



DUKE COGEMA
STONE & WEBSTER

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

13 September 2001
DCS-NRC-000062

Subject: Docket Number 070-03098
Duke Cogema Stone & Webster
Mixed Oxide Fuel Fabrication Facility
Update to Responses to the Request for Additional Information
on the Environmental Report

- References:
- (1) P. S. Hastings (DCS) letter to NRC Document Control Desk, DCS-NRC-000055, dated 12 July 2001, "Duke Cogema Stone & Webster (DCS) Mixed Oxide Fuel Fabrication Facility Responses to the Request for Additional Information on the Environmental Report"
 - (2) M. L. Birch (DCS) letter to B. J. Davis (NRC), DCS-NRC-000056, dated 27 July 2001, "Duke Cogema Stone & Webster Mixed Oxide Fuel Fabrication Facility NRC-ANL Site Visit, 22-23 May 2001"

Reference 1 provided Duke Cogema Stone & Webster's (DCS') response to your request for additional information on the Mixed Oxide Fuel Fabrication Facility (MFFF) Environmental Report. Our response to question 13 (found on pages 15-16 of Reference 1) referenced the potential exceedances of Drinking Water Standards in compliance wells for the Old F-Area Seepage Basin. The response also indicated that the U.S. Department of Energy (DOE) was conducting confirmatory analyses and that DCS would communicate the results of these confirmatory analyses to NRC when available. We have recently received correspondence from DOE confirming exceedances of Drinking Water Standards and are forwarding to NRC as Enclosure A to this letter. As noted in the DOE correspondence, DOE plans to submit a corrective action plan to the State of South Carolina by 25 October 2001. When DCS receives a copy of the corrective action plan, we will also forward a copy to NRC.

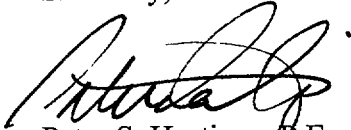
In addition, during the site visit discussed in Reference 2, NRC Staff requested a copy of the negative declaration letter from the U.S. Fish and Wildlife Service for the MFFF site. A copy of the letter is provided as Enclosure B to this letter.

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If you have any questions, please call me at (704) 373-7820 or Mary Birch at (704) 382-1401.

Sincerely,



Peter S. Hastings, P.E.
Licensing Manager

Enclosures: (A) A. A. Blackmon (DOE) letter to J. V. Johnson (DOE), 10 September 2001, "Groundwater Mixing Zone Confirmation Sampling Results for the Old F-Area Seepage Basin," with attachments

(B) L. Duncan (USFWS) fax to K. Dyer (WSRC), 20 June 2001, Concurrence (i.e., "negative consent") with A. B. Gould (DOE) letter to R. Banks (USFWS), 08 December 2000, "Informal Consultation Under Section 7 of the Endangered Species Act for the Surplus Plutonium Disposition – Mixed Oxide Fuel Fabrication Facility"

xc: Charlotte E. Abrams, USNRC/HQ
David Alberstein, USDOE/HQ
Mary L. Birch, DCS
Theodore J. Bowling, DCS
Edward J. Brabazon, DCS
Jack P. Clemmens, DCS
B. Jennifer Davis, USNRC/HQ
Thomas H. Essig, USNRC/HQ
Sterling M. Franks III, USDOE/SR
Joseph G. Giitter, USNRC/HQ
Robert H. Ihde, DCS
James V. Johnson, USDOE/MD
Kirk E. LaGory, ANL
Eric J. Leeds, USNRC/HQ
John E. Matheson, DCS
Edwin Pentecost, ANL
Andrew Persinko, USNRC/HQ
Robert C. Pierson, USNRC/HQ
Donald J. Silverman, Esq., DCS
Thomas E. Touchstone, DCS
PRA/EDMS: Corresp\Outgoing\NRC\Licensing\DCS-NRC-000062

Enclosure A

United States Government

National Nuclear Security Administration (NNSA)

memorandum

Savannah River Area Office

DATE: September 10, 2001

REPLY TO
ATTN OF: ODNN (A. Blackmon/803-725-9910)

SUBJECT: Groundwater Mixing Zone Confirmation Sampling Results for the Old F-Area Seepage Basin

TO: James V. Johnson, Technical Manager, Fuel Fabrication Facility, Office of Reactors
(NN-61), HQ

Please find attached the Department of Energy, Savannah River Operations Office (DOE-SR) notification to the South Carolina Department of Health and Environmental Control (SCDHEC) and the Environmental Protection Agency, Region IV (EPA-IV), of validated data for the Old F-Area Seepage Basin mixing zone. This data confirms exceedances in the compliance boundary wells FNB-13, 14, and 15. In accordance with the approved groundwater mixing zone application, DOE-SR will submit a corrective action plan to the SCDHEC and EPA-IV by October 25, 2001.

This information is being provided to Duke Cogema Stone & Webster (DCS) by copy of this memorandum. DCS may provide this information to the Nuclear Regulatory Commission.

Should you have any questions concerning this subject, please contact me at 803-725-9910.



Allison Blackmon, Project Manager
Mixed Oxide Fuel Fabrication Facility

ODNN:AAB:kas

WA-01-100

Attachment:
Letter, Groundwater Confirmation Sample Results

cc w/encl:
P. S. Hastings, DCS

cc w/o encl:
R. Geddes, WSRC
P. Prater, ERD/DOE-SR



Department of Energy
Savannah River Operations Office
P.O. Box A
Aiken, South Carolina 29802

AUG 24 2001

Mr. C. M. Gorman, Manager
Federal Facility Agreement Section
Division of Site Assessment and Remediation
Bureau of Land and Waste Management
South Carolina Department of Health and Environmental Control
2600 Bull Street
Columbia, SC 29201

Mr. K. B. Feely
Savannah River Site Remedial Project Manager
Waste Management Division
United States Environmental Protection Agency, Region IV
61 Forsyth Street, SW
Atlanta, GA 30303

Dear Mr. Gorman and Mr. Feely:

SUBJECT: Groundwater Mixing Zone Confirmation Sampling Results for the Old F-Area Seepage Basin (904-49G)

Please be advised that the validated data for the Old F-Area Seepage Basin (OFASB) mixing zone well network were received on July 27, 2001. The data confirm exceedances in the compliance boundary wells FNB-13, 14, and 15. In accordance with the approved groundwater mixing zone application, a plan for corrective action is required within 90 days of receipt of the confirmed sampling results. Therefore, a plan for corrective action will be submitted by October 25, 2001. Data further confirm exceedances in the plume assessment wells FNB-3 and 5, thus requiring evaluation of those constituents in the mixing zone. Attached for your information is a summary of the exceedances (Table 1) and the results of the first two sampling events from the mixing zone well network (Tables 2 and 3). SRS proposes to submit a scoping summary and conduct a Core Team Meeting in September to gain consensus on the plan for corrective action which is due October 25, 2001.

As previously discussed with you at the April 11, 2001 comment response meeting for the Post Construction Report (PCR), SRS proposes to modify two or three groundwater monitoring wells

Mr. Gorman and Mr. Feely

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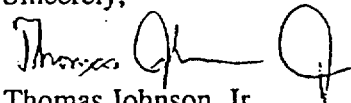
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(FNB-8, 10 and 11) to accommodate the construction of a new facility which is scheduled to be built near the closed OFASB. If it is determined that the wells require relocation to construct the new facility, separate requests for monitoring well abandonment and installation will be submitted. As-built conditions will be provided within 30 days of modification or installation.

