

4.0 EXTERNAL RADIATION

External radiation fields were monitored near facilities and waste handling, storage, and disposal sites to measure and assess the impacts of operations. TLDs were used at numerous fixed locations to gather dose rate information over extended periods of time, typically three months.

In 2002, there were 135 TLD locations collecting external radiation information. At 3 of the operational areas, the calculated dosimeter results showed a decrease of 7% or more in external radiation from 2001 levels. At one location (212-R in the 200 North Area), there was a 38% calculated increase in radiation detected. At the remaining operational areas, change in the external radiation levels were calculated to be 5% or less.

In September 2002, five new TLD locations were established for the 100-KR-1 remedial action project, northeast of the 100-K Area.

The number of TLD locations and a comparison summary between the 2001 and 2002 TLD results for each of the operational areas is provided in Table 4-1.

Table 4-1. Thermoluminescent Dosimeter Results (mrem/yr) for 2001 and 2002.

Area	Number of Locations, 2002	2001		2002		% Change ^a
		Maximum	Mean	Maximum	Mean	
100-B/C	5	93	87	93	86	0%
100-F	5	90	85	93	86	<1%
100-K	11	410	125	440	129	5%
CVDF ^b	4	80	77	83	79	3%
100-KR-1	5	NA ^c	NA	110	96	NA
100-N	14	980	310	1042	274	-12%
200 East Area	42	400	120	290	113	-1%
200 West Area	24	173	100	220	108	5%
200 North (212-R)	1	2500	2300	3400	3200	38%
300 Area	8	170	110	130	99	-7%
300 TEDF ^d	6	90	85	88	85	<1%
400 Area	7	83	81	86	82	<1%
ERDF ^e	3	110	100	95	90	-10%

a - Numbers indicate a calculated decrease (-) or increase from the 2001 mean.

b - CVDF = Cold Vacuum Drying Facility (100-K Area).

c - NA = Not Applicable. TLD monitoring was initiated in September 2002.

d - TEDF = Treated Effluent Disposal Facility (300 Area).

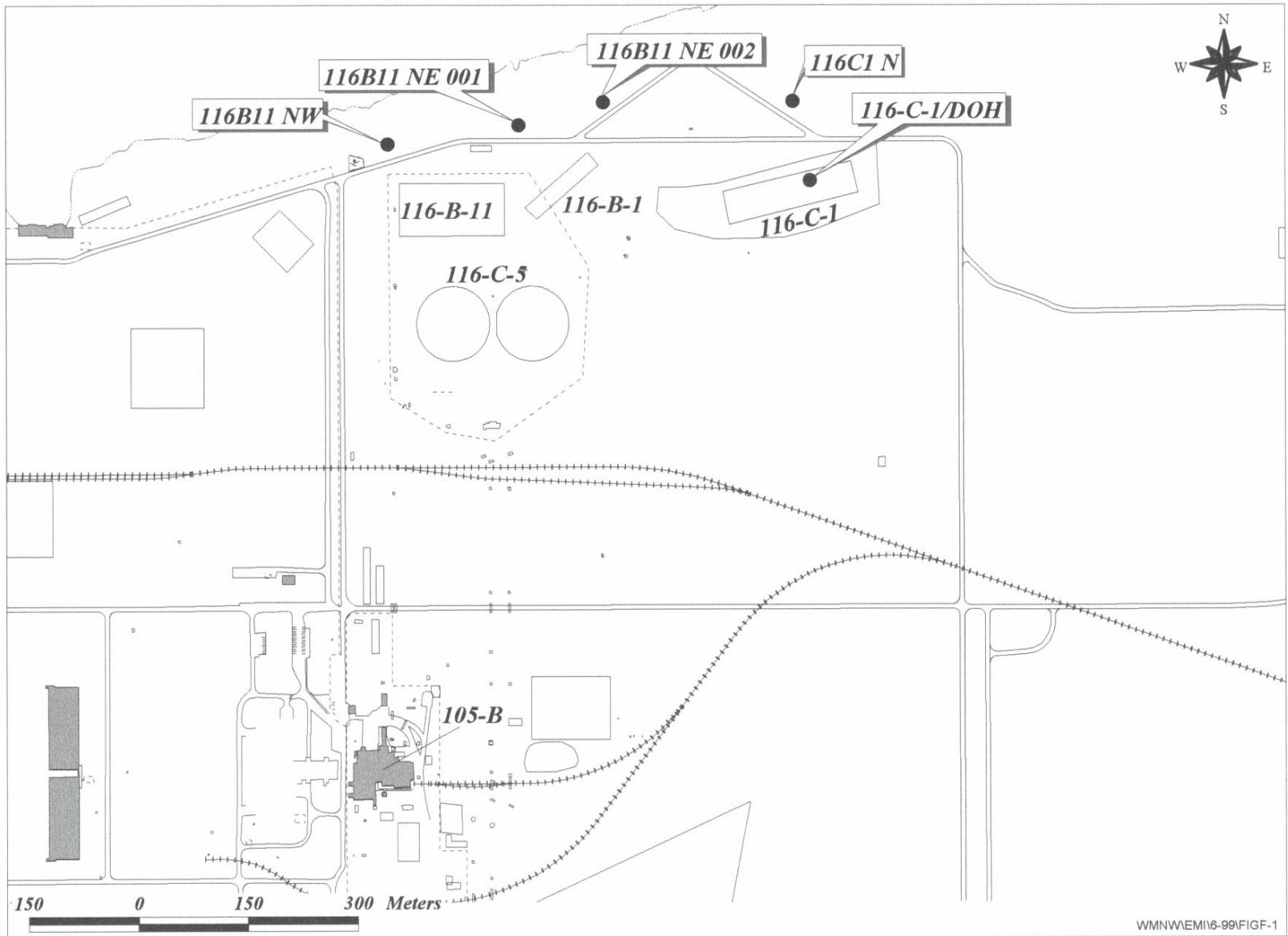
e - ERDF = Environmental Restoration Disposal Facility.

Significant observations from external radiation level monitoring in 2002 included:

212-R. One TLD was placed at the 212-R Railroad Car Disposition Area in 200 North Area. This dosimeter was placed in close proximity to a radiation area erected to provide an administrative barrier in a 1 mrem/hr radiation field. The normalized dose rate averaged 3,200 mrem/yr during 2002, an increase of 38% compared to levels measured in 2001. Dose rates measured at this location exceeded the DOE annual external dose limit to members of the public (100 mrem/yr); however, no member of the public, or a Hanford worker would conceivably spend an entire year at 212-R.

Maps illustrating TLD locations in 2002 are provided in Figures 4-1 through 4-10. Individual TLD results for 2002 are provided in Table 4-2.

Figure 4-1. 2002 Thermoluminescent Dosimeter Locations, 100-B/C Area.



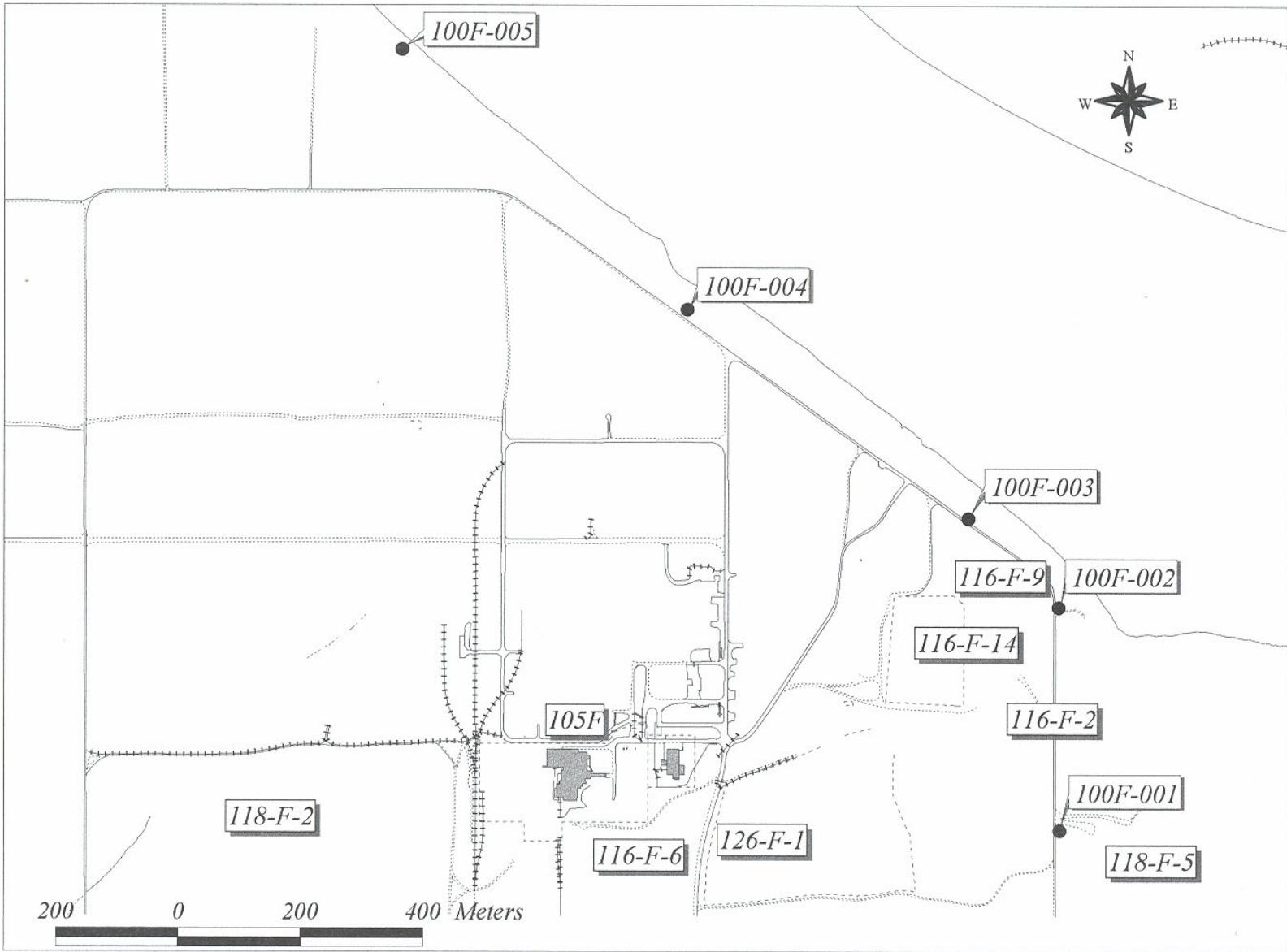


Figure 4-2. 2002 Thermoluminescent Dosimeter Locations, 100-F Area.

Figure 4-3. 2002 Thermoluminescent Dosimeter Locations, 100-K Area,
Cold Vacuum Drying Facility and 100-KR-1.

