



May 22, 2006
GDP 06-0030

Mr. Jack R. Strosnider
Director, Office of Nuclear Material Safety and Safeguards
Attention: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Paducah Gaseous Diffusion Plant (PGDP)
Portsmouth Gaseous Diffusion Plant (PORTS)
Docket Nos. 70-7001 and 70-7002
Certificate Nos. GDP-1 and GDP-2
Submittal of Environmental Compliance Status Report (ECSR) Related Information

Dear Mr. Strosnider:

On January 16, 2001, representatives from USEC and the NRC Staff met at NRC headquarters to discuss the Environmental Compliance Status Report (ECSR) contained in Volume 3 of the PGDP and PORTS Certification Applications. As a result of this January meeting, USEC committed (See the Reference) to provide copies of the PGDP and PORTS Quarterly Radiological Monitoring Discharge Reports for plant outfalls. Enclosures 1 and 2 provide the first-quarter calendar year 2006 reports for PGDP and PORTS, respectively.

Should you have any questions or require additional information, please contact Mark Smith at (301) 564-3244. There are no new commitments contained in this submittal.

Sincerely,

Steven A. Toelle
Director, Regulatory Affairs

Mr. Jack R. Strosnider
May 22, 2006
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Reference: Letter from Steven A. Toelle (USEC) to Mr. Michael F. Weber (NRC), Paducah Gaseous Diffusion Plant (PGDP), Portsmouth Gaseous Diffusion Plant (PORTS), Docket Nos. 70-7001 and 70-7002, "Environmental Compliance Status Report (ECSR) Related Information," GDP 01-0018, dated March 26, 2001.

Enclosures: 1. PGDP Quarterly Radiological Discharge Monitoring Report-First Quarter 2006
2. PORTS Quarterly Radiological Discharge Monitoring Report-First Quarter 2006

cc: J. Henson, Chief, Fuel Facility Inspection, NRC Region II
M. Thomas, NRC Senior Resident Inspector, PGDP
D. Martin, NRC Project Manager

Enclosure 1
GDP 06-0030
4 Pages Total

**PGDP Quarterly Radiological Discharge Monitoring Report
First Quarter 2006**

**Plant Radiological Discharges to Surface Water
Calendar Year 2006 - 1st Quarter**

**United States Enrichment Corporation (USEC)
Paducah Gaseous Diffusion Plant, Paducah, Ky**

Outfall 002

Date Sampled	Concentrations									
	Dissolved		Suspended		U ug/l	U 235 wt. %	Tc 99 pCi/l	Th 230 pCi/l	Np 237 pCi/l	Pu 239/240 pCi/L
	Alpha pCi/l	Beta pCi/l	Alpha pCi/l	Beta pCi/l						
1/10/2006	< 4.86	< 7.29	< 4.8	< 7.24	3.00	NA	< 19.2	< 0.596	< 0.635	< 0.142

Outfall 008

Date Sampled	Concentrations									
	Dissolved		Suspended		U ug/l	U 235 wt. %	Tc 99 pCi/l	Th 230 pCi/l	Np 237 pCi/l	Pu 239/240 pCi/L
	Alpha pCi/l	Beta pCi/l	Alpha pCi/l	Beta pCi/l						
3/27/2006	9.23	13.3	8.97	14.1	16.00	1.45	< 14.3	< 0.585	< 0.593	< 0.148

Outfall 009

Date Sampled	Concentrations									
	Dissolved		Suspended		U ug/l	U 235 wt. %	Tc 99 pCi/l	Th 230 pCi/l	Np 237 pCi/l	Pu 239/240 pCi/L
	Alpha pCi/l	Beta pCi/l	Alpha pCi/l	Beta pCi/l						
3/27/2006	< 5.15	< 7.39	< 4.59	< 7.24	1	NA	< 14.3	< 0.577	< 0.593	< 0.147

**Plant Radiological Discharges to Surface Water
Calendar Year 2006 - 1st Quarter**

**United States Enrichment Corporation (USEC)
Paducah Gaseous Diffusion Plant, Paducah, Ky**

Outfall 010

Date Sampled	Concentrations									
	Dissolved		Suspended		U ug/l	U 235 wt. %	Tc 99 pCi/l	Th 230 pCi/l	Np 237 pCi/l	Pu 239/240 pCi/L
	Alpha pCi/l	Beta pCi/l	Alpha pCi/l	Beta pCi/l						
3/27/2006	< 5.19	18.8	< 4.6	15.3	26.00	0.337	< 14.3	< 0.583	< 0.693	< 0.145

