indicates sampling prior to pumping the well, Dup indicates a duplicate sample, Post indicates sampling after pumping the well, and Post Dup is a duplicate sample after pumping the well.