

DEC 21 1989

Docket No.: 40-8820

Mr. Jake Gatrell
U. S. Department of Energy
EM 451
Washington, D.C. 20545

Dear Mr. Gatrell:

As discussed at our meeting held December 6, 1989, enclosed are portions of the Amax Docket pertinent to the transfer of Amax's Washington Bottoms, West Virginia, site to Department of Energy under §151(c) of the National Waste Policy Act of 1982. A chronological list of the enclosed documents is also provided, as well as a table of the data of the well monitoring.

Should you have any questions please call me at 492-0695.

Sincerely,

Original Signed by

Germain LaRoche, PhD.
Advanced Fuel and Special
Facilities Section
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
and Safeguards

Enclosures: As stated

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[GL/GATRELL LTR 12/12]

OFC	: IMAF	: IMIF	: IMAF	: IMSB	:	:
NAME	: GLaRoche:ls	: FBrown	: JSwift	: GS3051cm	:	:
DATE	: 12/20/89	: 12/24/89	: 12/27/89	: 12/27/89	:	:

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A Chronological List of Amax Related Documents

10/16/89 Department of Health, State of West Virginia. Includes the latest monitoring results.

09/19/89 Letter from P. Keppler, Amax, to L. Rouse, NRC. Includes proposed Trust Agreement, Schedule A to Trust Agreement, and proposed Local Government Agency agreement.

10/20/88 Letter from P. Keppler, Amax, to L. Rouse, NRC. Includes letter from D. Heydinger, State of West Virginia, to J. Kerrigan, Amax, explaining Amax's agreement with the state and the list of equipment with prices provided by Amax for the state's use.

03/08/88 Letter from L. Rouse, NRC, to P. Keppler, Amax. Includes License No. SMB-1418, a copy of Federal Register Notice of a Finding of No Significant Impact, an Environmental Assessment, and a Safety Evaluation Report for license renewal.

05/29/87 Letter from P. Keppler, Amax, to NRC with an application for a license renewal.

03/24/87 Letter from W. Crow, NRC, to P. Keppler, Amax, with an Environmental Assessment for releasing the property for unrestricted use.

01/85 A Radiological Survey of the Amax site performed by ORAU.

10/23/85 Letter from State of West Virginia, indicating no channel erosion.

04/25/84 Letter from State of West Virginia, indicating the presence of Channell erosion onsite.

3/84 Stabilization Plan, Construction and Final Survey

03/11/83 Letter from State of West Virginia indicating the presence of channell erosion onsite.

07/12/83 Letter from State of West Virginia specifying that waste cell had been hydro-mulched.

02/10/83 Letter from J. Kerrigan, Amax to W. Nixon, NRC. Includes results of original radiological sampling of the four onsite wells.

05/03/82 Federal Register Notice of Negative Declaration Regarding Storage of Contaminated Soil Under License.

4/82 Environmental Impact Appraisal for a license to stabilize the Amax site.

06/23/81 Memo from W. Nixon, NRC, to R. Page, NRC, of a report of a fire on the Amax site.

06/10/81 Letter from E. Bingham, Amax, to W. Crow, NRC, with an application
for a license for interim safe storage LLW.

05/29/81 Letter from P. Keppler, Amax, to W. Crow, NRC, with Stabilization
Plan.

9/80 Radiological Assessment and Stabilization Scenarios

9/80 Geotechnical Investigations

8/80 Hydrogeology

12/01/78 Radiological Assessment, Volumes 1 & 2.

12/15/82
to
10/06/89 Summary of Radiological Sampling of Wells.

Radiological Sampling of Wells at Amax's Washington Bottoms, West Virginia Site.

Results are given as Activity of Nuclides in pCi/l @ 95% C.L.

WELLS

Date	1		2		3		4	
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta
12/15/82	0.33±0.07	1.11±0.42	0.32±0.07	1.24±0.43	N/D	3.94±0.43	0.67±0.08	1.7±0.43
06/29/83	0.59±0.08	0.63±0.41	0.59±0.08	0.63±0.41	2.31±0.09	7.04±0.43	0.28±0.07	0.42±0.42
10/05/83	1.20±1.10	0.35±2.18	0.30±1.34	1.06±2.23	2.25±3.97	3.65±5.51	0.60±1.47	1.46±2.20
04/12/84	ND	2.75±4.44	2.50±2.37	1.28±4.32	0.72±3.19	5.49±8.88	N/D	4.88±9.04
10/05/84	1.41±2.48	10.56±3.54	0.41±1.82	8.09±3.33	1.07±2.63	1.50±3.06	1.83±2.59	3.68±3.00
/ /85								
10/16/85	0.57±1.40	1.68±1.70	THESE WELLS WERE DRY					
04/28/86	0.83±2.56	1.80±3.35	WELLS DRY				PUMP NOT	WORKING
07/18/86	0.60±1.70	0.33±2.10	1.80±2.08	2.00±2.22	0.75±2.12	0.73±2.65	1.13±2.25	0.73±2.65
10/03/86	2.10±2.17	1.46±2.60	0.27±1.44	0.17±2.30	1.03±2.05	3.54±3.19		
4/28/87	2.00±7.49	0.80±3.14	2.00±7.49	-0.91±3.18	3.00±7.75	3.64±3.34	0.94±6.77	2.24±4.50
10/29/87	1.14±2.28	8.4 ±3.14	1.06±2.99	3.38±3.08	0.34±1.54	2.13±2.69	1.82±2.88	6.57±3.87
04/13/88	0.94±1.66	1.06±2.47	2.19±2.07	0.65±2.44	0.31±1.40	0.08±2.40	2.15±2.26	0.33±3.29
10/13/88	NO SAMPLES	NOT OBTAINED	BECAUSE OF DRY CONDITIONS					
04/21/89	5.01±3.86	2.43±2.51						
10/06/89	0.18±2.09	1.61±2.95	2.25±3.85	1.69±4.48				