Outfall 011

Date Sampled	Concentrations									
	Dissolved		Suspended		U ug/l	U 235 wt. %	Tc 99 pCi/l	Th 230 pCi/l	Np 237 pCi/l	Pu 239/240 pCi/L
	Alpha pCi/l	Beta pCi/l	Alpha pCi/l	Beta pCi/l						
1/10/2006	9.07	15.4	< 4.6	< 7.24	48	0.18	< 19.2	< 0.597	< 0.635	< 0.141
1/17/2006					90	0.182	< 17.1			
2/2/2006					41	0.218	< 17.4			
3/9/2006					42	0.199	< 17.3			
3/13/2006					59	0.186	< 17.3			
3/20/2006					59	0.195	< 17.3			

Outfall 012

Date Sampled	Concentrations									
	Dissolved		Suspended		U ug/l	U 235 wt. %	Tc 99 pCi/l	Th 230 pCi/l	Np 237 pCi/l	Pu 239/240 pCi/L
	Alpha pCi/l	Beta pCi/l	Alpha pCi/l	Beta pCi/l						
1/10/2006	< 4.91	7.36	< 4.61	< 7.24	5.00	NA	< 19.2	1.690	< 0.635	< 0.142

**Plant Radiological Discharges to Surface Water
Calendar Year 2006 - 1st Quarter**

**United States Enrichment Corporation (USEC)
Paducah Gaseous Diffusion Plant, Paducah, Ky**

Outfall 013

Date Sampled	Concentrations									
	Dissolved		Suspended		U ug/l	U 235 wt. %	Tc 99 pCi/l	Th 230 pCi/l	Np 237 pCi/l	Pu 239/240 pCi/L
	Alpha pCi/l	Beta pCi/l	Alpha pCi/l	Beta pCi/l						
1/10/2006	< 4.77	7.8	< 4.64	< 7.24	1.00	NA	< 19.2	< 0.594	< 0.635	< 0.142

Outfall 016

Date Sampled	Concentrations									
	Dissolved		Suspended		U ug/l	U 235 wt. %	Tc 99 pCi/l	Th 230 pCi/l	Np 237 pCi/l	Pu 239/240 pCi/L
	Alpha pCi/l	Beta pCi/l	Alpha pCi/l	Beta pCi/l						
1/10/2006	< 5.17	< 7.40	< 4.6	< 7.24	2.00	NA	< 19.2	< 0.594	< 0.635	< 0.142

Enclosure 2
GDP 06-0030
10 Pages Total

**PORTS Quarterly Radiological Discharge Monitoring Report
First Quarter 2006**

**Plant Radiological Discharges to Surface Water
Calendar Year 2006 - 1st Quarter**

**United States Enrichment Corporation (USEC)
Portsmouth Gaseous Diffusion Plant, Piketon, Ohio**

Outfall 001 / X-230J-7 East Holding Pond

	Concentrations					Loadings				
	Alpha pCi/l	Beta pCi/l	Tc pCi/l	U ug/l		Alpha mCi	Beta mCi	Tc mCi	U kg	
1/2/2006	3.9	11	< 9	1.37		0.112	0.31	< 0.26	0.040	
1/9/2006	3.6	19	< 10	1.42		0.062	0.32	< 0.17	0.025	
1/16/2006	< 4.9	6	< 9	1.06		0.095	0.17	< 0.24	0.028	
1/23/2006	3.5	20	< 29	1.41		0.126	0.70	< 1.03	0.050	
1/30/2006	< 3.8	31	< 57	2.10		0.051	0.42	< 0.76	0.028	
2/6/2006	< 4.0	23	< 22	0.98		0.069	0.47	< 0.46	0.020	
2/13/2006	10.6	106	< 25	0.91		0.161	1.61	< 0.38	0.014	
2/20/2006	< 3.2	15	< 9	0.88		0.030	0.15	< 0.09	0.009	
2/27/2006	4.1	12	< 9	0.75		0.050	0.14	< 0.11	0.009	
3/6/2006	< 0.9	12	< 9	0.47		0.016	0.20	< 0.15	0.008	
3/13/2006	< 3.3	9	< 9	0.79		0.111	0.35	< 0.37	0.032	
3/20/2006	< 4.8	25	< 20	1.14		0.082	0.53	< 0.42	0.024	
3/27/2006	< 2.5	7	< 9	0.94		0.041	0.11	< 0.15	0.015	
Total	< 53.1	294	< 227	14.22		1.006	5.46	< 4.61	0.302	
Average	< 4.1	23	< 17	1.09		0.077	0.42	< 0.35	0.023	
Maximum	10.6	106	< 57	2.10		0.161	1.61	< 1.03	0.050	
Minimum	< 0.9	6	< 9	0.47		0.016	0.11	< 0.09	0.008	
Transuranics '001030106	Am 241 < 0.051	Np 237 < 0.056	Pu 238 < 0.056	Pu 239+240 < 0.021						