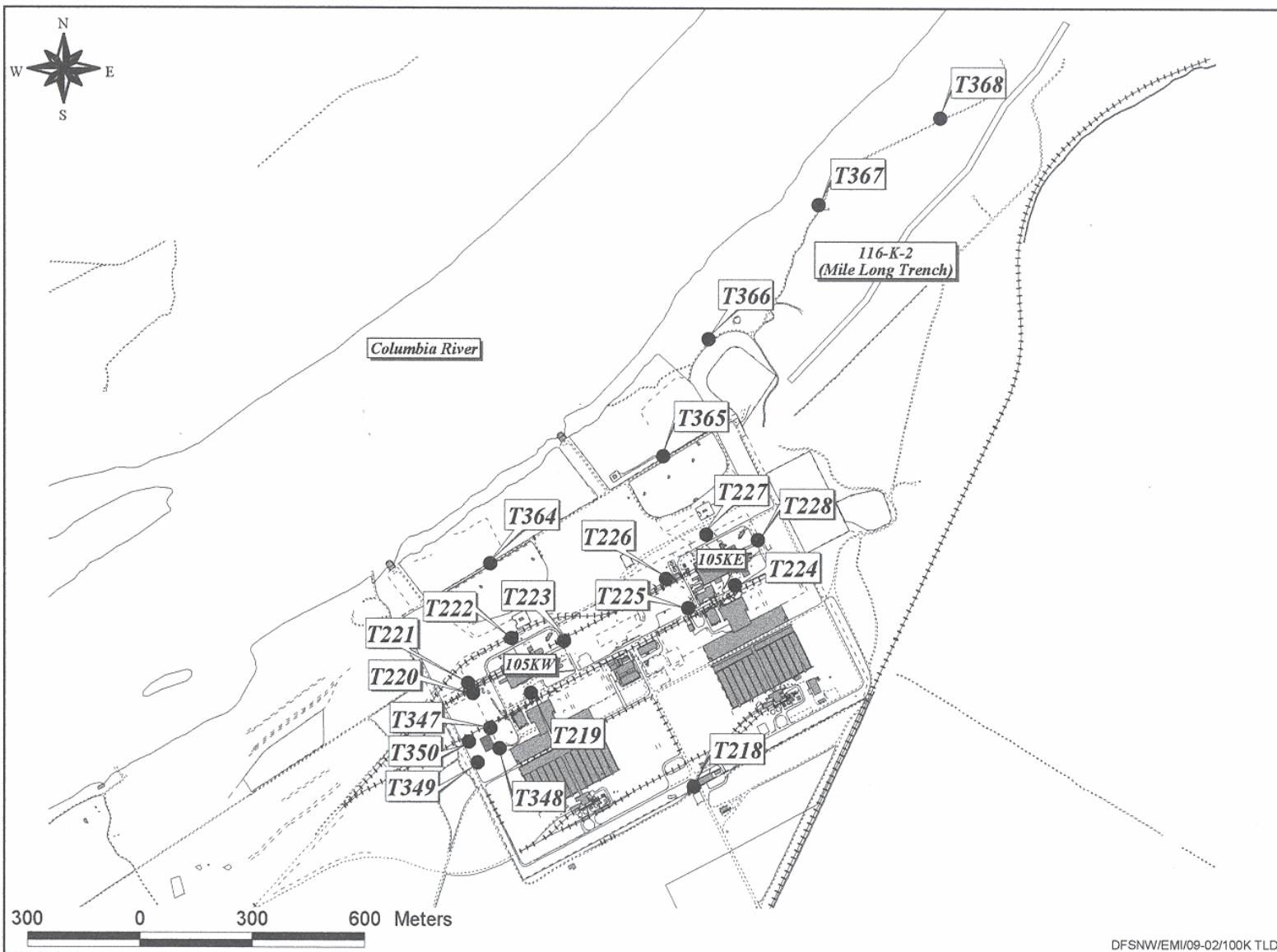
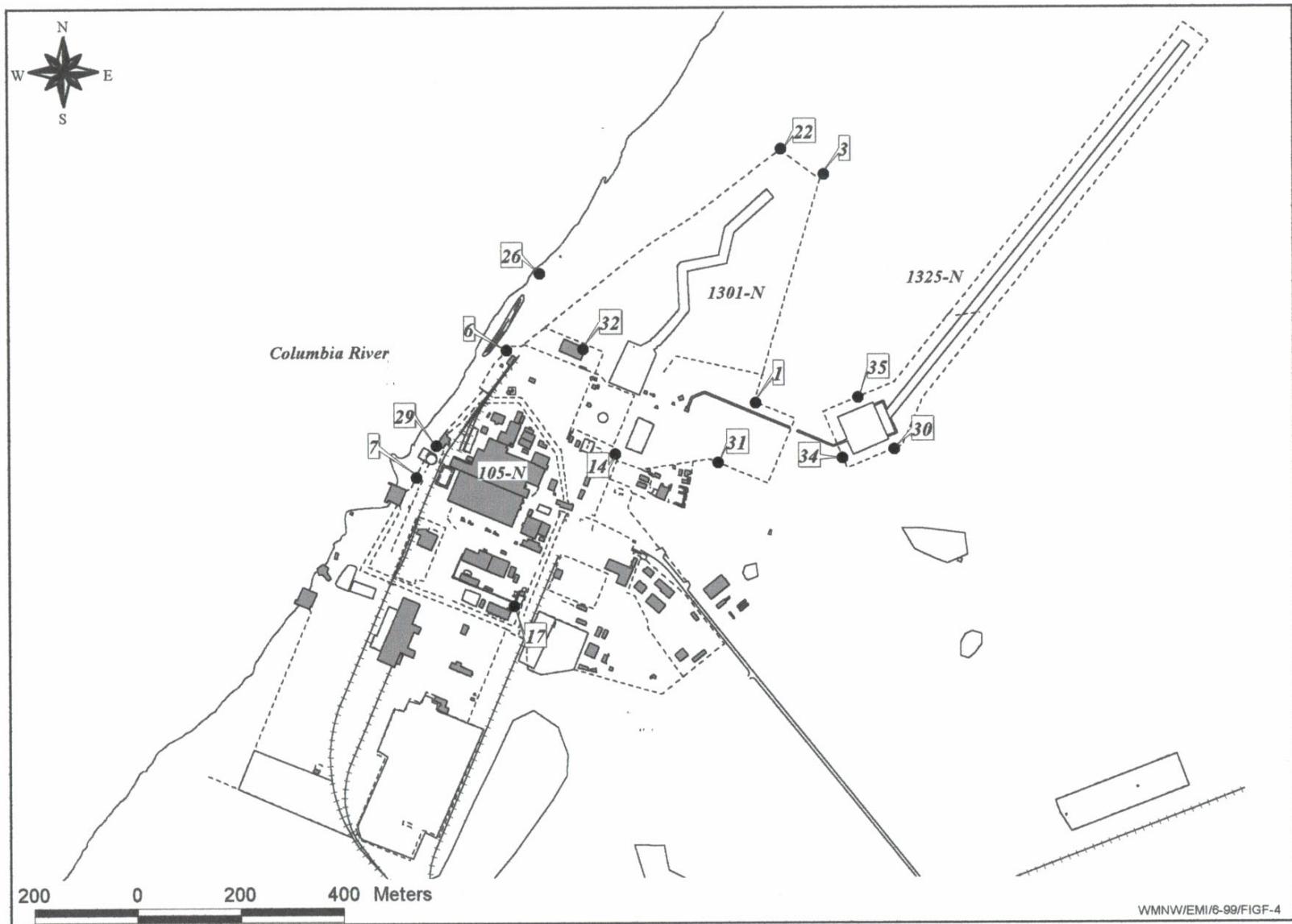


Figure 4-4. 2002 Thermoluminescent Dosimeter Locations, 100-N Area.



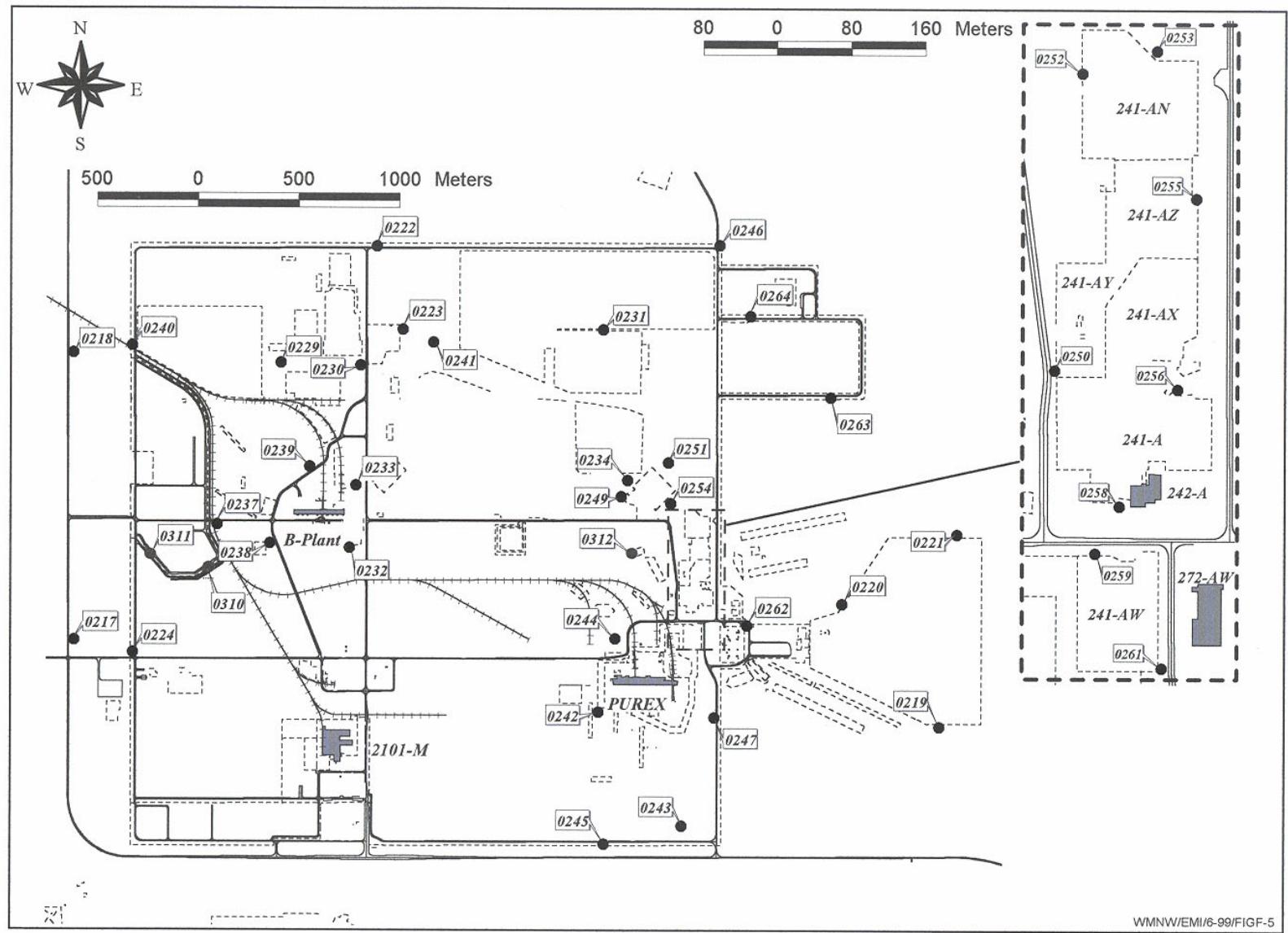


Figure 4-5. 2002 Thermoluminescent Dosimeter Locations, 200 East Area.