As you are aware, the President has submitted a proposed budget for Fiscal Year 2002 to the Congress. The Secretary of Energy has reiterated the commitment of the Administration to safely cleaning up the DOE complex and complying with applicable environmental laws and regulations. In addition, the Secretary has directed a comprehensive review of the Environmental Management program. The challenges that are included in the budget proposal as well as the results of the policy review may have an impact on the enclosed document. As the specifics of the budget and review become more clear, SRS may propose further updates to the Environmental Restoration program as appropriate.

As indicated in the OFASB PCR continued well network sampling will commence within 90 days of approval of the PCR. Questions from you or your staff may be directed to me at (803) 725-4319.

Sincerely,

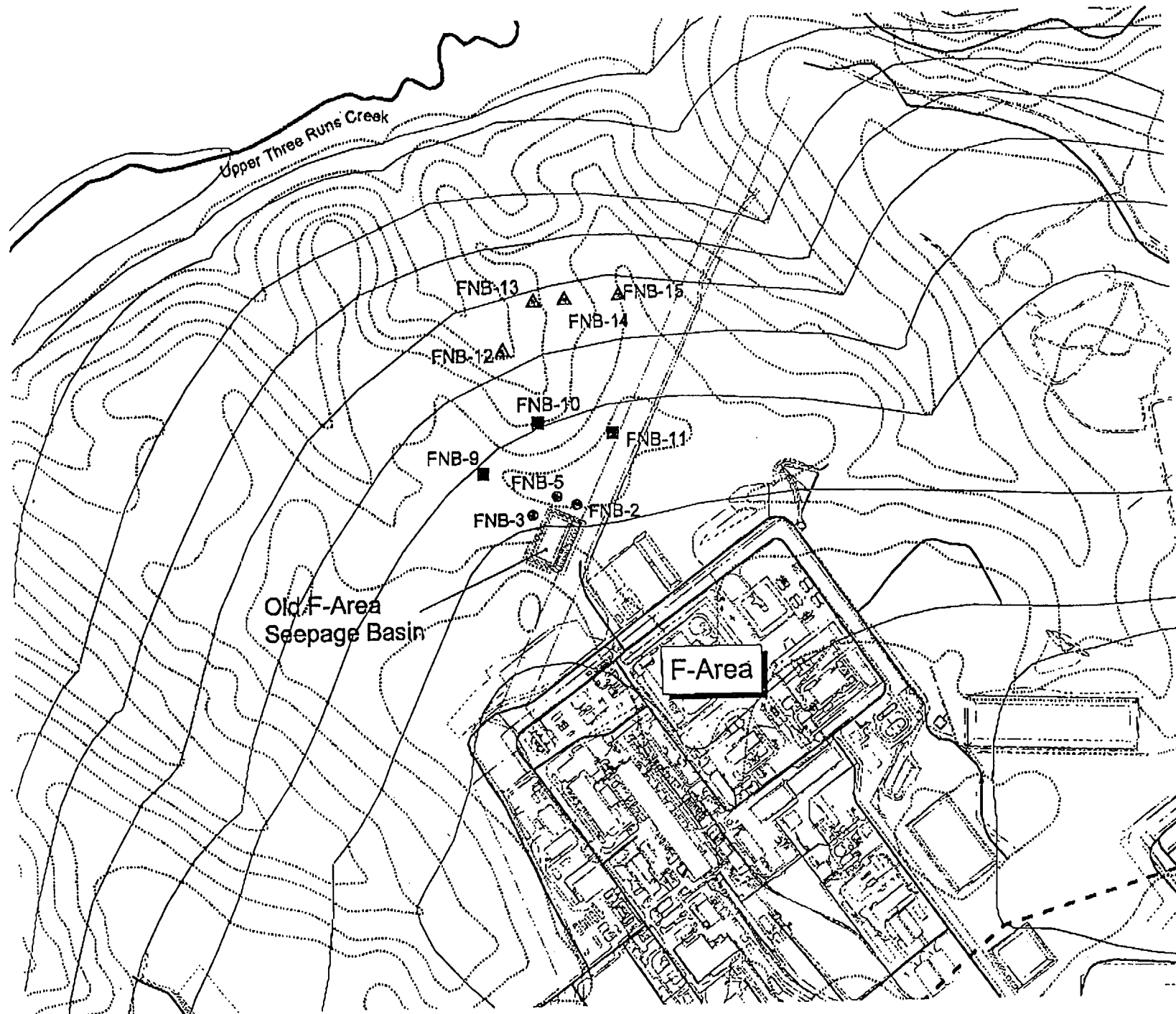


Thomas Johnson, Jr.
SRS Remedial Project Manager
Environmental Restoration Division

TJ/LHW:bfm
OD-01-289

c: A. B. Gould, USDOE-ECD, 703-A
C. V. Anderson, USDOE-ERD, 703-A
J. L. Crane, USEPA-IV
B. Reedy, USEPA-IV
M. McRae, Parallax, Inc.
J. K. Cresswell, SCDHEC-Columbia
J. T. Litton, SCDHEC-Columbia
M. D. Sherritt, SCDHEC-Columbia
G. K. Taylor, SCDHEC-Columbia
Administrative Record File, 730-2B, 1000

Old F-Area Seepage Basin Well Network



OFASB New Wells

- Intermediate Detection Wells
- Compliance Boundary Wells
- Plume Assessment Wells
- Roads
- GSA Infrastructure
- Streams
- Topography (c.i. 20 ft.)
- Water Table 1998 (c.i. 10 ft.)

Table 1. Summary of Mixing Zone Standards, Exceedances, and Response Actions

Well	Monitoring Network Significance	3Q2000 Result Exceeding Standard	1Q2001 Result Exceeding Standard	Applicable Standard	Action or Response Required by Mixing Zone
FNB-3	Plume Assessment Well	Pb = 17.6 µg/l	Pb = 39.5 µg/l	MZCLs not calculated*	Evaluate Pb and ²²⁶ Ra for inclusion in model.
FNB-5	Plume Assessment Well	²²⁶ Ra = 6.36 pCi/l	²²⁶ Ra = 7.67 pCi/ml Pb = 18.1 µg/l (J)		
FNB-13	Compliance Boundary Well	¹²⁹ I = 2.65 pCi/l (J) ⁹⁰ Sr = 14.7 pCi/l ³ H = 68,700 pCi/l	¹²⁹ I = 1.86 pCi/l (J) ⁹⁰ Sr = 29.5 pCi/l ³ H = 64,900 pCi/l	MCL ¹²⁹ I = 1 pCi/l MCL ⁹⁰ Sr = 8pCi/l MCL ³ H = 20,000 pCi/l	Submit a plan for corrective action by 25 October 2001.
FNB-14	Compliance Boundary Well	¹²⁹ I = 2.63 pCi/l (J) ³ H = 94,600 pCi/l	¹²⁹ I = 2.82 pCi/l (J) N = 11 mg/l ³ H = 101,000 pCi/l	MCL ¹²⁹ I = 1 pCi/l MCL N = 10 mg/l MCL ³ H = 20,000 pCi/l	
FNB-15	Compliance Boundary Well	¹²⁹ I = 5.69 pCi/l N = 15.3 mg/l ⁹⁰ Sr = 9.68 pCi/l ³ H = 165,000 pCi/l	¹²⁹ I = 5.5 pCi/l N = 19.3 mg/l ⁹⁰ Sr = 10.7 pCi/l ³ H = 165,000 pCi/l	MCL ¹²⁹ I = 1 pCi/l MCL N = 10 mg/l MCL ⁹⁰ Sr = 8pCi/l MCL ³ H = 20,000 pCi/l	

* In accordance with the Mixing Zone Application, if Pb concentrations or Ra activities exceed MCLs, then these constituents will be evaluated for inclusion in the contaminant transport model.