**Plant Radiological Discharges to Surface Water
Calendar Year 2006 - 1st Quarter**

**United States Enrichment Corporation (USEC)
Portsmouth Gaseous Diffusion Plant, Piketon, Ohio**

Outfall 002 / X-230K South Holding Pond

	Concentrations				Loadings			
	Alpha pCi/l	Beta pCi/l	Tc pCi/l	U ug/l	Alpha mCi	Beta mCi	Tc mCi	U kg
1/2/2006	< 5.3	8	< 9	0.98	0.011	0.147	AA	0.019
1/9/2006	< 4.9	9	< 9	0.99	0.008	0.122	AA	0.014
1/16/2006	< 7.4	8	< 9	0.93	0.007	0.097	AA	0.012
1/23/2006	< 4.5	< 6	< 9	0.95	0.017	< 0.171	AA	0.029
1/30/2006	< 4.9	< 6	< 9	5.82	0.054	< 0.090	AA	0.090
2/6/2006	< 5.6	8	< 9	0.85	0.009	0.137	AA	0.015
2/13/2006	< 5.8	22	< 9	0.89	0.004	0.160	AA	0.006
2/20/2006	< 4.9	< 6	< 9	1.56	0.007	< 0.046	AA	0.012
2/27/2006	< 5.3	6	< 10	1.02	0.004	0.038	AA	0.006
3/6/2006	< 1.7	8	< 9	0.90	0.002	0.033	AA	0.004
3/13/2006	< 5.8	6	< 9	0.96	0.009	0.096	AA	0.016
3/20/2006	< 6.5	< 5	< 10	0.74	0.009	< 0.113	AA	0.015
3/27/2006	< 3.5	< 5	< 9	0.91	0.007	< 0.068	AA	0.012
Total	< 66.1	< 102	< 118	17.50	0.148	< 1.318	AA	0.250
Average	< 5.1	< 8	< 9	1.35	0.011	< 0.101	AA	0.019
Maximum	< 7.4	22	< 10	5.82	0.054	< 0.171	AA	0.090
Minimum	< 1.7	< 5	< 9	0.74	0.002	0.033	AA	0.004
Transuranics	Am 241	Np 237	Pu 238	Pu 239+240				
'002030706	< 0.020	< 0.018	< 0.062	< 0.062				

**Plant Radiological Discharges to Surface Water
Calendar Year 2006 - 1st Quarter**

**United States Enrichment Corporation (USEC)
Portsmouth Gaseous Diffusion Plant, Piketon, Ohio**

Outfall 003 / X-6619 Sewage Treatment Plant

	Concentrations				Loadings			
	Alpha pCi/l	Beta pCi/l	Tc pCi/l	U ug/l	Alpha mCi	Beta mCi	Tc mCi	U kg
1/2/2006	11.6	112	156	8.41	0.106	1.02	1.42	0.077
1/9/2006	35.2	121	176	19.4	0.335	1.15	1.67	0.184
1/16/2006	28.1	138	164	15.4	0.257	1.26	1.50	0.141
1/23/2006	36.2	117	161	20.3	0.406	1.31	1.81	0.228
1/30/2006	22.4	130	169	11.5	0.205	1.19	1.55	0.105
2/6/2006	17.5	106	148	13.5	0.136	0.83	1.15	0.105
2/13/2006	< 5.3	9	170	10.3	0.038	0.07	1.20	0.073
2/20/2006	92.5	126	151	36.6	0.630	0.86	1.03	0.249
2/27/2006	72.2	133	169	33.5	0.468	0.86	1.10	0.217
3/6/2006	41.0	130	153	15.9	0.256	0.81	0.95	0.099
3/13/2006	51.5	104	125	24.8	0.422	0.85	1.02	0.203
3/20/2006	58.5	49	48	22.4	0.435	0.36	0.36	0.166
3/27/2006	29.6	25	20	11.2	0.218	0.18	0.14	0.083
Total	< 501.6	1,300	1,810	243.2	3.912	10.75	14.90	1.930
Average	< 38.6	100	139	18.7	0.301	0.83	1.15	0.148
Maximum	92.5	138	176	36.6	0.630	1.31	1.81	0.249
Minimum	< 5.3	9	20	8.41	0.038	0.07	0.14	0.073
Transuranics '003030806	Am 241 < 0.019	Np 237 < 0.081	Pu 238 < 0.055	Pu 239+240 < 0.090				