Figure 4-6. 2002 Thermoluminescent Dosimeter Locations, 200 West Area.

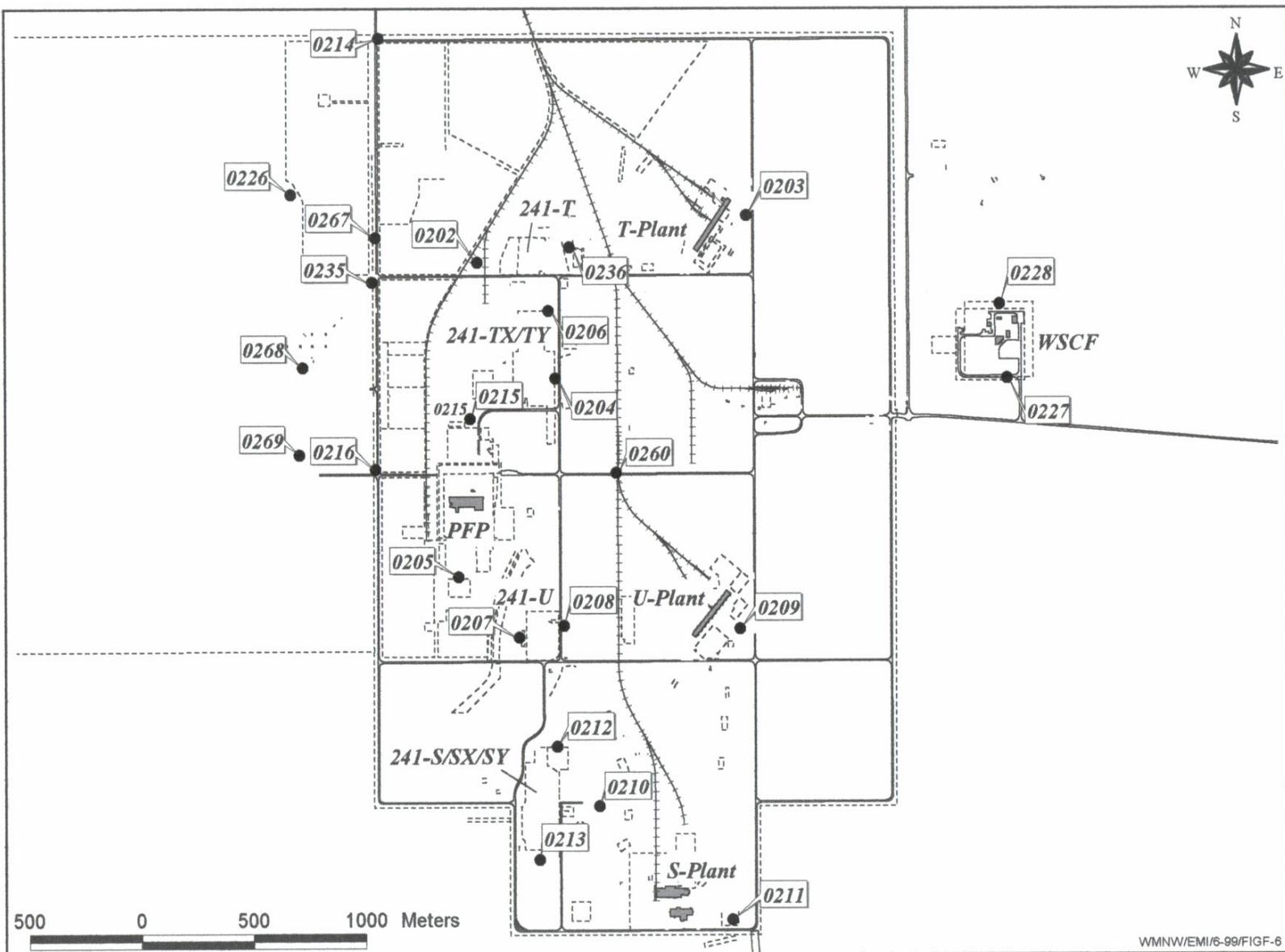


Figure 4-7. 2002 Thermoluminescent Dosimeter Locations, 200 North Area.

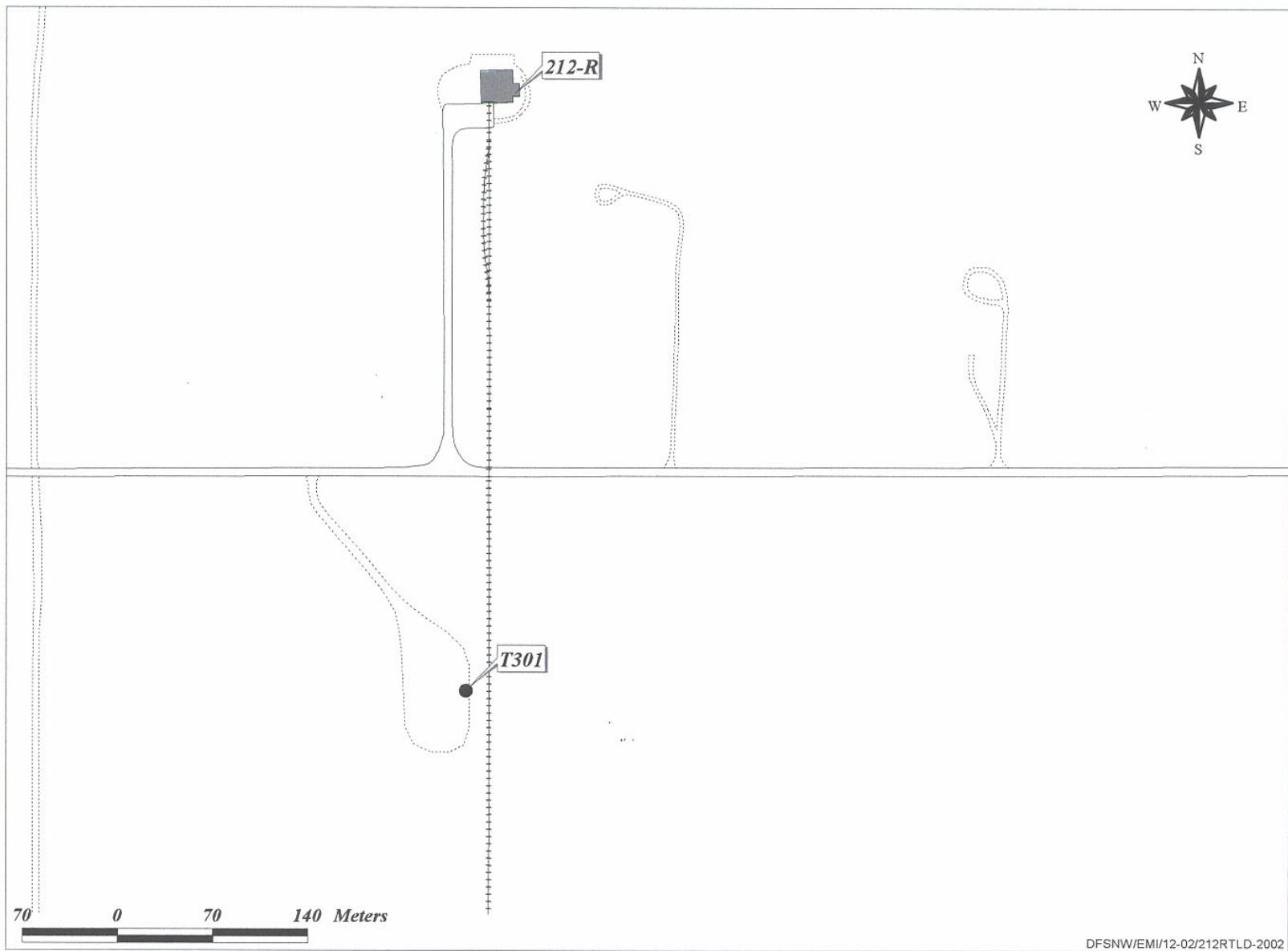


Figure 4-8. 2002 Thermoluminescent Dosimeter Locations, 300 Area
Treated Effluent Disposal Facility and 300 Area.