Table 2. OFASB Mixing Zone Well Network, 3Q2000 Sampling Results

VALID	WELL NAME	SAMPLE DATE	ANALYTICAL RESULT	RESULT UNIT	EPA GUIDE	EPA STORET	EMS CODE	ANALYTE	ANALYTICAL METHOD	LAB	DETECTION LIMIT	QUANTITATION LIMIT	CONCENTRATION FACTOR	FORMAT	RESULT PRECISION	pH	CONDUCTIVITY	TURBIDITY
<i>Plume Assessment Wells FNB-2, FNB-3, FNB-5</i>																		
D	FNB 2	09/05/2000	17.8	PCL				Iodine-129	EPIA-006	GP	1.02	6.7	1	AN98	2.84	4	133	5.4
S	FNB 2	09/05/2000	10.8	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.045	0.25	5	AN98		4	133	5.4
D	FNB 2	09/05/2000	95.9	PCL				Strontium-90	EPIA-004	GP	0.768	4.668	1	AN98	1.95	4	133	5.4
D	FNB 2	09/05/2000	84400	PCL				Tritium	EPIA-002	GP	556	3956	1	AN98	1700	4	133	5.4
D	FNB 2	09/05/2000	61.3	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	11.9	50	1	AN98		4	133	5.4
D	FNB 2	09/05/2000	5	UGL	U			Lead, total recoverable	EPA6010B	GE	1.83	5	1	AN98		4	133	5.4
D	FNB 2	09/05/2000	0.45	PCL	U			Radium-226	EPIA-008	GP	0.771	1.745	1	AN98	0.487	4	133	5.4
D	FNB 2	09/05/2000	1.88	PCL	U	V		Radium-228	EPIA-009	GP	0.775	1.731	1	AN98	0.478	4	133	5.4
D	FNB 2	09/05/2000	3.31	PCL	U	V		Radium-228	EPIA-009	GP	1.02	2.376	1	AN98	0.678	4	133	5.4
D	FNB 2	09/05/2000	40.7	PCL				Gross alpha	EPIA-001	GP	0.72	6.62	1	AN98	2.95	4	133	5.4
D	FNB 2	09/05/2000	163	PCL				Nonvolatile beta	EPIA-001	GP	1.18	9.84	1	AN98	4.33	4	133	5.4
D	FNB 3	09/06/2000	0.118	PCL	U			Iodine-129	EPIA-006	GP	0.717	1.875	1	AN98	0.579	5	58	1.5
D	FNB 3	09/06/2000	1.3	PCL	J	I		Iodine-129	EPIA-006	GP	1.24	3.68	1	AN98	1.22	5	58	1.5
D	FNB 3	09/06/2000	1.52	PCL	U			Iodine-129	EPIA-006	GP	1.64	3.52	1	AN98	0.94	5	58	1.5
D	FNB 3	09/06/2000	1.77	PCL	U			Iodine-129	EPA902.0MOD	TM	7.31	14.89	1	AN98	3.79	5	58	1.5
D	FNB 3	09/06/2000	2.72	PCL	U			Iodine-129	EPA902.0MOD	TM	7.79	15.99	1	AN98	4.1	5	58	1.5
S	FNB 3	09/06/2000	4.38	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.027	0.15	3	AN98		5	58	1.5
S	FNB 3	09/06/2000	4.47	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.027	0.15	3	AN98		5	58	1.5
S	FNB 3	09/06/2000	4300	UGL				Nitrate-nitrite as nitrogen	EPA353.2	WA	20	200	10	AN98		5	58	1.5
D	FNB 3	09/06/2000	6.03	PCL				Strontium-90	EMLSR02MOD	TM	1.27	3.47	1	AN98	1.1	5	58	1.5
D	FNB 3	09/06/2000	6.3	PCL				Strontium-90	EMLSR02MOD	TM	1.1	3.08	1	AN98	0.99	5	58	1.5
D	FNB 3	09/06/2000	7.43	PCL	J	K	C	Strontium-90	EPIA-004	GP	0.872	2.31	1	AN98	0.719	5	58	1.5
D	FNB 3	09/06/2000	7.84	PCL	J	K	C	Strontium-90	EPIA-004	GP	0.893	2.403	1	AN98	0.755	5	58	1.5
D	FNB 3	09/06/2000	18.36	PCML				Tritium	EPA906.0MOD	TM	1.12	3.78	1	AN98	1.33	5	58	1.5
D	FNB 3	09/06/2000	18.49	PCML				Tritium	EPA906.0MOD	TM	1.12	3.78	1	AN98	1.33	5	58	1.5
D	FNB 3	09/06/2000	21.5	PCML				Tritium	EPIA-002	GP	0.529	2.247	1	AN98	0.859	5	58	1.5
D	FNB 3	09/06/2000	20000	PCL				Tritium	EPIA-002	GP	528	2190	1	AN98	831	5	58	1.5
D	FNB 3	09/06/2000	21500	PCL				Tritium	EPIA-002	GP	529	2247	1	AN98	859	5	58	1.5
D	FNB 3	09/06/2000	21800	PCL				Tritium	EPIA-002	GP	531	2263	1	AN98	866	5	58	1.5
D	FNB 3	09/06/2000	10.77	UGL				Uranium, total recoverable	ASTMD5174M	TM	0.03	0.35	1	AN98	0.16	5	58	1.5
D	FNB 3	09/06/2000	11.27	UGL				Uranium, total recoverable	ASTMD5174M	TM	0.03	0.37	1	AN98	0.17	5	58	1.5
D	FNB 3	09/06/2000	19	UGL	J	I		Uranium, total recoverable	EPA6010B	GE	11.9	50	1	AN98		5	58	1.5
D	FNB 3	09/06/2000	50	UGL	U			Uranium, total recoverable	EPA6010B	GE	11.9	50	1	AN98		5	58	1.5
D	FNB 3	09/06/2000	7.9	UGL	J	I		Lead, total recoverable	EPA6010B	WA	4.7	47	1	AN98		5	58	1.5
D	FNB 3	09/06/2000	9.57	UGL				Lead, total recoverable	EPA6010B	GE	1.83	5	1	AN98		5	58	1.5
D	FNB 3	09/06/2000	17.6	UGL				Lead, total recoverable	EPA6010B	GE	1.83	5	1	AN98		5	58	1.5
D	FNB 3	09/06/2000	0.983	PCL	J	I		Radium-226	EPIA-008	GP	0.603	1.593	1	AN98	0.495	5	58	1.5
D	FNB 3	09/06/2000	1.24	PCL	J	I		Radium-226	EPIA-008	GP	0.583	1.655	1	AN98	0.536	5	58	1.5
D	FNB 3	09/06/2000	0.52	PCL	U			Radium-228	EPIA-009	GP	0.991	1.953	1	AN98	0.481	5	58	1.5
D	FNB 3	09/06/2000	1.41	PCL	J	I		Radium-228	EPIA-009	GP	1.16	2.428	1	AN98	0.634	5	58	1.5
D	FNB 3	09/06/2000	4.17	PCL	R	K	C	Radium-228	EPA904.0MOD	TM	5.25	11.75	1	AN98	3.25	5	58	1.5
D	FNB 3	09/06/2000	5.4	PCL	R	K	C	Radium-228	EPA904.0MOD	TM	4.93	11.25	1	AN98	3.16	5	58	1.5
D	FNB 3	09/06/2000	7.24	PCL				Gross alpha	EPA900.0MOD	TM	1.03	3.81	1	AN98	1.39	5	58	1.5
D	FNB 3	09/06/2000	7.54	PCL				Gross alpha	EPA900.0MOD	TM	1.1	4.04	1	AN98	1.47	5	58	1.5
D	FNB 3	09/06/2000	9.43	PCL				Gross alpha	EPIA-001	GP	0.863	4.363	1	AN98	1.75	5	58	1.5
D	FNB 3	09/06/2000	10.2	PCL				Gross alpha	EPIA-001	GP	0.79	4.33	1	AN98	1.77	5	58	1.5