**Plant Radiological Discharges to Surface Water
Calendar Year 2006 - 1st Quarter**

**United States Enrichment Corporation (USEC)
Portsmouth Gaseous Diffusion Plant, Piketon, Ohio**

Outfall 004 / Cooling Tower Blowdown

	Concentrations				Loadings			
	Alpha pCi/l	Beta pCi/l	Tc pCi/l	U ug/l	Alpha mCi	Beta mCi	Tc mCi	U kg
1/2/2006	4.4	18	< 9	0.53	0.0000	0.000	AA	0.0000
1/9/2006	< 3.7	21	< 9	0.69	0.0014	0.071	AA	0.0023
1/16/2006	< 5.6	17	< 9	0.50	0.0002	0.010	AA	0.0003
1/23/2006	4.4	16	< 9	0.74	0.0209	0.077	AA	0.0035
1/30/2006	< 4.4	17	< 9	0.70	0.0020	0.080	AA	0.0033
2/6/2006	< 4.6	25	< 9	0.43	0.0002	0.014	AA	0.0002
2/13/2006	AL	AL	AL	AL	AL	AL	AL	AL
2/20/2006	< 3.8	14	< 9	0.65	0.0014	0.048	AA	0.0023
2/27/2006	< 3.7	17	< 9	0.62	0.0007	0.030	AA	0.0011
3/6/2006	3.4	24	< 9	0.54	0.0055	0.038	AA	0.0009
3/13/2006	AL	AL	AL	AL	AL	AL	AL	AL
3/20/2006	< 5.5	18	< 9	0.66	0.0012	0.055	AA	0.0021
3/27/2006	< 3.0	19	< 9	0.62	0.0014	0.073	AA	0.0024
Total	< 46.5	206	< 99	6.68	0.0347	0.497	AA	0.0183
Average	< 4.2	19	< 9	0.61	0.0032	0.045	AA	0.0017
Maximum	< 5.6	25	< 9	0.74	0.0209	0.080	AA	0.0035
Minimum	< 3.0	14	< 9	0.43	0.0000	0.000	AA	0.0000
Transuranics '004030206	Am 241 < 0.027	Np 237 < 0.051	Pu 238 < 0.021	Pu 239+240 < 0.083				

**Plant Radiological Discharges to Surface Water
Calendar Year 2006 - 1st Quarter**

**United States Enrichment Corporation (USEC)
Portsmouth Gaseous Diffusion Plant, Piketon, Ohio**

Outfall 005 / X-611B Lime Sludge Lagoon

	Concentrations				Loadings			
	Alpha pCi/l	Beta pCi/l	Tc pCi/l	U ug/l	Alpha mCi	Beta mCi	Tc mCi	U kg
1/2/2006	AL	AL	AL	AL	AL	AL	AL	AL
1/9/2006	AL	AL	AL	AL	AL	AL	AL	AL
1/16/2006	AL	AL	AL	AL	AL	AL	AL	AL
1/23/2006	AL	AL	AL	AL	AL	AL	AL	AL
1/30/2006	AL	AL	AL	AL	AL	AL	AL	AL
2/6/2006	AL	AL	AL	AL	AL	AL	AL	AL
2/13/2006	AL	AL	AL	AL	AL	AL	AL	AL
2/20/2006	AL	AL	AL	AL	AL	AL	AL	AL
2/27/2006	AL	AL	AL	AL	AL	AL	AL	AL
3/6/2006	AL	AL	AL	AL	AL	AL	AL	AL
3/13/2006	AL	AL	AL	AL	AL	AL	AL	AL
3/20/2006	AL	AL	AL	AL	AL	AL	AL	AL
3/27/2006	AL	AL	AL	AL	AL	AL	AL	AL
Total	AL	AL	AL	AL	AL	AL	AL	AL
Average	AL	AL	AL	AL	AL	AL	AL	AL
Maximum	AL	AL	AL	AL	AL	AL	AL	AL
Minimum	AL	AL	AL	AL	AL	AL	AL	AL
Transuranics	Am 241 AL	Np 237 AL	Pu 238 AL	Pu 239+240 AL				