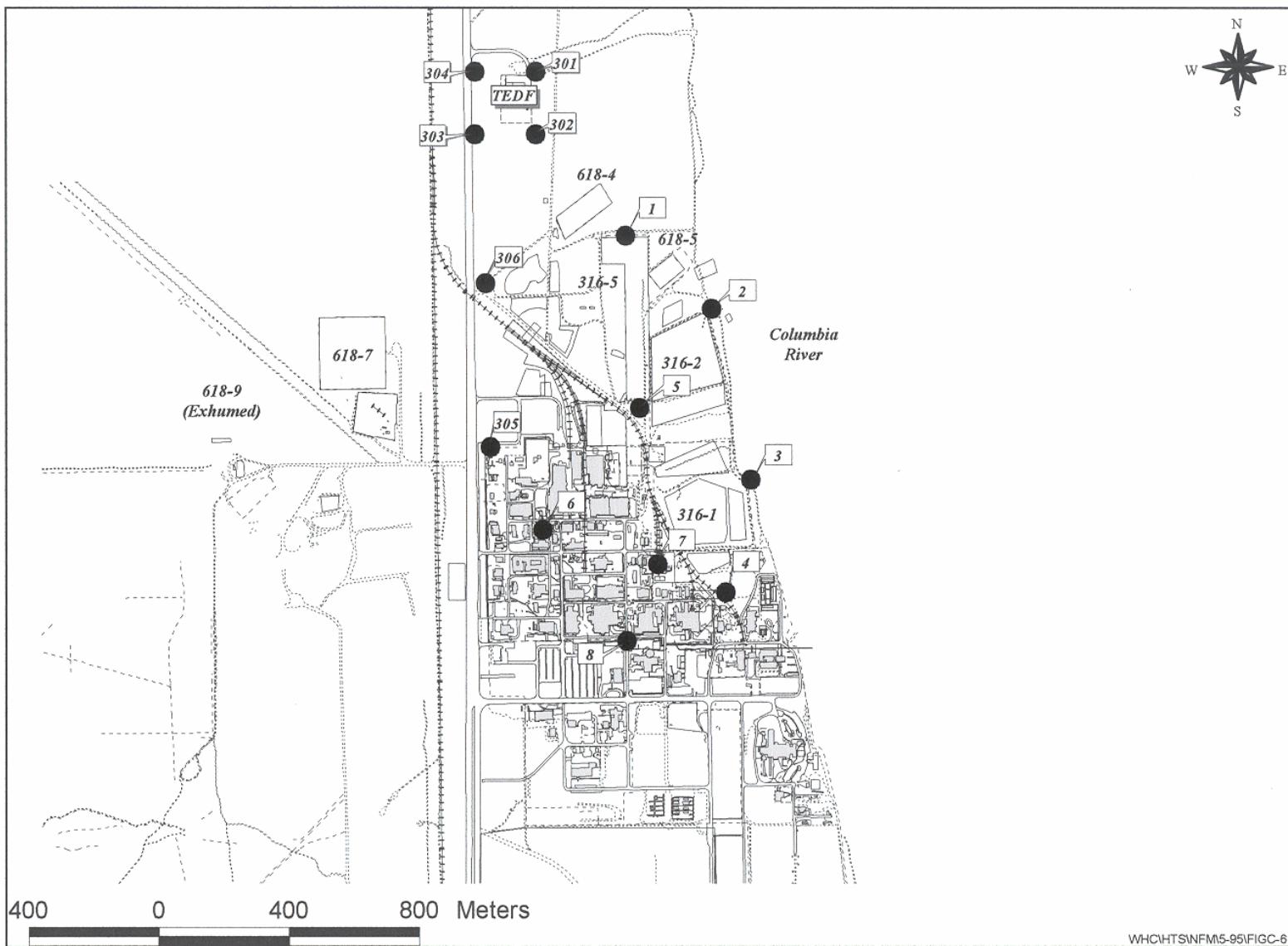
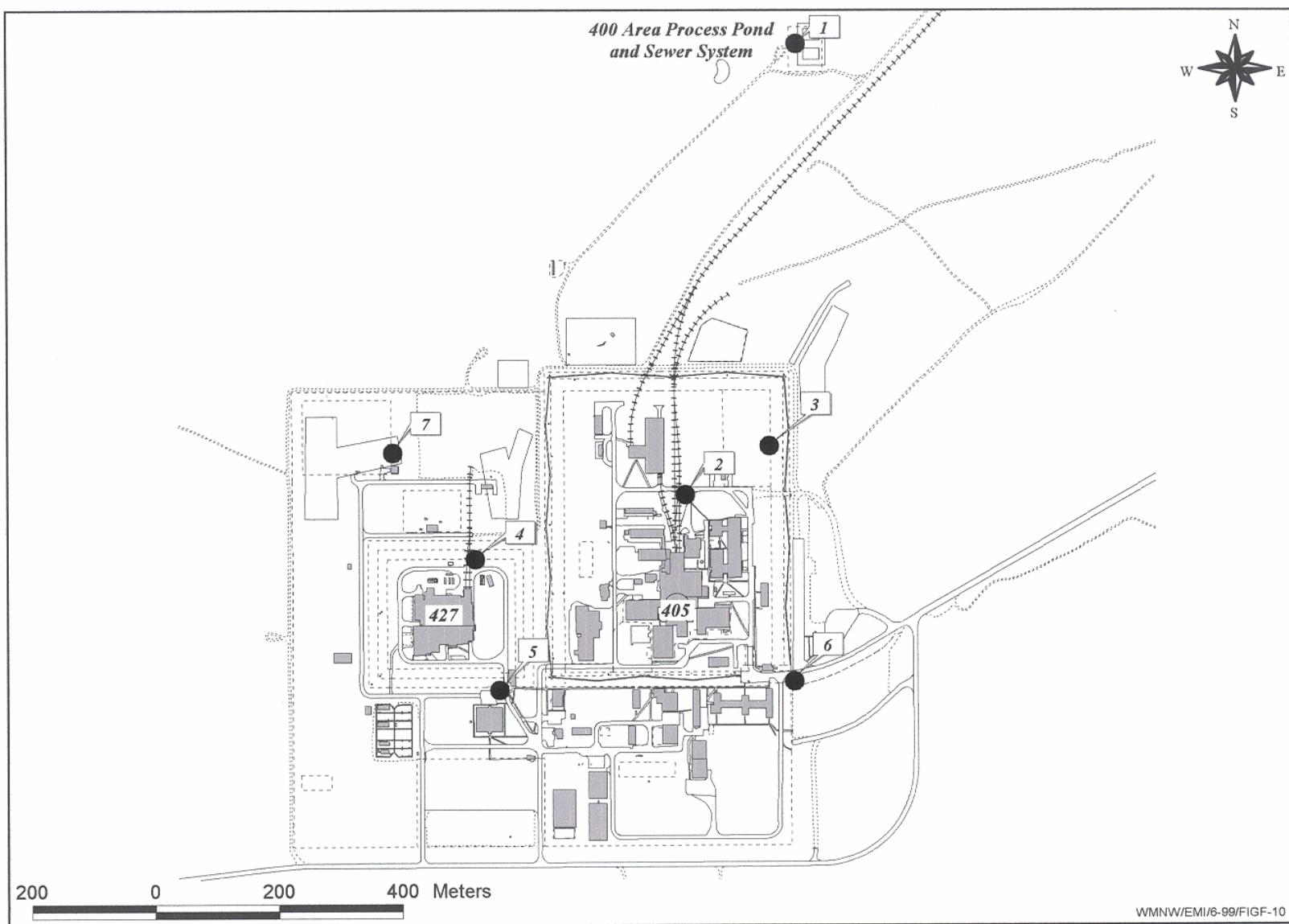


Figure 4-9. 2002 Thermoluminescent Dosimeter Locations, 400 Area.



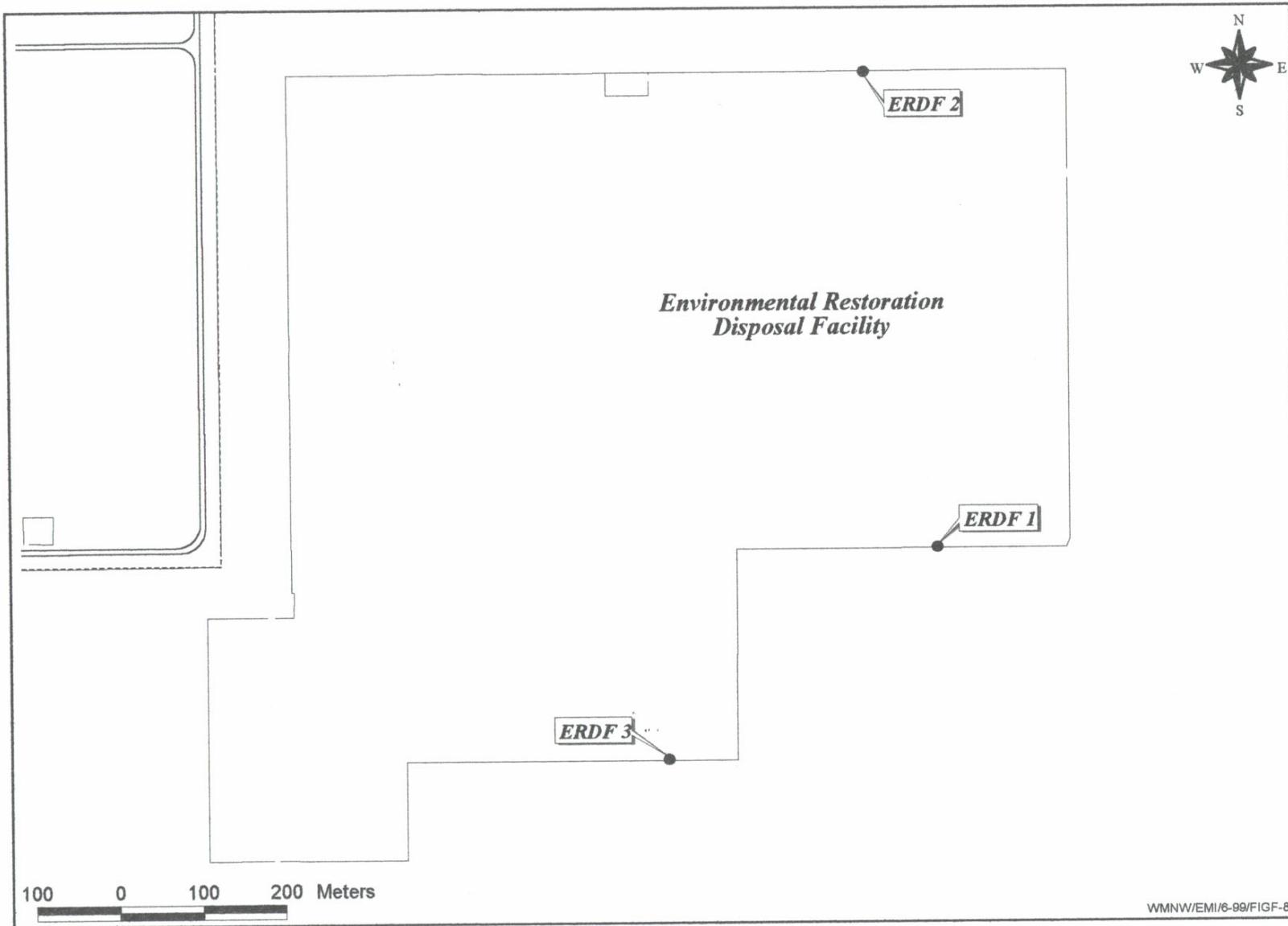


Figure 4-10. 2002 Thermoluminescent Dosimeter Locations, Environmental Restoration Disposal Facility.

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002.

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
100-B/C Area 1st Quarter '02	T200	0.01	0.26	24.3	96	92
	T201	0.01	0.24	22.5	89	92
	T202	0.01	0.23	21.3	85	92
	T203	0.01	0.23	20.9	83	92
	T204	0.01	0.23	21.1	84	92
100-B/C Area 2nd Quarter '02	T200	0.01	0.25	22.1	90	90
	T201	0.01	0.23	20.3	82	90
	T202	0.01	0.22	19.6	79	90
	T203	0.01	0.22	19.5	79	90
	T204	0.01	0.22	19.8	80	90
100-B/C Area 3rd Quarter '02	T200	0.01	0.24	22.9	88	95
	T201	0.01	0.24	22.7	87	95
	T202	0.01	0.24	22.7	87	95
	T203	0.01	0.22	21.2	81	95
	T204	0.01	0.22	21.3	82	95
100-B/C Area 4th Quarter '02	T200	0.01	0.27	21.6	99	80
	T201	0.01	0.24	19.6	89	80
	T202	0.01	0.25	19.8	90	80
	T203	0.01	0.24	19.0	87	80
	T204	NR	NR	NR	NR	NR
100-B/C Area, Annual Average ± 2 Standard Deviation (2SD)						
EDP Code	mrem/hr	±	2SD	mrem/day	±	2SD
T200	0.01	±	0.001	0.25	±	0.03
T201	0.01	±	0.001	0.24	±	0.02
T202	0.01	±	0.001	0.23	±	0.03
T203	0.01	±	0.001	0.23	±	0.02
T204	0.01	±	0.000	0.22	±	0.01
						2SD
						93 ± 10
						87 ± 7
						85 ± 9
						82 ± 7
						82 ± 3
mrem/yr						

NR = Not returned to the laboratory for analysis.