Table 2. OFASB Mixing Zone Well Network, 3Q2000 Sampling Results

VALID	WELL NAME	SAMPLE DATE	ANALYTICAL RESULT	RESULT UNIT	EPA GUIDE	EPA STORET	EMS CODE	ANALYTE	ANALYTICAL METHOD	LAB	DETECTION LIMIT	QUANTITATION LIMIT	CONCENTRATION FACTOR	FORMAT	RESULT PRECISION	pH	CONDUCTIVITY	TURBIDITY
D	FNB 3	09/06/2000	22.65	PCL				Nonvolatile beta	EPA900.0MOD	TM	1.74	5.76	1	AN98	2.01	5	58	1.5
D	FNB 3	09/06/2000	22.71	PCL				Nonvolatile beta	EPA900.0MOD	TM	1.71	5.69	1	AN98	1.99	5	58	1.5
D	FNB 3	09/06/2000	23.2	PCL				Nonvolatile beta	EPIA-001	GP	1.49	5.43	1	AN98	1.97	5	58	1.5
D	FNB 3	09/06/2000	23.8	PCL				Nonvolatile beta	EPIA-001	GP	1.4	5.3	1	AN98	1.95	5	58	1.5
D	FNB 5	09/05/2000	3.38	PCL	J	I		Iodine-129	EPIA-006	GP	1.3	4.18	1	AN98	1.44	4.2	165	2.1
S	FNB 5	09/05/2000	14.9	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.09	0.5	10	AN98		4.2	165	2.1
D	FNB 5	09/05/2000	24.3	PCL				Strontium-90	EPIA-004	GP	0.756	2.916	1	AN98	1.08	4.2	165	2.1
D	FNB 5	09/05/2000	92200	PCL				Tritium	EPIA-002	GP	581	4281	1	AN98	1850	4.2	165	2.1
D	FNB 5	09/05/2000	40.6	UGL	JU	V	6	Uranium, total recoverable	EPA6010B	GE	11.9	50	1	AN98		4.2	165	2.1
D	FNB 5	09/05/2000	5	UGL	U			Lead, total recoverable	EPA6010B	GE	1.83	5	1	AN98		4.2	165	2.1
D	FNB 5	09/05/2000	6.36	PCL				Radium-228	EPIA-008	GP	0.761	3.161	1	AN98	1.2	4.2	165	2.1
D	FNB 5	09/05/2000	3.56	PCL	U	V		Radium-228	EPIA-009	GP	0.949	2.267	1	AN98	0.659	4.2	165	2.1
D	FNB 5	09/05/2000	23.9	PCL				Gross alpha	EPIA-001	GP	0.656	5.296	1	AN98	2.32	4.2	165	2.1
D	FNB 5	09/05/2000	79.5	PCL				Nonvolatile beta	EPIA-001	GP	1.32	7.44	1	AN98	3.06	4.2	165	2.1
<i>Intermediate Wells FNB-9, FNB-10, FNB-11</i>																		
D	FNB 9	09/05/2000	0.0734	PCL	U			Iodine-129	EPIA-006	GP	0.673	1.447	1	AN98	0.387	5.7	40	0.9
S	FNB 9	09/05/2000	1.08	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.009	0.05	1	AN98		5.7	40	0.9
D	FNB 9	09/05/2000	-1.28	PCL	U			Strontium-90	EPIA-004	GP	1.56	3.304	1	AN98	0.872	5.7	40	0.9
D	FNB 9	09/05/2000	2590	PCL				Tritium	EPIA-002	GP	529	1351	1	AN98	411	5.7	40	0.9
D	FNB 9	09/05/2000	11.9	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	11.9	50	1	AN98		5.7	40	0.9
D	FNB 9	09/05/2000	0.292	PCL	U			Gross alpha	EPIA-001	GP	0.722	1.458	1	AN98	0.368	5.7	40	0.9
D	FNB 9	09/05/2000	2.02	PCL	J	I		Nonvolatile beta	EPIA-001	GP	1.32	2.812	1	AN98	0.746	5.7	40	0.9
D	FNB 10	09/05/2000	-0.339	PCL	U			Iodine-129	EPIA-006	GP	0.891	2.149	1	AN98	0.629	5.2	32	2
S	FNB 10	09/05/2000	1.41	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.009	0.05	1	AN98		5.2	32	2
D	FNB 10	09/05/2000	-0.143	PCL	U			Strontium-90	EPIA-004	GP	0.791	1.439	1	AN98	0.324	5.2	32	2
D	FNB 10	09/05/2000	3300	PCL				Tritium	EPIA-002	GP	526	1394	1	AN98	434	5.2	32	2
D	FNB 10	09/05/2000	22.2	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	11.9	50	1	AN98		5.2	32	2
D	FNB 10	09/05/2000	0.812	PCL				Gross alpha	EPIA-001	GP	0.309	0.791	1	AN98	0.241	5.2	32	2
D	FNB 10	09/05/2000	1.31	PCL				Gross alpha	EPIA-001	GP	0.297	0.841	1	AN98	0.272	5.2	32	2
D	FNB 10	09/05/2000	1.31	PCL				Gross alpha	EPIA-001	GP	0.297	0.841	1	AN98	0.272	5.2	32	2
D	FNB 10	09/05/2000	3.8	PCL				Nonvolatile beta	EPIA-001	GP	0.497	1.303	1	AN98	0.403	5.2	32	2
D	FNB 10	09/05/2000	3.8	PCL				Nonvolatile beta	EPIA-001	GP	0.497	1.303	1	AN98	0.403	5.2	32	2
D	FNB 10	09/05/2000	4.39	PCL				Nonvolatile beta	EPIA-001	GP	0.624	1.57	1	AN98	0.473	5.2	32	2
D	FNB 11	09/05/2000	0.375	PCL	U			Iodine-129	EPIA-006	GP	0.641	1.369	1	AN98	0.364	5.5	58	1.2
S	FNB 11	09/05/2000	4.2	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.027	0.15	3	AN98		5.5	58	1.2
D	FNB 11	09/05/2000	1.09	PCL	J	I		Strontium-90	EPIA-004	GP	0.7	1.5	1	AN98	0.4	5.5	58	1.2
D	FNB 11	09/05/2000	13200	PCL				Tritium	EPIA-002	GP	529	1925	1	AN98	698	5.5	58	1.2
D	FNB 11	09/05/2000	50	UGL	U			Uranium, total recoverable	EPA6010B	GE	11.9	50	1	AN98		5.5	58	1.2
D	FNB 11	09/05/2000	0.894	PCL	U			Gross alpha	EPIA-001	GP	0.912	2.162	1	AN98	0.625	5.5	58	1.2
D	FNB 11	09/05/2000	21.6	PCL				Nonvolatile beta	EPIA-001	GP	1.51	5.35	1	AN98	1.92	5.5	58	1.2
<i>Compliance Boundary Wells FNB-12, FNB-13, FNB-14, FNB-15</i>																		
D	FNB 12	09/05/2000	0.0686	PCL	U			Iodine-129	EPIA-006	GP	0.673	1.463	1	AN98	0.395	5.2	26	2.5
S	FNB 12	09/05/2000	0.33	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.009	0.05	1	AN98		5.2	26	2.5

