

August 3, 2006

Mr. Mike McCann
U.S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road
Suite 210
Lisle, IL 60532-4352

Battelle
The Business of Innovation

505 King Avenue
Columbus, Ohio 43201-2693
(614) 424-6424 Fax (614) 424-5263

Dear Mr. McCann:

**SUBMISSION OF DOCUMENTATION NECESSARY FOR TERMINATION OF THE
BATTELLE NRC LICENSE SNM-7 AS AN UNRESTRICTED USE SITE**

Battelle is submitting documentation to request termination of the Battelle NRC License SNM-7 as an unrestricted use site. In addition to the documents being submitted, documents that have previously been submitted to the NRC are referenced for completeness. In support of license termination, Battelle has completed the activities described in and in accordance with DD-93-19 "Decommissioning Plan Battelle Memorial Institute Columbus Operations" Revision 5. The attached and referenced documentation justifies the request for license termination as an unrestricted use site.

While Battelle intended to complete license termination activities prior to the SNM-7 license termination date of August 31, 2006, this no longer appears feasible based on longer than anticipated data reviews and the plan to collect supplemental groundwater samples at new monitoring well locations. Based on this planned activity and a planned duration possibly extending into September 2006 to obtain final analyses results, Battelle requests an extension of the end date of our license.

Summary of Documents Attached (2 copies each):

- 1) NRC Form 314 "Certification of Disposition of Radioactive Materials"
- 2) Final Status Survey Documentation contained in the document "Final Certification of Completion- Columbus Closure Project West Jefferson North Site West Jefferson, Ohio"
- 3) Table titled "NRC Reviewed Final Status Survey Report Change Summary" documenting changes to Final Status Survey Reports previously transmitted via letter by J. Jacobsen to G. McCann, NRC, dated June 2, 2006 with subject "Transmittal of Final Status Survey Reports and Associated Documentation from the Battelle West Jefferson, Ohio Site for NRC Review." The table documents any non editorial changes to final status survey documents reviewed by NRC which are referenced in that original letter.

RECEIVED AUG 07 2006

Mr. Mike McCann
U.S. Nuclear Regulatory Commission, Region III

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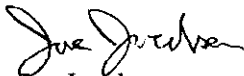
Summary of Documents Referenced (not attached):

- 1) "West Jefferson North Site Dose Assessment", submitted July 17, 2006.
- 2) "Environmental Report for Termination of the NRC License for Battelle Columbus and West Jefferson, Ohio" submitted June 30, 2006.

Battelle has also performed a documented closeout of our former nuclear material inventory with Nuclear Material Management and Safeguards System (NMMSS) effective on February 2, 2006. The closeout of the nuclear material inventory was completed with Mr. Jeff Anderson of NMSS.

If you have any questions or comments please do not hesitate to call me at 614-424-4098.

Sincerely,



Joe Jacobsen
BCLDP Radiation Safety Officer

Attachments (3): As stated

NRC FORM 314

(6-2004)
10 CFR 30.36(j)(1), 40.42(j)(1),
70.38(j)(1), and 72.54(j)(1)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB NO. 3150-0028

EXPIRES: 06/30/2007

CERTIFICATE OF DISPOSITION OF MATERIALS

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollections@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

LICENSEE NAME AND ADDRESS

Battelle Memorial Institute
505 King Avenue
Columbus, OH 43201-2693

LICENSE NUMBER

SNM-7

DOCKET NUMBER

070-00008

LICENSE EXPIRATION DATE

08/31/2006

A. LICENSE STATUS (Check the appropriate box)

☐ This license has expired.☒ This license has not yet expired; please terminate it.