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
100-F Area 1st Quarter '02	T210	0.01	0.24	21.7	86	92
	T211	0.01	0.23	21.2	84	92
	T212	0.01	0.23	21.6	86	92
	T213	0.01	0.23	21.3	85	92
	T214	0.01	0.25	22.8	91	92
100-F Area 2nd Quarter '02	T210	0.01	0.23	21.1	85	90
	T211	0.01	0.24	21.3	86	90
	T212	0.01	0.24	21.5	87	90
	T213	0.01	0.22	19.5	79	90
	T214	0.01	0.25	22.9	93	90
100-F Area 3rd Quarter '02	T210	0.01	0.24	22.3	86	95
	T211	0.01	0.21	20.4	79	95
	T212	0.01	0.22	20.9	80	95
	T213	0.01	0.22	20.7	80	95
	T214	0.01	0.25	23.7	91	95
100-F Area 4th Quarter '02	T210	0.01	0.24	19.7	88	82
	T211	0.01	0.24	20.0	89	82
	T212	0.01	0.25	20.2	90	82
	T213	0.01	0.22	18.3	81	82
	T214	0.01	0.27	22.0	98	82

100-F Area, Annual Average \pm 2 Standard Deviation (2SD)

EDP Code	mrem/hr \pm 2SD	mrem/day \pm 2SD	mrem/qtr \pm 2SD	mrem/yr \pm 2SD
T210	0.01 \pm 0.000	0.24 \pm 0.01	21.5 \pm 0.5	86 \pm 2
T211	0.01 \pm 0.001	0.23 \pm 0.02	21.1 \pm 2.2	84 \pm 9
T212	0.01 \pm 0.001	0.23 \pm 0.02	21.4 \pm 2.1	86 \pm 8
T213	0.01 \pm 0.001	0.22 \pm 0.01	20.3 \pm 1.2	81 \pm 5
T214	0.01 \pm 0.001	0.25 \pm 0.02	23.2 \pm 1.8	93 \pm 7

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
100-K Area 1st Quarter '02	T218	0.01	0.21	19.5	77	92
	T219	0.01	0.23	21.1	84	92
	T220	0.01	0.24	21.7	86	92
	T221	0.01	0.25	22.8	91	92
	T222	0.01	0.28	25.8	102	92
	T223	0.01	0.23	20.9	83	92
	T224	0.01	0.28	25.3	100	92
	T225	0.05	1.30	120.0	476	92
	T226	0.01	0.33	30.2	120	92
	T227	0.02	0.50	45.6	181	92
	T228	0.01	0.26	23.9	95	92
100-K Area 2nd Quarter '02	T218	0.01	0.20	18.4	75	90
	T219	0.01	0.23	20.5	83	90
	T220	0.01	0.23	20.5	83	90
	T221	0.01	0.25	22.3	91	90
	T222	0.01	0.30	27.0	110	90
	T223	0.01	0.21	19.0	77	90
	T224	0.01	0.24	21.8	89	90
	T225	0.06	1.32	118.8	482	90
	T226	0.01	0.28	25.2	102	90
	T227	0.02	0.40	35.9	146	90
	T228	0.01	0.23	20.8	84	90
100-K Area 3rd Quarter '02	T218	0.01	0.21	20.0	77	95
	T219	0.01	0.22	20.8	80	95
	T220	0.01	0.24	22.5	87	95
	T221	0.01	0.25	23.8	91	95
	T222	0.01	0.34	32.3	124	95
	T223	0.01	0.21	20.1	77	95
	T224	0.01	0.24	22.8	88	95
	T225	0.04	0.97	91.9	353	95
	T226	0.01	0.29	27.6	106	95
	T227	0.02	0.40	37.9	146	95
	T228	0.01	0.23	22.1	85	95

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
100-K Area 4th Quarter '02	T218	0.01	0.23	18.4	84	80
	T219	0.01	0.24	19.0	87	80
	T220	0.01	0.27	21.3	97	80
	T221	0.01	0.27	21.4	98	80
	T222	0.02	0.37	29.8	136	80
	T223	0.01	0.21	17.1	78	80
	T224	0.01	0.24	19.2	87	80
	T225	0.05	1.24	98.9	451	80
	T226	0.01	0.30	23.7	108	80
	T227	0.02	0.39	30.9	141	80
	T228	0.01	0.25	19.8	91	80
100-K Area, Annual Average ± 2 Standard Deviation (2SD)						
EDP Code	mrem/hr ± 2SD	mrem/day ± 2SD	mrem/qtr ± 2SD	mrem/yr ± 2SD		
T218	0.01 ± 0.001	0.21 ± 0.02	19.5 ± 2.0	78 ± 8		
T219	0.01 ± 0.001	0.23 ± 0.02	20.8 ± 1.4	83 ± 6		
T220	0.01 ± 0.001	0.24 ± 0.03	22.0 ± 3.1	88 ± 12		
T221	0.01 ± 0.001	0.25 ± 0.02	23.1 ± 1.7	92 ± 7		
T222	0.01 ± 0.003	0.32 ± 0.08	29.4 ± 7.5	117 ± 30		
T223	0.01 ± 0.001	0.22 ± 0.02	19.7 ± 1.4	79 ± 6		
T224	0.01 ± 0.001	0.25 ± 0.03	22.8 ± 3.1	91 ± 12		
T225	0.05 ± 0.014	1.20 ± 0.33	109.8 ± 30	439 ± 120		
T226	0.01 ± 0.002	0.30 ± 0.04	27.3 ± 3.8	109 ± 15		
T227	0.02 ± 0.004	0.42 ± 0.10	38.4 ± 9.3	154 ± 37		
T228	0.01 ± 0.001	0.24 ± 0.03	22.1 ± 2.5	88 ± 10		

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
CVDF (100-K Area)	T347	0.01	0.22	20.3	81	92
1st Quarter '02	T348	0.01	0.23	21.6	86	92
	T349	0.01	0.21	19.4	77	92
	T350	0.01	0.22	20.2	80	92
CVDF (100-K Area)	T347	0.01	0.21	19.0	77	90
2nd Quarter '02	T348	0.01	0.22	19.7	80	90
	T349	0.01	0.21	19.3	78	90
	T350	0.01	0.19	17.5	71	90
CVDF (100-K Area)	T347	0.01	0.21	19.8	76	95
3rd Quarter '02	T348	0.01	0.22	21.0	81	95
	T349	0.01	0.21	19.8	76	95
	T350	0.01	0.21	20.4	78	95
CVDF (100-K Area)	T347	0.01	0.23	18.2	83	80
4th Quarter '02	T348	0.01	0.24	18.9	86	80
	T349	0.01	0.21	17.0	78	80
	T350	0.01	0.22	17.6	81	80
CVDF, Annual Average \pm 2 Standard Deviation (2SD)						
EDP Code	mrem/hr \pm 2SD	mrem/day \pm 2SD	mrem/qtr \pm 2SD	mrem/yr \pm 2SD		
T347	0.01 \pm 0.001	0.22 \pm 0.02	19.7 \pm 1.6	79 \pm 6		
T348	0.01 \pm 0.001	0.23 \pm 0.02	20.7 \pm 1.7	83 \pm 7		
T349	0.01 \pm 0.000	0.21 \pm 0.01	19.3 \pm 0.5	77 \pm 2		
T350	0.01 \pm 0.001	0.21 \pm 0.02	19.4 \pm 2.2	77 \pm 9		

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
100-KR-1 (100-K Area) 4th Quarter '02	T364	0.01	0.25	20.1	91	81
	T365	0.01	0.22	18.2	82	81
	T366	0.01	0.28	22.7	102	81
	T367	0.01	0.27	22.1	100	81
	T368	0.01	0.29	23.6	106	81
100-KR-1, Annual Average \pm 2 Standard Deviation (2SD)						
EDP Code	mrem/hr \pm 2SD	mrem/day \pm 2SD	mrem/qtr \pm 2SD	mrem/yr \pm 2SD		
T364	0.01 \pm 0.000	0.2484 \pm 0	22.7 \pm 0	91 \pm 0		
T365	0.01 \pm 0.000	0.2247 \pm 0	20.5 \pm 0	82 \pm 0		
T366	0.01 \pm 0.000	0.2801 \pm 0	25.6 \pm 0	102 \pm 0		
T367	0.01 \pm 0.000	0.2732 \pm 0	24.9 \pm 0	100 \pm 0		
T368	0.01 \pm 0.000	0.2914 \pm 0	26.6 \pm 0	106 \pm 0		

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
100-N Area 1st Quarter '02	T229	0.02	0.49	59.6	180	121
	T231	0.02	0.38	35.0	139	92
	T234	0.01	0.32	29.5	117	92
	T235	0.03	0.62	56.6	225	92
	T240	0.02	0.52	47.5	189	92
	T243	0.01	0.22	19.8	79	92
	T245	0.02	0.42	39.0	155	92
	T246	0.01	0.30	27.2	108	92
	T248	0.04	0.93	85.1	338	92
	T249	0.13	3.07	282.0	1119	92
	T250	0.01	0.33	30.6	121	92
	T251	0.01	0.34	31.6	125	92
100-N Area 2nd Quarter '02	T253	0.08	1.84	169.0	671	92
	T254	0.05	1.17	108.0	429	92
	T229	0.02	0.44	26.6	159	61
	T231	0.02	0.40	35.8	145	90
	T234	0.01	0.29	26	106	90
	T235	0.03	0.60	54.4	221	90
	T240	0.02	0.44	39.8	161	90
	T243	0.01	0.21	18.6	75	90
	T245	0.02	0.46	41.3	167	90
	T246	0.01	0.28	25.2	102	90
	T248	0.04	0.87	77.9	316	90
	T249	0.12	2.84	255.7	1037	90
100-N Area 3rd Quarter '02	T250	0.01	0.29	26.3	107	90
	T251	0.01	0.26	23.4	95	90
	T253	0.07	1.80	161.7	656	90
	T254	0.05	1.19	106.9	434	90
	T229	0.02	0.47	44.4	171	95
	T231	0.02	0.41	38.7	149	95
	T234	0.01	0.31	29.8	115	95
	T235	0.02	0.58	55.5	213	95
	T240	0.02	0.45	42.4	163	95
	T243	0.01	0.21	19.6	75	95
	T245	0.02	0.45	42.6	164	95
	T246	0.01	0.29	27.4	105	95
	T248	0.04	0.91	86.4	332	95
	T249	0.11	2.53	240.2	923	95
	T250	0.01	0.30	28.8	111	95
	T251	0.01	0.31	29.8	115	95
	T253	0.08	1.83	173.7	667	95
	T254	0.05	1.11	105.6	406	95