Table 2. OFASB Mixing Zone Well Network, 3Q2000 Sampling Results

VALID	WELL NAME	SAMPLE DATE	ANALYTICAL RESULT	RESULT UNIT	EPA GUIDE	EPA STORET	EMS CODE	ANALYTE	ANALYTICAL METHOD	LAB	DETECTION LIMIT	QUANTITATION LIMIT	CONCENTRATION FACTOR	FORMAT	RESULT PRECISION	pH	CONDUCTIVITY	TURBIDITY
D	FNB 12	09/05/2000	-0.3	PCL	U			Strontium-90	EPIA-004	GP	0.874	1.58		1 AN98	0.353	5.2	26	2.5
D	FNB 12	09/05/2000	2480	PCL				Tritium	EPIA-002	GP	527	1339		1 AN98	406	5.2	26	2.5
D	FNB 12	09/05/2000	16.1	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	11.9	50		1 AN98		5.2	26	2.5
D	FNB 12	09/05/2000	0.102	PCL	U			Gross alpha	EPIA-001	GP	0.57	1.054		1 AN98	0.242	5.2	26	2.5
D	FNB 12	09/05/2000	0.182	PCL	U			Nonvolatile beta	EPIA-001	GP	1.2	2.266		1 AN98	0.533	5.2	26	2.5
D	FNB 13	09/05/2000	2.65	PCL	J	I		Iodine-129	EPIA-006	GP	0.93	3.37		1 AN98	1.22	5.2	83	2.1
S	FNB 13	09/05/2000	7.65	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.045	0.25		5 AN98		5.2	83	2.1
D	FNB 13	09/05/2000	14.7	PCL				Strontium-90	EPIA-004	GP	0.934	2.73		1 AN98	0.898	5.2	83	2.1
D	FNB 13	09/05/2000	68700	PCL				Tritium	EPIA-002	GP	537	3497		1 AN98	1480	5.2	83	2.1
D	FNB 13	09/05/2000	12.6	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	11.9	50		1 AN98		5.2	83	2.1
D	FNB 13	09/05/2000	2.27	PCL				Gross alpha	EPIA-001	GP	0.532	1.97		1 AN98	0.719	5.2	83	2.1
D	FNB 13	09/05/2000	46.6	PCL				Nonvolatile beta	EPIA-001	GP	1.26	5.72		1 AN98	2.23	5.2	83	2.1
D	FNB 14	09/05/2000	2.63	PCL	J	I		Iodine-129	EPIA-006	GP	0.668	3.128		1 AN98	1.23	4.9	96	1.9
S	FNB 14	09/05/2000	9.35	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.045	0.25		5 AN98		4.9	96	1.9
D	FNB 14	09/05/2000	-0.69	PCL	U			Strontium-90	EPIA-004	GP	1.35	2.604		1 AN98	0.627	4.9	96	1.9
D	FNB 14	09/05/2000	94600	PCL				Tritium	EPIA-002	GP	589	4389		1 AN98	1900	4.9	96	1.9
D	FNB 14	09/05/2000	15.6	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	11.9	50		1 AN98		4.9	96	1.9
D	FNB 14	09/05/2000	3.78	PCL				Gross alpha	EPIA-001	GP	0.823	2.693		1 AN98	0.935	4.9	96	1.9
D	FNB 14	09/05/2000	9.5	PCL				Nonvolatile beta	EPIA-001	GP	1.19	3.37		1 AN98	1.09	4.9	96	1.9
D	FNB 15	09/05/2000	5.69	PCL				Iodine-129	EPIA-006	GP	1.01	3.95		1 AN98	1.47	5.8	178	1.1
S	FNB 15	09/05/2000	15.3	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.09	0.5		10 AN98		5.8	178	1.1
D	FNB 15	09/05/2000	9.68	PCL				Strontium-90	EPIA-004	GP	1.07	2.806		1 AN98	0.868	5.8	178	1.1
D	FNB 15	09/05/2000	165000	PCL				Tritium	EPIA-002	GP	785	7325		1 AN98	3270	5.8	178	1.1
D	FNB 15	09/05/2000	16.1	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	11.9	50		1 AN98		5.8	178	1.1
D	FNB 15	09/05/2000	4.63	PCL				Gross alpha	EPIA-001	GP	0.713	2.893		1 AN98	1.09	5.8	178	1.1
D	FNB 15	09/05/2000	41.3	PCL				Nonvolatile beta	EPIA-001	GP	1.19	5.43		1 AN98	2.12	5.8	178	1.1
	<div>Notes: PCL picoCuries/liter PCML picoCuries/milliliter MGL milligrams/liter UGL micrograms/liter Bold data exceed applicable thresholds. Shaded data exceed MCLs and will be evaluated for inclusion in the contaminant transport model.</div>																	