B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

☐ 1. No radioactive materials have ever been procured or possessed by the licensee under this license.☒ 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner:☒ a. Transfer of radioactive materials to the licensee listed below:

See Table 1

☒ b. Disposal of radioactive materials:☐ 1. Directly by the licensee:☒ 2. By licensed disposal site:

See Table 1

☒ 3. By waste contractor:

See Table 1

☒ c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

C. SURVEYS PERFORMED AND REPORTED

☒ 1. A radiation survey was conducted by the licensee. The survey confirms:☐ a. the absence of licensed radioactive materials☒ b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.☒ 2. A copy of the radiation survey results:☒ a. is attached; or ☐ b. is not attached (Provide explanation); or ☐ c. was forwarded to NRC on:

Date

☐ 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and☐ a. The results of the latest leak test are attached; and/or☐ b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME

Joe Jacobsen

TITLE

BCLDP Radiation Safety Officer

TELEPHONE (Include Area Code)

(614) 424-4098

E-MAIL ADDRESS

jacobsenj@battelle.org

Mail all future correspondence regarding this license to:

Battelle /505 King Avenue/ Columbus, Ohio 43201-2693/ ATTN Joe Jacobsen JS-22

C. CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE

Jan Preston VP Corporate ES&H Battelle

SIGNATURE



DATE

08/03/2006

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

TABLE 1

RADIOACTIVE WASTE DISPOSAL

RADIOACTIVE WASTE DISPOSAL						
Shipped To	Waste Type	Volume cu. ft.	Type of Containers	Total Curies	Disposed At	Contact Address
IMPACT Services, Inc.	DOT Exempt - LLW	15,145	29 Dump Trailers	0.024	IMPACT IMPACT	ETTP Facility, Oak Ridge, TN 37830; Contact: Lee Young (865)576-8724
	DOT Exempt - LLW	175,564	323 Intermodals			
RACE	DOT Exempt - LLW	350,429	693 Intermodals	0.214	RACE	RACE, LLC, 2550 Channel Ave, Memphis, TN 38113; Contact: Les Brown (901)775-0690
Envirocare via ALARON	Class A (sent to ALARON for bulking)	577,908	1122 IM & 2 B-25s into 203 Gondolas	0 (all waste bulked sent to Envirocare)	Envirocare	Alaron, 2138 State Route 18, Wampum, PA 16157; Contact: Jonathan Wallace (724)535-1165
Envirocare	Class A LLW	1,980	22 B-25s	All Classes of LLW=14.2	Envirocare	Envirocare of Utah, LLC, Clive Disposal Site, Interstate 80 Exit 49, Clive, UT 84029; Contact: Allen Erichsen (801)532-1330
	Class A LLW	2,560	3 Sealand Vans			
	Class A LLW	255,420	473 Intermodals	All Classes of MLLW=0.0475		
	Class A MLLW	21	3-55 gallon Drums			
	Class A MLLW	180	2 B-25s			
	Class A MLLW	45	1 B-12			
	Class A MLLW	240	4 Tanks			
Class A MLLW	110	1 B-25 OP				
Barnwell	Cruciform & Co-60 Pig	17		98.992	Barnwell	Barnwell Waste Management Systems, Chem-Nuclear Systems, Osborn Rd, Barnwell, SC 29812; Contact: Jimmy Stitts (803)541-5013
Duratek	LLW	810	9 B-25s	3.83	Duratek	Duratek Inc - Commercial Processing, Bear Creek Operations, 1560 Bear Creek Rd, Oak Ridge, TN 37830; Contact: Mark Kent (800)663-2966
PECOS	Sources, cylinders, & Orb, MLLW	36	3-55 & 3-30 gallon Drums	0.075	PECOS	Pacific Eco Solutions (PECOS), 2025 Battelle Blvd, Richland, WA 99352; Contact: Rosemary Vickers (509)308-6842
Permafrix	Hg & PCB, MLLW	22	3-55 gallon Drums	4.673E-04	Permafrix	Perma Fix Materials & Energy Corporation, Highway 58, Building K1005, Oak Ridge, TN 37830; Contact: Kimberly Hurd (865)574-0149
NSSI	Pu/Be source, MLLW	8	2-30 gallon Drums	1.08	NSSI	NSSI/Sources & Services, Inc, 5711 Etheridge, Houston, TX 77087; Contact: Carlos Rincon (713)641-0391
NTS	LLW (sent via DOE Fernald certification)	1,712	IP-2 SL (2) (1 W/ 3 B-25s)	12.866	Nevada Test Site	Nevada Test Site (NTS), USDOE, Bechtel Nevada Company, Inc, Nevada Test Site, Mercury, NV 89023; c/o Donna Allen USDOE Fluor Fernald, Inc (513)738-2073
Savannah River Site	Transuranic Waste	1,310	6-SWBs, 115- 55 gallon Drums, 2-72B Cask Canisters	2477.03	Savannah River Site	Savannah River Site, Westinghouse Savannah River Company, Building 705B 3C, Aiken, SC 29808; Contact: Tony Nasol (803)557-6338