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
100-N Area	T229	0.02	0.44	35.5	160	81
4th Quarter '02	T231	0.02	0.41	32.9	148	81
	T234	0.01	0.32	26.2	118	81
	T235	0.02	0.60	48.3	218	81
	T240	0.02	0.47	37.8	170	81
	T243	0.01	0.21	17.4	78	81
	T245	0.02	0.48	39.1	176	81
	T246	0.01	0.31	25	113	81
	T248	0.04	0.88	70.9	320	81
	T249	0.13	3.02	244.4	1102	81
	T250	0.01	0.32	25.9	117	81
	T251	0.01	0.30	24.5	110	81
	T253	0.07	1.74	140.8	634	81
	T254	0.04	1.02	82.9	374	81
100-N Area, Annual Average \pm 2 Standard Deviation (2SD)						
EDP Code	mrem/hr \pm 2SD	mrem/day \pm 2SD	mrem/qtr \pm 2SD	mrem/yr \pm 2SD		
T229	0.02 \pm 0.002	0.46 \pm 0.05	42.3 \pm 4.9	169 \pm 20		
T231	0.02 \pm 0.001	0.40 \pm 0.02	36.3 \pm 2.3	145 \pm 9		
T234	0.01 \pm 0.001	0.31 \pm 0.03	28.4 \pm 2.8	114 \pm 11		
T235	0.03 \pm 0.001	0.60 \pm 0.03	54.8 \pm 2.4	219 \pm 9		
T240	0.02 \pm 0.003	0.47 \pm 0.07	42.7 \pm 6.2	171 \pm 25		
T243	0.01 \pm 0.000	0.21 \pm 0.01	19.2 \pm 0.9	77 \pm 4		
T245	0.02 \pm 0.002	0.45 \pm 0.05	41.3 \pm 4.4	165 \pm 18		
T246	0.01 \pm 0.001	0.29 \pm 0.02	26.7 \pm 2.2	107 \pm 9		
T248	0.04 \pm 0.002	0.90 \pm 0.06	81.7 \pm 5.1	327 \pm 20		
T249	0.12 \pm 0.020	2.86 \pm 0.49	261 \pm 44	1042 \pm 178		
T250	0.01 \pm 0.002	0.31 \pm 0.04	28.4 \pm 3.3	114 \pm 13		
T251	0.01 \pm 0.003	0.31 \pm 0.07	27.9 \pm 6.4	111 \pm 25		
T253	0.08 \pm 0.004	1.80 \pm 0.09	164 \pm 8.2	658 \pm 33		
T254	0.05 \pm 0.006	1.13 \pm 0.15	103 \pm 14	411 \pm 55		

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
200 East Area	T259	0.01	0.23	22.7	85	98
1st Quarter '02	T260	0.01	0.22	21.8	81	98
	T261	0.01	0.24	24.1	89	99
	T262	0.01	0.24	23.5	87	99
	T263	0.01	0.23	22.7	84	99
	T264	0.01	0.31	30.5	113	99
	T265	0.01	0.31	30.8	114	99
	T266	0.01	0.23	23.1	85	99
	T267	0.01	0.26	25.7	95	99
	T268	0.01	0.35	34.8	128	99
	T269	0.01	0.25	24.5	90	99
	T270	0.02	0.37	36.3	134	99
	T271	0.01	0.24	24.1	89	99
	T272	0.01	0.30	29.4	108	99
	T273	0.01	0.22	22.1	82	99
	T274	0.01	0.25	24.5	90	99
	T275	0.01	0.24	23.5	87	99
	T276	0.01	0.22	23.1	81	104
	T277	0.01	0.26	25.3	93	99
	T278	0.01	0.25	25.2	93	99
	T279	0.01	0.26	25.4	94	99
	T280	0.01	0.22	21.7	80	99
	T281	0.01	0.23	23.0	85	99
	T282	0.01	0.24	23.5	87	99
	T283	0.01	0.23	23.2	86	99
	T284	0.01	0.30	29.3	108	99
	T285	0.03	0.63	61.9	228	99
	T286	0.02	0.36	36.0	133	99
	T287	0.05	1.28	127.0	468	99
	T288	0.03	0.68	66.9	247	99
	T289	0.02	0.41	40.2	148	99
	T290	0.02	0.37	36.7	135	99
	T291	0.02	0.46	45.9	169	99
	T292	0.03	0.75	73.8	272	99
	T293	0.02	0.51	50.0	184	99
	T294	0.01	0.28	27.8	103	99
	T295	0.01	0.32	31.9	118	99
	T296	0.01	0.26	26.1	96	99
	T297	0.01	0.24	24.0	89	99
	T298	0.01	0.22	22.0	81	99
	T299	0.01	0.22	21.3	79	99
	T300	0.01	0.26	25.8	95	99

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
200 East Area	T259	0.01	0.23	19.5	85	84
2nd Quarter '02	T260	0.01	0.21	17.8	77	84
	T261	0.01	0.21	17.5	77	83
	T262	0.01	0.23	19.0	83	83
	T263	0.01	0.24	19.7	87	83
	T264	0.01	0.31	25.3	111	83
	T265	0.01	0.31	26.0	114	83
	T266	0.01	0.23	19.1	84	83
	T267	0.01	0.25	20.4	90	83
	T268	0.01	0.32	26.8	118	83
	T269	0.01	0.25	20.9	92	83
	T270	0.01	0.35	29.3	129	83
	T271	0.01	0.25	20.7	91	83
	T272	0.01	0.29	24.0	106	83
	T273	0.01	0.23	19.2	85	83
	T274	0.01	0.23	19.4	85	83
	T275	0.01	0.24	19.7	87	83
	T276	0.01	0.24	18.6	87	78
	T277	0.01	0.25	20.7	91	83
	T278	0.01	0.23	19.0	84	83
	T279	0.01	0.22	18.3	80	83
	T280	0.01	0.23	19.5	86	83
	T281	0.01	0.23	18.9	83	83
	T282	0.01	0.24	19.5	86	83
	T283	0.01	0.24	20.3	89	83
	T284	0.01	0.28	23.6	104	83
	T285	0.03	0.65	54.2	236	84
	T286	0.02	0.37	30.9	136	83
	T287	0.02	0.40	33.8	147	84
	T288	0.03	0.83	69.4	302	84
	T289	0.02	0.38	31.1	137	83
	T290	0.02	0.37	30.9	134	84
	T291	0.02	0.48	40.3	175	84
	T292	0.03	0.73	60.7	267	83
	T293	0.01	0.29	23.7	104	83
	T294	0.01	0.28	23.2	102	83
	T295	0.01	0.26	22.0	97	83
	T296	0.01	0.24	20.3	89	83
	T297	0.01	0.24	19.7	87	83
	T298	0.01	0.22	18.6	82	83
	T299	0.01	0.22	18.6	82	83
	T300	0.01	0.27	22.3	98	83

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
200 East Area	T259	0.01	0.23	22.6	85	97
3rd Quarter '02	T260	0.01	0.22	20.9	79	97
	T261	0.01	0.22	21.1	80	96
	T262	0.01	0.24	22.6	86	96
	T263	0.01	0.24	22.6	86	96
	T264	0.01	0.31	30.2	114	97
	T265	0.01	0.31	30.2	114	97
	T266	0.01	0.23	22.6	85	97
	T267	0.01	0.24	23.6	89	97
	T268	0.01	0.32	31.1	117	97
	T269	0.01	0.24	23.2	87	97
	T270	0.02	0.37	35.5	134	97
	T271	0.01	0.24	23.2	87	97
	T272	0.01	0.30	28.8	108	97
	T273	0.01	0.20	19.9	75	97
	T274	0.01	0.24	22.9	86	97
	T275	0.01	0.25	24.5	92	97
	T276	0.01	0.21	20.4	77	97
	T277	0.01	0.25	24.1	91	97
	T278	0.01	0.23	22.7	85	97
	T279	0.01	0.23	22.4	84	97
	T280	0.01	0.22	21.3	80	97
	T281	0.01	0.23	22.3	84	97
	T282	0.01	0.22	21.2	80	97
	T283	0.01	0.23	22.3	84	97
	T284	0.01	0.27	26.3	99	97
	T285	0.02	0.58	55.3	210	96
	T286	0.02	0.36	34.8	131	97
	T287	0.02	0.41	39.3	149	96
	T288	0.03	0.70	66.8	254	96
	T289	0.02	0.39	37.5	141	97
	T290	0.01	0.35	33.7	128	96
	T291	0.02	0.46	44.1	168	96
	T292	0.03	0.74	71.7	270	97
	T293	0.01	0.28	27.3	103	97
	T294	0.01	0.31	30.2	114	97
	T295	0.01	0.23	21.9	82	97
	T296	0.01	0.25	24.1	91	97
	T297	0.01	0.22	21.6	81	97
	T298	0.01	0.22	21.7	82	97
	T299	0.01	0.21	20.1	76	97
	T300	0.01	0.24	23.3	88	97

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
200 East Area	T259	0.01	0.22	19.1	82	85
4th Quarter '02	T260	0.01	0.22	18.7	80	85
	T261	0.01	0.24	21.0	89	86
	T262	0.01	0.25	21.1	90	86
	T263	0.01	0.25	21.3	90	86
	T264	0.01	0.32	26.9	115	85
	T265	0.01	0.30	25.5	109	85
	T266	0.01	0.23	19.6	84	85
	T267	0.01	0.26	21.7	93	85
	T268	0.01	0.34	29.0	125	85
	T269	0.01	0.26	22.1	95	85
	T270	0.01	0.36	30.3	130	85
	T271	0.01	0.25	21.2	91	85
	T272	0.01	0.29	24.6	106	85
	T273	0.01	0.23	19.3	83	85
	T274	0.01	0.24	20.5	88	85
	T275	0.01	0.25	21.4	92	85
	T276	0.01	0.23	19.3	83	85
	T277	0.01	0.25	21.3	91	85
	T278	0.01	0.24	20.0	86	85
	T279	0.01	0.23	19.5	84	85
	T280	0.01	0.23	19.8	85	85
	T281	0.01	0.23	20.0	86	85
	T282	0.01	0.23	19.8	85	85
	T283	0.01	0.23	19.9	85	85
	T284	0.01	0.29	24.6	106	85
	T285	0.02	0.55	46.4	199	85
	T286	0.02	0.38	32.0	138	85
	T287	0.01	0.29	24.6	106	85
	T288	0.02	0.42	35.5	152	85
	T289	0.02	0.39	32.9	141	85
	T290	0.01	0.31	26.3	113	85
	T291	0.02	0.45	38.5	165	85
	T292	0.04	0.96	81.8	351	85
	T293	0.01	0.30	25.4	109	85
	T294	0.03	0.70	59.1	254	85
	T295	0.01	0.23	19.4	83	85
	T296	0.01	0.25	21.0	90	85
	T297	0.01	0.23	19.9	85	85
	T298	0.01	0.23	19.3	83	85
	T299	0.01	0.25	21.0	90	85
	T300	0.01	0.25	21.0	90	85