**Plant Radiological Discharges to Surface Water
Calendar Year 2006 - 1st Quarter**

**United States Enrichment Corporation (USEC)
Portsmouth Gaseous Diffusion Plant, Piketon, Ohio**

Outfall 009 / X-230L North Holding Pond

	Concentrations					Loadings			
	Alpha pCi/l	Beta pCi/l	Tc pCi/l	U ug/l	Alpha mCi	Beta mCi	Tc mCi	U kg	
1/2/2006	9.5	5	< 9	7.52	0.148	0.084	AA	0.117	
1/9/2006	8.5	9	< 9	7.72	0.059	0.058	AA	0.053	
1/16/2006	6.6	8	< 9	7.72	0.074	0.091	AA	0.086	
1/23/2006	6.2	7	< 9	7.46	0.119	0.126	AA	0.142	
1/30/2006	5.1	< 6	< 9	6.03	0.032	< 0.035	AA	0.037	
2/6/2006	7.3	8	< 9	6.74	0.094	0.098	AA	0.087	
2/13/2006	7.8	10	< 9	7.99	0.045	0.054	AA	0.046	
2/20/2006	6.5	< 6	< 9	7.37	0.040	< 0.035	AA	0.046	
2/27/2006	6.2	< 5	< 9	7.33	0.028	< 0.024	AA	0.033	
3/6/2006	4.5	8	< 9	4.71	0.022	0.037	AA	0.023	
3/13/2006	5.2	< 5	< 9	5.11	0.111	< 0.110	AA	0.110	
3/20/2006	< 5.0	< 5	< 10	6.08	0.028	< 0.039	AA	0.046	
3/27/2006	< 2.9	< 5	< 9	6.46	0.029	< 0.051	AA	0.064	
Total	< 81.3	< 86	< 118	88.24	0.829	< 0.842	AA	0.891	
Average	< 6.3	< 7	< 9	6.79	0.064	< 0.065	AA	0.069	
Maximum	9.5	10	< 10	7.99	0.148	0.126	AA	0.142	
Minimum	< 2.9	< 5	< 9	4.71	0.022	< 0.024	AA	0.023	
Transuranics	Am 241	Np 237	Pu 238	Pu 239+240					
'009030806	< 0.051	< 0.094	< 0.066	< 0.066					

**Plant Radiological Discharges to Surface Water
Calendar Year 2006 - 1st Quarter**

**United States Enrichment Corporation (USEC)
Portsmouth Gaseous Diffusion Plant, Piketon, Ohio**

Outfall 010 / X-230J-5 Northwest Holding Pond

	Concentrations				Loadings			
	Alpha pCi/l	Beta pCi/l	Tc pCi/l	U ug/l	Alpha mCi	Beta mCi	Tc mCi	U kg
1/2/2006	< 3.9	7	< 9	4.16	0.027	0.077	AA	0.045
1/9/2006	5.2	7	< 9	3.48	0.042	0.059	AA	0.028
1/16/2006	< 5.5	< 5	< 9	2.82	0.017	0.052	AA	0.028
1/23/2006	4.0	< 5	< 9	4.28	0.051	0.068	AA	0.055
1/30/2006	5.2	< 6	< 9	3.87	0.042	0.047	AA	0.032
2/6/2006	< 4.4	11	< 9	2.86	0.018	0.114	AA	0.031
2/13/2006	< 4.7	8	< 9	2.40	0.011	0.056	AA	0.018
2/20/2006	< 3.5	< 6	< 9	2.19	0.010	0.044	AA	0.017
2/27/2006	5.2	< 5	< 9	1.75	0.036	0.037	AA	0.012
3/6/2006	< 1.1	6	< 9	1.10	0.005	0.043	AA	0.008
3/13/2006	< 3.5	7	< 9	1.98	0.015	0.088	AA	0.025
3/20/2006	< 4.9	< 5	< 9	2.22	0.017	0.068	AA	0.029
3/27/2006	3.6	< 5	< 9	2.91	0.037	0.054	AA	0.030
Total	< 54.7	< 84	< 117	36.02	0.328	0.807	AA	0.356
Average	< 4.2	< 6	< 9	2.77	0.025	0.062	AA	0.027
Maximum	5.5	11	< 9	4.28	0.051	0.114	AA	0.055
Minimum	< 1.1	< 5	< 9	1.10	0.005	0.037	AA	0.008
Transuranics '010030806	Am 241 < 0.053	Np 237 < 0.098	Pu 238 < 0.060	Pu 239+240 < 0.048				