Table 3. OFASB Mixing Zone Well Network, 1Q2001 Sampling Results

VALID	WELL NAME	SAMPLE DATE	ANALYTICAL RESULT	RESULT UNIT	EPA GUIDE	EPA STORET	EMS CODE	ANALYTE	ANALYTICAL METHOD	LAB	DETECTION LIMIT	QUANTITATION LIMIT	CONCENTRATION FACTOR	FORMAT	RESULT PRECISION	pH	CONDUCTIVITY	TURBIDITY
<i>Plume Assessment Wells FNB-2, FNB-3, FNB-5</i>																		
D	FNB 2	01/29/2001	15.6	PCL				Iodine-129	RADA-006	GP	1.3	6.76	1	AN98	2.73	4.3	138	6.7
S	FNB 2	01/29/2001	11.8	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.069	0.5	10	AN98		4.3	138	6.7
D	FNB 2	01/29/2001	92.2	PCL				Strontium-90	RADA-004	GP	0.758	5.798	1	AN98	2.52	4.3	138	6.7
D	FNB 2	01/29/2001	90700	PCL				Tritium	RADA-002	GP	618	4118	1	AN98	1750	4.3	138	6.7
D	FNB 2	01/29/2001	73.6	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	7.33	50	1	AN98		4.3	138	6.7
D	FNB 2	01/29/2001	5	UGL	U			Lead, total recoverable	EPA6010B	GE	3.44	5	1	AN98		4.3	138	6.7
D	FNB 2	01/29/2001	4.11	PCL				Radium-226	RADA-008	GP	0.574	2.39	1	AN98	0.908	4.3	138	6.7
D	FNB 2	01/29/2001	2.52	PCL				Radium-228	RADA-009	GP	1	2.222	1	AN98	0.611	4.3	138	6.7
D	FNB 2	01/29/2001	54	PCL				Gross alpha	RADA-001	GP	1.01	7.87	1	AN98	3.43	4.3	138	6.7
D	FNB 2	01/29/2001	159	PCL				Nonvolatile beta	RADA-001	GP	1.6	9.82	1	AN98	4.11	4.3	138	6.7
D	FNB 3	01/29/2001	1.01	PCL	U			Iodine-129	RADA-006	GP	1.35	2.65	1	AN98	0.65	4.6	64	1.7
S	FNB 3	01/29/2001	5.04	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.0207	0.15	3	AN98		4.6	64	1.7
D	FNB 3	01/29/2001	6.42	PCL				Strontium-90	RADA-004	GP	0.813	2.291	1	AN98	0.739	4.6	64	1.7
D	FNB 3	01/29/2001	18800	PCL				Tritium	RADA-002	GP	613	2323	1	AN98	855	4.6	64	1.7
D	FNB 3	01/29/2001	34.1	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	7.33	50	1	AN98		4.6	64	1.7
D	FNB 3	01/29/2001	39.5	UGL				Lead, total recoverable	EPA6010B	GE	3.44	5	1	AN98		4.6	64	1.7
D	FNB 3	01/29/2001	1.01	PCL	J	I		Radium-226	RADA-008	GP	0.578	1.594	1	AN98	0.508	4.6	64	1.7
D	FNB 3	01/29/2001	0.883	PCL	J	I		Radium-228	RADA-009	GP	0.694	1.454	1	AN98	0.38	4.6	64	1.7
D	FNB 3	01/29/2001	6.55	PCL				Gross alpha	RADA-001	GP	0.819	3.319	1	AN98	1.25	4.6	64	1.7
D	FNB 3	01/29/2001	16.2	PCL				Nonvolatile beta	RADA-001	GP	1.59	4.59	1	AN98	1.5	4.6	64	1.7
D	FNB 5	01/29/2001	3.08	PCL	R		4	Iodine-129	RADA-006	GP	1.96	4	1	AN98	1.02	4.1	144	5.2
D	FNB 5	01/29/2001	3.32	PCL	J	I		Iodine-129	RADA-006	GP	0.888	3.488	1	AN98	1.3	4.1	144	5.2
D	FNB 5	01/29/2001	3.35	PCL	U			Iodine-129	EPA902.0MOD	TM	4.69	11.47	1	AN98	3.39	4.1	144	5.2
D	FNB 5	01/29/2001	3.64	PCL	U			Iodine-129	EPA902.0MOD	TM	8.29	16.73	1	AN98	4.22	4.1	144	5.2
S	FNB 5	01/29/2001	13.9	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.069	0.5	10	AN98		4.1	144	5.2
S	FNB 5	01/29/2001	14.6	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.069	0.5	10	AN98		4.1	144	5.2
S	FNB 5	01/29/2001	14900	UGL				Nitrate-nitrite as nitrogen	EPA353.2	WA	100	1000	50	AN98		4.1	144	5.2
D	FNB 5	01/29/2001	21.8	PCL				Strontium-90	RADA-004	GP	0.875	3.515	1	AN98	1.32	4.1	144	5.2
D	FNB 5	01/29/2001	23.91	PCL				Strontium-90	EMLSR02MOD	TM	1.64	5.72	1	AN98	2.04	4.1	144	5.2
D	FNB 5	01/29/2001	24.36	PCL				Strontium-90	EMLSR02MOD	TM	1.62	5.68	1	AN98	2.03	4.1	144	5.2
D	FNB 5	01/29/2001	32.6	PCL				Strontium-90	RADA-004	GP	0.954	4.394	1	AN98	1.72	4.1	144	5.2
D	FNB 5	01/29/2001	70.69	PCML				Tritium	EPA906.0MOD	TM	1.26	6.16	1	AN98	2.45	4.1	144	5.2
D	FNB 5	01/29/2001	80.01	PCML				Tritium	EPA906.0MOD	TM	1.37	6.79	1	AN98	2.71	4.1	144	5.2
D	FNB 5	01/29/2001	77400	PCL				Tritium	RADA-002	GP	619	3879	1	AN98	1630	4.1	144	5.2
D	FNB 5	01/29/2001	77500	PCL				Tritium	RADA-002	GP	617	3857	1	AN98	1620	4.1	144	5.2
D	FNB 5	01/29/2001	17	UGL	U		6	Uranium, total recoverable	ASTMD5174M	TM	0.03	1.19	1	AN98	0.58	4.1	144	5.2
D	FNB 5	01/29/2001	17.04	UGL	U		6	Uranium, total recoverable	ASTMD5174M	TM	0.03	1.17	1	AN98	0.57	4.1	144	5.2
D	FNB 5	01/29/2001	57.2	UGL	U	V	6	Uranium, total recoverable	EPA6010B	GE	7.33	50	1	AN98		4.1	144	5.2
D	FNB 5	01/29/2001	57.7	UGL	U	V	6	Uranium, total recoverable	EPA6010B	GE	7.33	50	1	AN98		4.1	144	5.2
D	FNB 5	01/29/2001	6.75	UGL				Lead, total recoverable	EPA6010B	GE	3.44	5	1	AN98		4.1	144	5.2
D	FNB 5	01/29/2001	10.2	UGL				Lead, total recoverable	EPA6010B	GE	3.44	5	1	AN98		4.1	144	5.2
D	FNB 5	01/29/2001	18.1	UGL	J	I		Lead, total recoverable	EPA6010B	WA	4.7	47	1	AN98		4.1	144	5.2
D	FNB 5	01/29/2001	6.46	PCL				Radium-226	RADA-008	GP	0.528	2.668	1	AN98	1.07	4.1	144	5.2
D	FNB 5	01/29/2001	7.67	PCL				Radium-228	RADA-008	GP	0.473	2.953	1	AN98	1.24	4.1	144	5.2
D	FNB 5	01/29/2001	2.88	PCL				Radium-228	RADA-009	GP	1.05	2.382	1	AN98	0.666	4.1	144	5.2