RADIOACTIVE MATERIAL TRANSFERS

Recipient	Material transferred	Type of Containers	Total Curies	Date of Transfer	Contact Address and License Number
Qual-X	Krypton Gas (Kr-85)	18 Cylinders (1-30 gallon drum)	4.71E-04	6/15/2005	Qual-X, 3039 Home Rd, Powell, OH 43065; Contact: Russ Mahon (740)881-5544; State of Ohio License # 03214210003
IMPACT	Forklift	as is	9.00E-09	2/2/2006	IMPACT Services, Inc, ETTP Building K-1220, 2010 Highway 58, Oak Ridge, TN 37830; Contact: Bobby Parrot (865)805-6693; State of Tennessee License # R-73024-E07
	Skid Steer/Genie Lift	as is	6.00E-04	1/18/2006	

ALL WASTE CHARACTERIZATION AND ESTIMATES FOR RADIOACTIVE MATERIAL TRANSFERS PERFORMED BY USE OF SITE TECHNICAL BASIS DOCUMENT TITLED

NRC Reviewed Final Status Survey Report Change Summary

Report Title	Change Summary
Active North Filter Bed Discharge Line	<ul style="list-style-type: none">• Section 4.2, Added discussion on the Cs-137 ratio usage for soils• Section 4.2.1, Added clarification on survey requirements and soil ratio calculation basis• Table 2, Added details on soil screening criteria
Abandoned Middle Filter Bed	<ul style="list-style-type: none">• Added Tables 5A, 11, 12, 16 for data clarification purposes• Section 4.2, Added discussion on the Cs-137 ratio usage for soils• Section 4.2.1, Added clarification of survey requirements and soil ratio calculation basis• Section 6.1, Added clarification of exposure rate survey parameters• Section 6.2, Added clarification of soil sampling criteria and presentation of associated tables• Section 6.3, Added clarification to scanning measurement survey parameters• Table 2, Added details on soil screening criteria

June 2, 2006

Mr. Mike McCann
U.S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road
Suite 210
Lisle, IL 60532-4352

Battelle
The Business of Innovation
505 King Avenue
Columbus, Ohio 43201-2693
(614) 424-6424 Fax (614) 424-5263

Dear Mr. McCann:

Subject: Transmittal of Final Status Survey Reports and Associated Documentation from the Battelle West Jefferson, Ohio Site for NRC Review.

I am transmitting copies of the following final status survey reports and associated documentation to you for the purposes of NRC review:

