



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JUN 12 1980

MEMORANDUM FOR: George Beveridge, Technical Assistant ✓
Program Support Branch, NMSS

FROM: Janet Braun
Licensing Process and Integration Branch, WM

SUBJECT: FOIA REQUEST FROM JIM ROBEY (NMSS 800670)

In regard to this FOIA 80-278 request for:

- a) a list of nuclear waste depots around the U.S.,
- b) how are they found, and
- c) the cost in each state,

our office is providing the following information relevant to this request.

1. We interpret this request for information concerning nuclear waste depots within NRC's regulatory authority, to be licensed commercial sites for long-term storage or disposal of waste.

a) Commercial High-Level Waste (including spent fuel)

Currently there are no commercial high-level waste repositories for disposal, or commercial chemical reprocessing plants for fuel reprocessing. Spent fuel is principally held in long-term storage at operating reactors. The General Electric Corporation facilities at Morris, Illinois and the Nuclear Fuel Services Corporation facilities at West Valley, New York, also have commercial spent fuel in storage. The latter facility has reprocessed fuels in the past and also has high-level liquid radioactive waste in storage.

b) Commercial Low-Level Waste

These wastes have been disposed of in six locations throughout the country - West Valley, New York; Morehead (Maxey Flats), Kentucky; Sheffield, Illinois; Beatty, Nevada; Hanford, Washington; Barnwell, South Carolina. Of the six locations, only three are currently receiving waste; they are Beatty, Nevada; Hanford, Washington; Barnwell, South Carolina. In addition, current NRC regulations permit small amounts of radioactive waste to be disposed into sanitary sewerage systems as per 20.303 of the Code of Federal Regulations, Title 10. Disposal of certain quantities of radioactive waste is permitted in water or air, commonly known as effluent releases, up to the limits given in Appendix B, Part 20, Title 10, CFR. NRC does not require a specific license for the above disposals and therefore does not have a listing of all such disposals.

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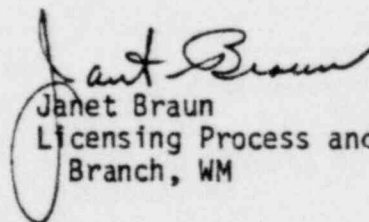
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c) Uranium Mill Tailings

Large quantities of uranium mill tailings have also been disposed of. The bulk of these radioactively contaminated materials have been at uranium milling facilities. A complete list of NRC licensed milling facilities is attached.

We are aware that radioactive waste long-term storage and disposal facilities are also operated by the U.S. Department of Energy (DOE). This information must be requested from DOE. In addition, some of NRC's licensing and regulatory authority has been turned over to Agreement States as per Part 150, Title 10, CFR. Those states are responsible for low-level waste storage and disposal and uranium milling disposal within the Agreement States Program, and may also license the disposal of naturally occurring or accelerator produced nuclear materials. These materials are not under NRC's authority or NRC's delegated authority. Information must be requested directly from the states.

2. Regarding cost information, NRC does not keep this type of information and you should request this from the companies that long-term store or dispose of waste under NRC or Agreement State licenses. Cost information for DOE facilities must come from DOE.
3. Regarding how these depots are found, we can only reply for depots under NRC authority. Except for disposal under 20.303, 20.304, or within Part 20 Appendix B limits, licensees or potential licensees must request specific licenses to long-term storage or dispose of nuclear waste. NRC requires a license application with supporting environmental data. NRC reviews the documentation to determine that the public health and safety will be assured with due conservation to the environment before a license can be issued.


Janet Braun
Licensing Process and Integration
Branch, WM

Enclosure: as stated

LICENSED URANIUM RECOVERY FACILITIES - URANIUM MILLS

SAME	LOCATION	DOCKET NUMBER	LICENSE NUMBER	EXPIRATION DATE
1. ATLAS MINERALS	Moab, UT	40-3453	SUA-917	04-30-84
2. BEAR CREEK URANIUM CO. (Rocky Mt. Energy Co.)	Converse Co. WY	40-8452	SUA-1310	07-31-82
3. EXXON MINERALS Highland Mill	Converse Co. WY	40-8102	SUA-1139	07-31-78*
4. FEDERAL AMERICAN PARTNERS	Gas Hills, WY	40-4492	SUA-667	01-31-76*
5. ENERGY FUELS NUCLEAR White Mesa Mill & OBS	Blanding, UT	40-8681	SUA-1358	08-31-84
6. MINERALS EXPLORATION CO. Sweetwater Mill	Sweetwater Co, WY	40-8584	SUA-1350	02-28-84
7. PATHFINDER MINES	Gas Hills, WY	40-2259	SUA-672	01-31-83
8. PATHFINDER MINES	Shirley Basin, WY	40-6622	SUA-442	09-30-82
9. PETROATOMICS COMPANY	Shirley Basin, WY	40-6659	SUA-551	04-30-81
10. PLATEAU RESOURCES	Shooting Canyon UT	40-8698	SUA-1371	09-30-84
11. BIO ALGOM Eneca Mill	LaSal, UT	40-2004	SUA-1119	09-30-82
12. TYA	Edgemont, SD	40-1341	SUA-816	02-29-76**
13. UNION CARBIDE CORP	Gas Hills, WY	40-299	SUA-648	03-31-76*
14. UNITED NUCLEAR CORP Morton Ranch	Converse Co, WY	40-8602	SUA-1356	05-31-84
15. WESTERN NUCLEAR, INC. Split Rock Mill	Jeffrey City, WY	40-1162	SUA-56	10-31-73*