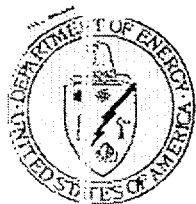
Table 3. OFASB Mixing Zone Well Network, 1Q2001 Sampling Results

VALID	WELL NAME	SAMPLE DATE	ANALYTICAL RESULT	RESULT UNIT	EPA GUIDE	EPA STORET	EMS CODE	ANALYTE	ANALYTICAL METHOD	LAB	DETECTION LIMIT	QUANTITATION LIMIT	CONCENTRATION FACTOR	FORMAT	RESULT PRECISION	pH	CONDUCTIVITY	TURBIDITY
D	FNB 5	01/29/2001	3.92	PCL				Radium-228	RADA-009	GP	1.02	2.4		1 AN98	0.69	4.1	144	5.2
D	FNB 5	01/29/2001	29.96	PCL	R			Radium-228	EPA904.0MOD	TM	2	7.14		1 AN98	2.57	4.1	144	5.2
D	FNB 5	01/29/2001	30.68	PCL	R			Radium-228	EPA904.0MOD	TM	1.77	6.91		1 AN98	2.57	4.1	144	5.2
D	FNB 5	01/29/2001	23.72	PCL				Gross alpha	EPA900.0MOD	TM	1.15	5.93		1 AN98	2.39	4.1	144	5.2
D	FNB 5	01/29/2001	24.9	PCL				Gross alpha	RADA-001	GP	0.998	5.858		1 AN98	2.43	4.1	144	5.2
D	FNB 5	01/29/2001	26.14	PCL				Gross alpha	EPA900.0MOD	TM	0.78	5.84		1 AN98	2.53	4.1	144	5.2
D	FNB 5	01/29/2001	27.5	PCL				Gross alpha	RADA-001	GP	0.773	5.593		1 AN98	2.41	4.1	144	5.2
D	FNB 5	01/29/2001	60.2	PCL				Nonvolatile beta	RADA-001	GP	1.56	6.7		1 AN98	2.57	4.1	144	5.2
D	FNB 5	01/29/2001	62.7	PCL				Nonvolatile beta	RADA-001	GP	1.95	7.39		1 AN98	2.72	4.1	144	5.2
D	FNB 5	01/29/2001	76.91	PCL				Nonvolatile beta	EPA900.0MOD	TM	1.69	7.93		1 AN98	3.12	4.1	144	5.2
D	FNB 5	01/29/2001	77.24	PCL				Nonvolatile beta	EPA900.0MOD	TM	1.5	7.76		1 AN98	3.13	4.1	144	5.2
Intermediate Wells FNB-9, FNB-10, FNB-11																		
D	FNB 9	01/29/2001	0.531	PCL	U			Iodine-129	RADA-006	GP	1.81	4.07		1 AN98	1.13	5.4	39	4.4
S	FNB 9	01/29/2001	1.32	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.0069	0.05		1 AN98		5.4	39	4.4
S	FNB 9	01/29/2001	1.32	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.0069	0.05		1 AN98		5.4	39	4.4
S	FNB 9	01/29/2001	1.35	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.0069	0.05		1 AN98		5.4	39	4.4
D	FNB 9	01/29/2001	0.119	PCL	U			Strontium-90	RADA-004	GP	0.798	1.512		1 AN98	0.357	5.4	39	4.4
D	FNB 9	01/29/2001	2320	PCL				Tritium	RADA-002	GP	626	1532		1 AN98	453	5.4	39	4.4
D	FNB 9	01/29/2001	34.8	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	7.33	50		1 AN98		5.4	39	4.4
D	FNB 9	01/29/2001	0.586	PCL	U			Gross alpha	RADA-001	GP	0.756	1.662		1 AN98	0.453	5.4	39	4.4
D	FNB 9	01/29/2001	2.19	PCL	J	I		Nonvolatile beta	RADA-001	GP	1.59	3.346		1 AN98	0.878	5.4	39	4.4
D	FNB 10	01/29/2001	0.799	PCL	U			Iodine-129	RADA-006	GP	0.978	2.372		1 AN98	0.697	4.8	32	0.9
S	FNB 10	01/29/2001	1.51	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.0069	0.05		1 AN98		4.8	32	0.9
D	FNB 10	01/29/2001	-0.307	PCL	U			Strontium-90	RADA-004	GP	1.05	1.896		1 AN98	0.423	4.8	32	0.9
D	FNB 10	01/29/2001	2430	PCL				Tritium	RADA-002	GP	620	1526		1 AN98	453	4.8	32	0.9
D	FNB 10	01/29/2001	11.6	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	7.33	50		1 AN98		4.8	32	0.9
D	FNB 10	01/29/2001	1.55	PCL	J	I		Gross alpha	RADA-001	GP	0.64	1.868		1 AN98	0.614	4.8	32	0.9
D	FNB 10	01/29/2001	3.29	PCL	J	I		Nonvolatile beta	RADA-001	GP	1.62	3.536		1 AN98	0.958	4.8	32	0.9
D	FNB 11	01/29/2001	0.0756	PCL	U			Iodine-129	RADA-006	GP	1.35	2.832		1 AN98	0.741	5.2	46	2.9
S	FNB 11	01/29/2001	2.85	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.0069	0.05		1 AN98		5.2	46	2.9
D	FNB 11	01/29/2001	1.64	PCL	J	I		Strontium-90	RADA-004	GP	0.871	1.913		1 AN98	0.521	5.2	46	2.9
D	FNB 11	01/29/2001	11700	PCL				Tritium	RADA-002	GP	631	2073		1 AN98	721	5.2	46	2.9
D	FNB 11	01/29/2001	34.8	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	7.33	50		1 AN98		5.2	46	2.9
D	FNB 11	01/29/2001	1.42	PCL	J	I		Gross alpha	RADA-001	GP	0.853	2.127		1 AN98	0.637	5.2	46	2.9
D	FNB 11	01/29/2001	6.79	PCL				Nonvolatile beta	RADA-001	GP	1.54	3.74		1 AN98	1.1	5.2	46	2.9
Compliance Boundary Wells FNB-12, FNB-13, FNB-14, FNB=15																		
D	FNB 12	01/29/2001	0.406	PCL	U			Iodine-129	RADA-006	GP	1.59	3.084		1 AN98	0.747	5.1	26	2.5
S	FNB 12	01/29/2001	0.25	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.0069	0.05		1 AN98		5.1	26	2.5
D	FNB 12	01/29/2001	-0.0195	PCL	U			Strontium-90	RADA-004	GP	0.82	1.522		1 AN98	0.351	5.1	26	2.5
D	FNB 12	01/29/2001	2310	PCL				Tritium	RADA-002	GP	618	1514		1 AN98	448	5.1	26	2.5
D	FNB 12	01/29/2001	50.1	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	7.33	50		1 AN98		5.1	26	2.5
D	FNB 12	01/29/2001	0.749	PCL	U			Gross alpha	RADA-001	GP	1.08	2.288		1 AN98	0.604	5.1	26	2.5
D	FNB 12	01/29/2001	0.96	PCL	U			Nonvolatile beta	RADA-001	GP	1.71	3.434		1 AN98	0.862	5.1	26	2.5