**Plant Radiological Discharges to Surface Water
Calendar Year 2006 - 1st Quarter**

**United States Enrichment Corporation (USEC)
Portsmouth Gaseous Diffusion Plant, Piketon, Ohio**

Outfall 011 / X-230J-6 Northeast Holding Pond

	Concentrations				Loadings			
	Alpha pCi/l	Beta pCi/l	Tc pCi/l	U ug/l	Alpha mCi	Beta mCi	Tc mCi	U kg
1/2/2006	< 3.6	< 5	< 9	1.42	0.0005	< 0.0030	AA	0.0008
1/9/2006	< 3.7	10	< 9	1.46	0.0001	0.0014	AA	0.0002
1/16/2006	< 5.4	< 5	< 9	1.28	0.0003	< 0.0020	AA	0.0005
1/23/2006	< 3.5	< 5	< 9	1.29	0.0011	< 0.0073	AA	0.0018
1/30/2006	< 4.3	< 6	< 9	1.33	0.0001	< 0.0010	AA	0.0002
2/6/2006	< 4.5	8	< 9	1.12	0.0003	0.0034	AA	0.0005
2/13/2006	< 4.8	< 7	< 9	1.16	0.0001	< 0.0009	AA	0.0002
2/20/2006	< 3.5	< 6	< 9	1.15	0.0001	< 0.0009	AA	0.0002
2/27/2006	4.2	< 5	< 9	1.34	0.0006	< 0.0008	AA	0.0002
3/6/2006	2.8	11	< 9	0.82	0.0004	0.0016	AA	0.0001
3/13/2006	< 3.1	7	< 9	0.80	0.0006	0.0089	AA	0.0011
3/20/2006	< 5.3	< 5	< 9	1.41	0.0001	< 0.0006	AA	0.0002
3/27/2006	< 2.8	< 5	< 9	1.17	0.0001	< 0.0005	AA	0.0001
Total	< 51.5	< 85	< 117	15.75	0.0044	< 0.0323	AA	0.0061
Average	< 4.0	< 7	< 9	1.21	0.0003	< 0.0025	AA	0.0005
Maximum	< 5.4	11	< 9	1.46	0.0011	< 0.0089	AA	0.0018
Minimum	< 2.8	< 5	< 9	0.80	0.0001	< 0.0005	AA	0.0001
Transuranics '011030806	Am 241 < 0.055	Np 237 < 0.093	Pu 238 < 0.083	Pu 239+240 < 0.101				

**Plant Radiological Discharges to Surface Water
Calendar Year 2006 - 1st Quarter**

**United States Enrichment Corporation (USEC)
Portsmouth Gaseous Diffusion Plant, Piketon, Ohio**

NOTES

Weekly concentrations and loadings with quarterly summaries are presented for Gross Alpha Activity, Gross Beta Activity, Technetium-99 (beta) Activity and Total Uranium Concentration. These figures are based on seven-day composite samples and measured flows at each outfall except at Outfall 005. Since Outfall 005 historically had no discharge, there is no composite sampler there and effluent data is based on grab samples and manual measurements taken when there is an actual discharge.

Quarterly concentrations are presented for Americium-241, Neptunium-237, Plutonium-238, Plutonium 239 and Plutonium 240. (All of these are transuranics. Plutonium 239 and Plutonium 240 activities are reported as a combined activity because they emit substantially identical radiation.) These figures are based on quarterly grab samples.

Weekly concentrations that are below the Minimum Detectable Activity (MDA) or Laboratory Limit of Detection (LLD) are indicated by a "less than" (<) prefix ahead of the numerical MDA/LLD. MDAs vary somewhat from day to day and from outfall to outfall depending on interferences present and other conditions.

Weekly loadings that correspond to less than MDA/LLD concentrations are calculated based on the MDA/LLD value and prefixed with a "<" except as follows: Technetium loadings at Outfalls 002, 004, 005, 009, 010, and 011 are presumed to be zero unless actually detected, based on the historical absence of technetium in these outfalls. These loadings are coded as "AA" unless actually detected.

Loadings are not calculated for transuranics because measurable transuranic concentrations are not normally present in any USEC-leased outfall.

AA indicates no detectable concentration.

AL indicates no flow during the sampling period.