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

200 East Area, Annual Average \pm 2 Standard Deviation (2SD)				
EDP Code	mrem/hr \pm 2SD	mrem/day \pm 2SD	mrem/qtr \pm 2SD	mrem/yr \pm 2SD
T259	0.01 \pm 0.000	0.23 \pm 0.01	21.0 \pm 0.7	84 \pm 3
T260	0.01 \pm 0.000	0.22 \pm 0.01	19.9 \pm 0.8	79 \pm 3
T261	0.01 \pm 0.001	0.23 \pm 0.03	21.0 \pm 3.1	84 \pm 12
T262	0.01 \pm 0.001	0.24 \pm 0.01	21.6 \pm 1.3	86 \pm 5
T263	0.01 \pm 0.001	0.24 \pm 0.01	21.6 \pm 1.3	86 \pm 5
T264	0.01 \pm 0.000	0.31 \pm 0.01	28.3 \pm 0.9	113 \pm 3
T265	0.01 \pm 0.001	0.31 \pm 0.01	28.2 \pm 1.2	113 \pm 5
T266	0.01 \pm 0.000	0.23 \pm 0.00	21.2 \pm 0.3	85 \pm 1
T267	0.01 \pm 0.001	0.25 \pm 0.02	22.9 \pm 1.4	92 \pm 6
T268	0.01 \pm 0.001	0.33 \pm 0.03	30.5 \pm 2.7	122 \pm 11
T269	0.01 \pm 0.001	0.25 \pm 0.02	22.7 \pm 1.5	91 \pm 6
T270	0.02 \pm 0.001	0.36 \pm 0.01	33.0 \pm 1.2	132 \pm 5
T271	0.01 \pm 0.000	0.25 \pm 0.01	22.4 \pm 0.9	89 \pm 3
T272	0.01 \pm 0.000	0.29 \pm 0.01	26.8 \pm 0.8	107 \pm 3
T273	0.01 \pm 0.001	0.22 \pm 0.02	20.2 \pm 2.1	81 \pm 8
T274	0.01 \pm 0.001	0.24 \pm 0.01	21.9 \pm 1.1	87 \pm 4
T275	0.01 \pm 0.001	0.24 \pm 0.02	22.3 \pm 1.6	89 \pm 6
T276	0.01 \pm 0.001	0.22 \pm 0.02	20.4 \pm 2.1	82 \pm 9
T277	0.01 \pm 0.000	0.25 \pm 0.01	22.9 \pm 0.6	92 \pm 2
T278	0.01 \pm 0.001	0.24 \pm 0.02	21.8 \pm 2.1	87 \pm 8
T279	0.01 \pm 0.001	0.24 \pm 0.03	21.5 \pm 2.9	86 \pm 11
T280	0.01 \pm 0.001	0.23 \pm 0.02	20.6 \pm 1.5	82 \pm 6
T281	0.01 \pm 0.000	0.23 \pm 0.01	21.1 \pm 0.6	84 \pm 2
T282	0.01 \pm 0.001	0.23 \pm 0.02	21.1 \pm 1.6	84 \pm 6
T283	0.01 \pm 0.001	0.24 \pm 0.01	21.5 \pm 1.1	86 \pm 5
T284	0.01 \pm 0.001	0.29 \pm 0.02	26.0 \pm 1.9	104 \pm 8
T285	0.02 \pm 0.004	0.60 \pm 0.09	54.6 \pm 8.3	218 \pm 33
T286	0.02 \pm 0.001	0.37 \pm 0.02	33.5 \pm 1.5	134 \pm 6
T287	0.03 \pm 0.038	0.62 \pm 0.92	56.3 \pm 84.1	225 \pm 337
T288	0.03 \pm 0.014	0.66 \pm 0.34	59.8 \pm 31.2	239 \pm 125
T289	0.02 \pm 0.001	0.39 \pm 0.03	35.5 \pm 2.3	142 \pm 9
T290	0.01 \pm 0.002	0.35 \pm 0.06	32.0 \pm 5.1	128 \pm 20
T291	0.02 \pm 0.001	0.46 \pm 0.02	42.3 \pm 2.1	169 \pm 8
T292	0.03 \pm 0.009	0.79 \pm 0.22	72.2 \pm 20.5	289 \pm 82
T293	0.01 \pm 0.009	0.35 \pm 0.22	31.7 \pm 19.8	127 \pm 79
T294	0.02 \pm 0.017	0.39 \pm 0.41	35.2 \pm 37	141 \pm 148
T295	0.01 \pm 0.004	0.26 \pm 0.09	23.8 \pm 8.3	95 \pm 33
T296	0.01 \pm 0.001	0.25 \pm 0.02	22.9 \pm 1.6	92 \pm 6
T297	0.01 \pm 0.001	0.23 \pm 0.02	21.4 \pm 1.5	85 \pm 6
T298	0.01 \pm 0.000	0.22 \pm 0.00	20.5 \pm 0.4	82 \pm 1
T299	0.01 \pm 0.002	0.22 \pm 0.04	20.3 \pm 3.2	81 \pm 13
T300	0.01 \pm 0.001	0.25 \pm 0.03	23.1 \pm 2.3	93 \pm 9

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
200 West Area	T302	0.01	0.25	24.9	93	98
1st Quarter '02	T303	0.01	0.33	32.7	122	98
	T304	0.02	0.38	36.9	137	98
	T305	0.01	0.24	23.2	86	98
	T306	0.01	0.30	29.7	111	98
	T307	0.01	0.29	28.1	105	98
	T308	0.01	0.26	25.6	95	98
	T309	0.01	0.24	23.4	87	98
	T310	0.01	0.28	27.2	101	98
	T311	0.01	0.24	23.9	89	98
	T312	0.01	0.34	33.1	123	98
	T313	0.02	0.50	49.2	183	98
	T314	0.01	0.23	23.0	86	98
	T315	0.01	0.26	25.6	95	98
	T316	0.01	0.25	24.8	92	98
	T317	0.01	0.29	26.1	106	90
	T318	0.01	0.23	22.9	85	98
	T319	0.01	0.24	23.2	86	98
	T320	0.01	0.31	30.3	113	98
	T321	0.01	0.30	29.2	109	98
	T322	0.01	0.23	22.1	82	98
	T323	0.01	0.27	26.2	98	98
	T324	0.03	0.60	58.8	219	98
	T325	0.01	0.32	31.7	118	98
200 West Area	T302	0.01	0.26	21.6	95	83
2nd Quarter '02	T303	0.01	0.33	27.5	121	83
	T304	0.02	0.36	30.2	133	83
	T305	0.01	0.24	20.0	88	83
	T306	0.01	0.30	25.2	111	83
	T307	0.01	0.26	21.4	94	83
	T308	0.01	0.26	21.9	96	83
	T309	0.01	0.24	19.5	86	83
	T310	0.01	0.29	23.7	104	83
	T311	0.01	0.25	21.0	93	83
	T312	0.01	0.35	28.7	126	83
	T313	0.02	0.50	41.3	182	83
	T314	0.01	0.23	19.2	84	83
	T315	0.01	0.25	20.9	92	83
	T316	0.01	0.24	19.8	87	83
	T317	0.01	0.26	21.3	94	83
	T318	0.01	0.23	19.4	85	83
	T319	0.01	0.24	20.0	88	83
	T320	0.01	0.30	24.9	109	83
	T321	0.01	0.28	23.5	103	83
	T322	0.01	0.22	18.2	80	83
	T323	0.01	0.23	19.1	84	83
	T324	0.03	0.61	51.5	224	84
	T325	0.01	0.29	24.4	107	83

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
200 West Area (cont)	T302	0.01	0.24	23.7	89	97
3rd Quarter '02	T303	0.01	0.33	31.6	119	97
	T304	0.02	0.37	35.5	134	97
	T305	0.01	0.23	21.9	82	97
	T306	0.01	0.29	27.7	104	97
	T307	0.01	0.30	29.0	109	97
	T308	0.01	0.27	26.6	100	97
	T309	0.01	0.24	22.8	86	97
	T310	0.01	0.29	27.9	105	97
	T311	0.01	0.23	22.4	83	98
	T312	0.02	0.43	41.5	156	97
	T313	0.02	0.51	49.1	185	97
	T314	0.01	0.23	22.6	85	97
	T315	0.01	0.25	24.5	92	97
	T316	0.01	0.24	23.3	88	97
	T317	0.01	0.25	24.6	93	97
	T318	0.01	0.22	21.5	81	97
	T319	0.01	0.23	22.0	83	97
	T320	0.01	0.31	29.8	112	97
	T321	0.01	0.31	30.5	115	97
	T322	0.01	0.23	22.3	84	97
	T323	0.01	0.25	24.5	92	97
	T324	0.03	0.63	60.2	229	96
	T325	0.01	0.29	28.2	106	97
200 West Area	T302	0.01	0.26	22.2	94	86
4th Quarter '02	T303	0.01	0.31	26.4	112	86
	T304	0.02	0.36	31.2	133	86
	T305	0.01	0.23	20.1	85	86
	T306	0.01	0.29	25.1	107	86
	T307	0.01	0.32	27.8	118	86
	T308	0.01	0.29	25.0	106	86
	T309	0.01	0.25	21.1	89	86
	T310	0.01	0.27	23.6	100	86
	T311	0.01	0.25	20.9	90	85
	T312	0.02	0.41	34.9	148	86
	T313	0.02	0.50	42.6	181	86
	T314	0.01	0.24	20.4	87	86
	T315	0.01	0.25	21.9	93	86
	T316	0.01	0.25	21.7	92	86
	T317	0.01	0.27	23.4	99	86
	T318	0.01	0.23	19.7	84	86
	T319	0.01	0.25	21.8	93	86
	T320	0.01	0.28	24.5	104	86
	T321	0.01	0.27	23.6	100	86
	T322	0.01	0.22	18.9	80	86
	T323	0.01	0.24	20.5	87	86
	T324	0.02	0.52	44.4	189	86
	T325	0.01	0.34	29.4	125	86

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

200 West Area, Annual Average \pm 2 Standard Deviation (2SD)				
EDP Code	mrem/hr \pm 2SD	mrem/day \pm 2SD	mrem/qtr \pm 2SD	mrem/yr \pm 2SD
T302	0.01 \pm 0.001	0.25 \pm 0.014	23.2 \pm 1.3	93 \pm 5
T303	0.01 \pm 0.001	0.32 \pm 0.025	29.6 \pm 2.2	118 \pm 9
T304	0.02 \pm 0.001	0.37 \pm 0.012	33.6 \pm 1.1	134 \pm 4
T305	0.01 \pm 0.001	0.23 \pm 0.013	21.4 \pm 1.2	85 \pm 5
T306	0.01 \pm 0.001	0.30 \pm 0.018	27 \pm 1.6	108 \pm 6
T307	0.01 \pm 0.002	0.29 \pm 0.054	26.6 \pm 5.0	106 \pm 20
T308	0.01 \pm 0.001	0.27 \pm 0.027	24.8 \pm 2.4	99 \pm 10
T309	0.01 \pm 0.000	0.24 \pm 0.009	21.8 \pm 0.9	87 \pm 3
T310	0.01 \pm 0.001	0.28 \pm 0.012	25.7 \pm 1.1	103 \pm 4
T311	0.01 \pm 0.001	0.24 \pm 0.021	22.1 \pm 1.9	88 \pm 8
T312	0.02 \pm 0.004	0.38 \pm 0.089	34.7 \pm 8.1	139 \pm 32
T313	0.02 \pm 0.000	0.50 \pm 0.010	45.7 \pm 0.9	183 \pm 3
T314	0.01 \pm 0.000	0.23 \pm 0.006	21.4 \pm 0.5	85 \pm 2
T315	0.01 \pm 0.000	0.26 \pm 0.009	23.3 \pm 0.8	93 \pm 3
T316	0.01 \pm 0.001	0.25 \pm 0.016	22.5 \pm 1.4	90 \pm 6
T317	0.01 \pm 0.001	0.27 \pm 0.033	24.4 \pm 3.0	98 \pm 12
T318	0.01 \pm 0.001	0.23 \pm 0.011	20.9 \pm 1.0	84 \pm 4
T319	0.01 \pm 0.001	0.24 \pm 0.022	21.8 \pm 2.0	87 \pm 8
T320	0.01 \pm 0.001	0.30 \pm 0.023	27.4 \pm 2.1	110 \pm 8
T321	0.01 \pm 0.002	0.29 \pm 0.036	26.8 \pm 3.2	107 \pm 13
T322	0.01 \pm 0.000	0.22 \pm 0.010	20.4 \pm 0.9	82 \pm 4
T323	0.01 \pm 0.001	0.25 \pm 0.032	22.6 \pm 3.0	91 \pm 12
T324	0.02 \pm 0.004	0.59 \pm 0.099	53.9 \pm 9.1	215 \pm 36
T325	0.01 \pm 0.002	0.31 \pm 0.049	28.5 \pm 4.5	114 \pm 18