Table 3. OFASB Mixing Zone Well Network, 1Q2001 Sampling Results

VALID	WELL NAME	SAMPLE DATE	ANALYTICAL RESULT	RESULT UNIT	EPA GUIDE	EPA STORET	EMS CODE	ANALYTE	ANALYTICAL METHOD	LAB	DETECTION LIMIT	QUANTITATION LIMIT	CONCENTRATION FACTOR	FORMAT	RESULT PRECISION	pH	CONDUCTIVITY	TURBIDITY						
D	FNB 13	01/31/2001	1.86	PCL	J	I		Iodine-129	RADA-006	GP	1.27	3.69	1	AN98	1.21	5	96	1.6						
S	FNB 13	01/31/2001	8.8	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.0345	0.25	5	AN98		5	96	1.6						
S	FNB 13	01/31/2001	8.95	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.0345	0.25	5	AN98		5	96	1.6						
D	FNB 13	01/31/2001	29.5	PCL				Strontium-90	RADA-004	GP	0.513	2.195	1	AN98	0.841	5	96	1.6						
D	FNB 13	01/31/2001	64900	PCL				Tritium	RADA-002	GP	649	3629	1	AN98	1490	5	96	1.6						
D	FNB 13	01/31/2001	14.3	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	7.33	50	1	AN98		5	96	1.6						
D	FNB 13	01/31/2001	1.95	PCL	J	I		Gross alpha	RADA-001	GP	0.719	2.159	1	AN98	0.72	5	96	1.6						
D	FNB 13	01/31/2001	54.7	PCL				Nonvolatile beta	RADA-001	GP	1.58	6.06	1	AN98	2.24	5	96	1.6						
D	FNB 14	01/31/2001	2.82	PCL	J	I		Iodine-129	RADA-006	GP	1.22	3.66	1	AN98	1.22	4.7	113	3.8						
S	FNB 14	01/31/2001	10.9	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.0345	0.25	5	AN98		4.7	113	3.8						
S	FNB 14	01/31/2001	11	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.0345	0.25	5	AN98		4.7	113	3.8						
D	FNB 14	01/31/2001	0.21	PCL	U			Strontium-90	RADA-004	GP	0.415	0.911	1	AN98	0.248	4.7	113	3.8						
D	FNB 14	01/31/2001	0.259	PCL	U			Strontium-90	RADA-004	GP	0.273	0.607	1	AN98	0.167	4.7	113	3.8						
D	FNB 14	01/31/2001	101000	PCL				Tritium	RADA-002	GP	664	4384	1	AN98	1860	4.7	113	3.8						
D	FNB 14	01/31/2001	13.8	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	7.33	50	1	AN98		4.7	113	3.8						
D	FNB 14	01/31/2001	4.64	PCL				Gross alpha	RADA-001	GP	0.448	2.216	1	AN98	0.884	4.7	113	3.8						
D	FNB 14	01/31/2001	6.37	PCL				Gross alpha	RADA-001	GP	0.622	2.682	1	AN98	1.03	4.7	113	3.8						
D	FNB 14	01/31/2001	13	PCL				Nonvolatile beta	RADA-001	GP	1.45	3.91	1	AN98	1.23	4.7	113	3.8						
D	FNB 14	01/31/2001	15.2	PCL				Nonvolatile beta	RADA-001	GP	1.46	4.04	1	AN98	1.29	4.7	113	3.8						
D	FNB 15	01/31/2001	5.5	PCL				Iodine-129	RADA-006	GP	1.16	5.34	1	AN98	2.09	5.5	190	1						
S	FNB 15	01/31/2001	19.3	MGL				Nitrate-nitrite as nitrogen	EPA353.1	GE	0.069	0.5	10	AN98		5.5	190	1						
D	FNB 15	01/31/2001	10.7	PCL				Strontium-90	RADA-004	GP	0.267	0.999	1	AN98	0.366	5.5	190	1						
D	FNB 15	01/31/2001	165000	PCL				Tritium	RADA-002	GP	662	5382	1	AN98	2360	5.5	190	1						
D	FNB 15	01/31/2001	13.7	UGL	U	V		Uranium, total recoverable	EPA6010B	GE	7.33	50	1	AN98		5.5	190	1						
D	FNB 15	01/31/2001	6.11	PCL				Gross alpha	RADA-001	GP	0.653	2.753	1	AN98	1.05	5.5	190	1						
D	FNB 15	01/31/2001	59.2	PCL				Nonvolatile beta	RADA-001	GP	1.32	5.76	1	AN98	2.22	5.5	190	1						
	<div>Notes:</div> <div>PCL picoCuries/liter PCML picoCuries/milliliter MGL milligrams/liter UGL micrograms/liter</div> <div>Bold data exceed applicable thresholds. Shaded data exceed MCLs and will be evaluated for inclusion in the contaminant transport model.</div>																							

Enclosure B



Department of Energy
Savannah River Operations Office
P.O. Box A
Aiken, South Carolina 29802

DEC 04 2001

COPY

Mr. Roger Banks
U. S. Department of the Interior
Fish and Wildlife Service
P. O. Box 12559
Charleston, SC 29422-2559

Dear Mr. Banks:

Re: Informal Consultation Under Section 7 of the Endangered Species Act for the
Surplus Plutonium Disposition - Mixed Oxide Fuel Fabrication Facility

In July 1998, the Department of Energy notified the U.S. Fish and Wildlife Service of plans to locate the Surplus Plutonium Disposition Facilities at the Savannah River Site and solicited comment on the Surplus Plutonium Disposition Environmental Impact Statement. In your response (letter from Mr. R. Banks to Mr. M. Jones, September 8, 1998) you provided a listing of several species that are currently listed as endangered or threatened along with several species of concern that are known to exist in the Aiken, South Carolina area.

The Department of Energy has determined a preliminary site layout for the Mixed Oxide Fuel Fabrication Facility (one of the three surplus plutonium disposition facilities) which is illustrated on the enclosed map as site "2M". The Department of Energy also performed a survey of the Mixed Oxide Fuel Fabrication Facility site for wetlands, and endangered and threatened species or critical habitat. Enclosed is the survey report. We request your review and concurrence with the results of our survey.

Sincerely,

A. B. Gould, Director
Environmental Quality and Management E

kwd/aeo
Att.

The U.S. Fish and Wildlife Service (USFWS) has reviewed the plans for this proposed project. Based on our review and the information received, we concur with your determination that the proposed action:

will have no effect on resources under the jurisdiction of the USFWS that are currently protected by the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 et. seq.) (Act). Therefore, no further action is required under Section 7(a)(2) of the Act.

is not likely to adversely affect resources under the jurisdiction of the USFWS that are currently protected by the Act. Therefore, no further action is required under Section 7(a)(2) of the Act.

It is our opinion that the proposed action is not likely to have significant adverse wetland impacts. Please contact the Corps of Engineers for more information.

U.S. Fish and Wildlife Service, 176 Croghan Spur Road, Suite 200, Charleston, SC 29407, (843) 727-4707

USWS Log No. 46-01-I-305 Date 6-20-01

Paul Duncan

OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL

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To: Keith Dyer	From: Lori Duncan
Dept/Agency:	Phone #
Fax #	