* Timely Renewal

** Inoperative-Decommissioning

LICENSED URANIUM RECOVERY FACILITIES - R & D SOLUTION MINING

NAME	LOCATION	DOCKET NUMBER	LICENSE NUMBER	EXPIRATION DATE
1. CLEVELAND CLIFFS		40-8200	SUA-1199	05-31-79*
2. CLEVELAND CLIFFS	Collins Draw Campbell Co, WY	40-8714	SUA-1352	06-30-84
3. COTTER CORP	Johnson Co, WY	40-8511	SUA-1273	08-31-81
4. EXXON MINERAL	Converse Co, WY	40-8064	SUA-1064	08-31-81
5. ENERGY RESOURCES	San Juan Co, UT	40-8707	SUA-1351	(license never issued)
6. J & P CORP	Johnson Co, WY	40-8684	SUA-1337	08-31-83
7. KERR-MCGEE CORP	Carbon Co, WY	40-8586	SUA-1330	04-30-83
8. MINERALS EXPLORATION	Sweetwater Co, WY	40-8348	SUA-1223	01-31-80*
9. NUCLEAR DYNAMICS	Crook Co, WY	40-8663	SUA-1331	04-30-83
10. OGLE PETROLEUM	Fremont Co, WY	40-8693	SUA-1336	08-31-83
11. ROCKY MT. ENERGY CO.	Reno Ranch, WY	40-8697	SUA-1338	09-30-83
12. ROCKY MT. ENERGY CO. HALLIBURTON	Nine Mile Lake, WY	40-8380	SUA-1228	02-29-80*
13. TETON EXPLORATION	Converse Co, WY	40-8728	SUA-1373	01-31-85
14. WOLD NUCLEAR	Sweetwater Co, WY	40-8636	SUA-1329	TERMINATED
15. WYOMING MINERALS Irigaray Site	Johnson Co, WY	40-8304	SUA-1204	06-30-79*

* TIMELY RENEWAL

LICENSED URANIUM RECOVERY FACILITIES - BY-PRODUCT RECOVERY

NO	LOCATION	DOCKET NUMBER	LICENSE NUMBER	EXPIRATION DATE
1. EDGESTAKE MINING (Mine water)	San Juan Co, UT	40-8434	SUA-1249	06-30-79*
2. KERR-MCGEE NUCLEAR (Mine water IX)	Converse Co, WY	40-8727	SUA-1378	04-30-85
3. WYOMING MINERAL (Copper Leach Liquor)	Bingham Canyon, UT	40-8585	SUA-1315	09-30-82
4. BRUSH-WELLMAN (Beryllium Sol)	Delta, UT	40-8722	SUA-1354	06-30-84

LICENSED URANIUM RECOVERY FACILITIES - ORE BUYING STATIONS

1. ENERGY FUELS NUCLEAR	Hanksville, UT	40-8675	SUA-1325	09-30-84
2. PLATEAU RESOURCES	Blanding, UT	40-8674	SUA-1326	09-30-84

LICENSED URANIUM RECOVERY FACILITIES - OTHER FACILITIES

1. COTTER CORP (R&D Heap Leach)	Willow Creek, WY	40-8692	SUA-1370	09-30-84
2. FOLMES & NARVER (R&D Heap Leach)	Anaheim, CA	40-8550	SUA-1307	07-31-82
3. PLATEAU RESOURCES (R&D Heap Leach)	Shooting Canyon	40-7869	SUA-1013	09-30-78*

* TIMELY RENEWAL

LICENSED URANIUM RECOVERY FACILITIES - COMMERCIAL SOLUTION MINING

NAME	LOCATION	DOCKET NUMBER	LICENSE NUMBER	EXPIRATION DATE
1. OGLE PETROLEUM Bison Basin Facility	Fremont Co, WY	40-8745		
2. ROCKY MT. ENERGY CO.	Nine Mile Lake WY	40-8721		
3. WYOMING MINERALS	Johnson Co, WY	40-8502	SUA-1341	10-31-83