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
212-R, 1st Quarter '02	T301	0.34	8.16	808	2979	99
212-R, 2nd Quarter '02	T301	0.37	8.77	737	3203	84
212-R, 3rd Quarter '02	T301	0.39	9.38	891.1	3424	95
212-R, 4th Quarter '02	T301	0.38	9.21	791.9	3361	86

212-R, Annual Average \pm 2 Standard Deviation (2SD)					
EDP Code	mrem/hr \pm 2SD	mrem/day \pm 2SD	mrem/qtr \pm 2SD	mrem/yr \pm 2SD	
T301	0.37 \pm 0.045	8.9 \pm 1.1	809 \pm 99	3237 \pm 396	

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
300 Area 1st Quarter '02	T332	0.01	0.23	22.7	84	99
	T333	0.01	0.23	22.7	84	99
	T334	0.01	0.24	23.7	87	99
	T335	0.02	0.42	41.1	152	99
	T336	0.01	0.24	23.7	87	99
	T337	0.01	0.25	24.4	90	99
	T338	0.02	0.41	40.4	149	99
	T339	0.01	0.27	26.7	98	99
300 Area 2nd Quarter '02	T332	0.01	0.22	19.9	82	89
	T333	0.01	0.24	21.5	88	89
	T334	0.01	0.23	20.2	83	89
	T335	0.02	0.40	35.5	146	89
	T336	0.01	0.23	20.9	86	89
	T337	0.01	0.24	21.3	87	89
	T338	0.01	0.34	30.2	124	89
	T339	0.01	0.28	25.0	102	89
300 Area 3rd Quarter '02	T332	0.01	0.22	18.7	80	85
	T333	0.01	0.24	20.3	87	85
	T334	0.01	0.23	19.3	83	85
	T335	0.01	0.32	27.1	116	85
	T336	0.01	0.23	19.3	83	85
	T337	0.01	0.25	20.9	90	85
	T338	0.01	0.31	26.4	114	85
	T339	0.01	0.29	24.3	104	85
300 Area 4th Quarter '02	T332	0.01	0.24	21.6	87	91
	T333	0.01	0.25	22.9	92	91
	T334	0.01	0.24	21.4	86	91
	T335	0.01	0.27	24.9	100	91
	T336	0.01	0.24	21.5	86	91
	T337	0.01	0.25	22.4	90	91
	T338	0.01	0.33	30.2	121	91
	T339	0.01	0.32	28.8	115	91

300 Area, Annual Average \pm 2 Standard Deviation (2SD)

EDP Code	mrem/hr \pm 2SD	mrem/day \pm 2SD	mrem/qtr \pm 2SD	mrem/yr \pm 2SD
T332	0.01 \pm 0.001	0.23 \pm 0.016	20.8 \pm 1.4	83 \pm 6
T333	0.01 \pm 0.001	0.24 \pm 0.018	21.9 \pm 1.7	88 \pm 7
T334	0.01 \pm 0.001	0.23 \pm 0.013	21.2 \pm 1.2	85 \pm 5
T335	0.01 \pm 0.006	0.35 \pm 0.134	32.2 \pm 12.2	129 \pm 49
T336	0.01 \pm 0.000	0.23 \pm 0.010	21.4 \pm 0.9	86 \pm 4
T337	0.01 \pm 0.000	0.24 \pm 0.007	22.3 \pm 0.6	89 \pm 2
T338	0.01 \pm 0.004	0.35 \pm 0.084	31.9 \pm 7.7	128 \pm 31
T339	0.01 \pm 0.002	0.29 \pm 0.040	26.3 \pm 3.6	105 \pm 15

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
300 Area TEDF 1st Quarter '02	T326	0.01	0.24	23.8	88	99
	T327	0.01	0.23	22.5	83	99
	T328	0.01	0.24	23.8	88	99
	T329	0.01	0.24	23.7	87	99
	T330	0.01	0.22	21.6	80	99
	T331	0.01	0.23	22.9	84	99
300 Area TEDF 2nd Quarter '02	T326	0.01	0.23	20.8	85	89
	T327	0.01	0.23	20.5	84	89
	T328	0.01	0.25	21.9	90	89
	T329	0.01	0.24	21.1	87	89
	T330	0.01	0.22	19.4	79	89
	T331	0.01	0.23	20.7	85	89
300 Area TEDF 3rd Quarter '02	T326	0.01	0.23	19.4	83	85
	T327	0.01	0.22	18.5	79	85
	T328	0.01	0.24	20.2	87	85
	T329	0.01	0.22	19.1	82	85
	T330	0.01	0.22	18.9	81	85
	T331	0.01	0.23	20.0	86	85
300 Area TEDF 4th Quarter '02	T326	0.01	0.23	20.9	84	91
	T327	0.01	0.25	22.3	90	91
	T328	0.01	0.25	22.3	90	91
	T329	0.01	0.25	22.3	90	91
	T330	0.01	0.24	22.2	89	91
	T331	0.01	0.25	22.5	90	91

300 Area TEDF, Annual Average \pm 2 Standard Deviation (2SD)

EDP Code	mrem/hr \pm 2SD	mrem/day \pm 2SD	mrem/qtr \pm 2SD	mrem/yr \pm 2SD
T326	0.01 \pm 0.000	0.23 \pm 0.01	21.3 \pm 1	85 \pm 4
T327	0.01 \pm 0.001	0.23 \pm 0.02	21 \pm 2.1	84 \pm 8
T328	0.01 \pm 0.000	0.24 \pm 0.01	22.1 \pm 0.7	88 \pm 3
T329	0.01 \pm 0.001	0.24 \pm 0.02	21.6 \pm 1.6	86 \pm 6
T330	0.01 \pm 0.001	0.23 \pm 0.02	20.6 \pm 2.2	82 \pm 9
T331	0.01 \pm 0.001	0.24 \pm 0.01	21.6 \pm 1.4	86 \pm 5

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
400 Area 1st Quarter '02	T340	0.01	0.22	21.5	79	99
	T341	0.01	0.21	20.8	77	99
	T342	0.01	0.23	23.0	85	99
	T343	0.01	0.22	22.1	82	99
	T344	0.01	0.22	21.4	79	99
	T345	0.01	0.23	22.4	83	99
400 Area 2nd Quarter '02	T346	0.01	0.20	20.2	75	99
	T340	0.01	0.23	20.3	83	89
	T341	0.01	0.21	18.9	77	89
	T342	0.01	0.24	21.4	88	89
	T343	0.01	0.22	19.3	79	89
	T344	0.01	0.22	19.5	80	89
400 Area 3rd Quarter '02	T345	0.01	0.22	19.6	80	89
	T346	0.01	0.22	19.8	81	89
	T340	0.01	0.23	19.5	84	85
	T341	0.01	0.21	17.7	76	85
	T342	0.01	0.24	20.4	87	85
	T343	0.01	0.21	18.1	78	85
400 Area 4th Quarter '02	T344	0.01	0.22	18.4	79	85
	T345	0.01	0.21	18.3	79	85
	T346	0.01	0.22	18.9	81	85
	T340	0.01	0.25	22.6	91	91
	T341	0.01	0.24	22.3	89	91
	T342	0.01	0.23	21.2	85	91
	T343	0.01	0.22	20.1	81	91
	T344	0.01	0.24	21.5	86	91
	T345	0.01	0.23	21.1	85	91
	T346	0.01	0.22	19.8	79	91
400 Area, Annual Average \pm 2 Standard Deviation (2SD)						
EDP Code	mrem/hr \pm 2SD	mrem/day \pm 2SD	mrem/qtr \pm 2SD	mrem/yr \pm 2SD		
T340	0.01 \pm 0.001	0.23 \pm 0.03	21 \pm 2.3	84 \pm 9		
T341	0.01 \pm 0.001	0.22 \pm 0.03	19.9 \pm 3.2	80 \pm 13		
T342	0.01 \pm 0.000	0.24 \pm 0.01	21.5 \pm 0.7	86 \pm 3		
T343	0.01 \pm 0.000	0.22 \pm 0.01	19.9 \pm 0.8	80 \pm 3		
T344	0.01 \pm 0.001	0.22 \pm 0.02	20.3 \pm 1.7	81 \pm 7		
T345	0.01 \pm 0.001	0.22 \pm 0.01	20.4 \pm 1.4	82 \pm 5		
T346	0.01 \pm 0.001	0.22 \pm 0.02	19.7 \pm 1.6	79 \pm 6		

Table 4-2. Near-Facility Thermoluminescent Dosimeter Results, 2002. (cont)

Location/Sample Period	EDP Code	mrem/hr	mrem/day	mrem/qtr	mrem/year	Days in Field
ERDF	T351	NR	NR	NR	NR	NR
1st Quarter '02	T352	NR	NR	NR	NR	NR
	T353	NR	NR	NR	NR	NR
ERDF	T351	0.01	0.21	19.0	77	90
2nd Quarter '02	T352	0.01	0.23	20.6	84	90
	T353	0.01	0.26	23.6	96	90
ERDF	T351	0.01	0.24	22.9	86	97
3rd Quarter '02	T352	0.01	0.24	23.7	89	97
	T353	0.01	0.25	24.5	92	97
ERDF	T351	0.01	0.25	26.2	90	106
4th Quarter '02	T352	0.01	0.26	28.0	96	106
	T353	0.01	0.27	28.1	97	106
ERDF, Annual Average \pm 2 Standard Deviation (2SD)						
EDP Code	mrem/hr \pm 2SD	mrem/day \pm 2SD	mrem/qtr \pm 2SD	mrem/yr \pm 2SD		
T351	0.01 \pm 0.002	0.23 \pm 0.04	21.2 \pm 3.4	85 \pm 13		
T352	0.01 \pm 0.002	0.25 \pm 0.04	22.5 \pm 3.2	90 \pm 13		
T353	0.01 \pm 0.001	0.26 \pm 0.01	23.7 \pm 1.2	95 \pm 5		

NR = Not returned to the laboratory for analysis.

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