- ✓ 1. Final Columbus Closure Project Characterization and Final Status Survey Report for the JN-3 Foundation Area, Rev. 1, May 23, 2006, prepared by ECC&E2 Closure Services, 1425 State Route 142 East, West Jefferson, Ohio 43162.
2. Final Columbus Closure Project Characterization and Final Status Survey Report for Active North Filter Bed-North Subsurface Sand Filter, Rev 1. May 16, 2006, prepared by ECC&E2 Closure Services, 1425 State Route 142 East, West Jefferson, Ohio 43162.
3. Final Columbus Closure Project Characterization and Final Status Survey Report for the JN-4 North Grounds Area, Rev. 1, May 22, 2006, prepared by ECC&E2 Closure Services, 1425 State Route 142 East, West Jefferson, Ohio 43162.
4. Final Columbus Closure Project Characterization and Final Status Survey Report for Active North Filter bed - South Subsurface Sand Filter, Rev. 0, August 2005, prepared by ECC&E2 Closure Services, 1425 State Route 142 East, West Jefferson, Ohio 43162.
5. Final Columbus Closure Project Characterization and Final Status Survey Report for the JN-1B Fuel Pool, Transfer Canal and both the inside and outside Sumps, Volume 1, Rev. 0, May 2005, prepared by ECC&E2 Closure Services, 1425 State Route 142 East, West Jefferson, Ohio .

6. Final Battelle Columbus Laboratories Decommissioning Project Characterization and Final Status Survey Report JN-4 Yard and Drain Pipe Removal, Rev. 0, May 2006, prepared by Battelle 1425 State route 142 East, West Jefferson, Ohio 43162.
7. Final Report, Characterization and Final Status Report for the West Jefferson North Abandoned Discharge Pipe from Battelle Columbus Operations, 505 King Avenue, Columbus, Ohio 43201, April 2001.
8. Columbus Closure Project, Final Characterization and Final Status Report. For the Abandoned Middle Filter Bed, Revision 0, July 2005.@ Prepared by ECC & E2 Closure Services, 1425 State Route 142 East, West Jefferson, OH 43162. Also, Oak Ridge Institute for Science and Education (ORISE) letter dated January 10, 2005, ADocument Review -Comments on The Columbus Closure Project, Final Characterization and Final Status Survey Report For the Abandoned Middle Filter Bed, West Jefferson, Ohio,@ and letter dated February 7, 2005, ALetter Report-Verification Survey of the Abandoned Middle Filter Bed and Manhole E to Manhole E-E1 Sewer Line Columbus Closure project, West Jefferson, Ohio.
9. Columbus Closure Project, Final Characterization and Final Status Report For the Active North Filter Bed Discharge Line, Revision 0, August 2005.@ Prepared by ECC & E2 Closure Services, 1425 State Route 142 East, West Jefferson, OH 43162. Also, Oak Ridge Institute for Science and Education (ORISE) letter dated May 9, 2005, ADocument Review -Comments on The Columbus Closure Project, Draft Characterization and Final Status Survey Report For the Active North Filter Bed Discharge Line, West Jefferson, Ohio,@ and letter dated February 9, 2006, Final Report-Verification Survey for the JN-1 Fuel Pool, Transfer Canal and the Inside and Outside Sumps, the Jn-2 Sanitation Lines Sections B and C, the Jn-3 Foundation Area, and The Active North Filter Bed Discharge Line, Columbus Closure Project West Jefferson, Ohio.
10. Columbus Closure Project, Final Characterization and Final Status Survey Report For the JN-1/4 Sanitary Sewer Line, Revision 0, March 23, 2006.@ Prepared by ECC & E2 Closure Services, 1425 State Route 142 East, West Jefferson, OH 43162. Also, Oak Ridge Institute for Science and Education (ORISE) letter dated March 10, 2006, ADocument Review and Draft Report-Type A Verification on the JN-1/4 Sanitary Sewer Line, Columbus Closure Project, West Jefferson, Ohio,
11. Columbus Closure Project, Final Characterization and Final Status Survey Report For the WJN Well House Building, Revision 0, May 24, 2006.@ Prepared by ECC & E2 Closure Services, 1425 State Route 142 East, West Jefferson, OH 43162. Also, Oak Ridge Institute for Science and Education (ORISE) letter dated March 28, 2006, ADocument Review-Comments on

the Columbus Closure Project Draft Characterization and Final Status Survey Report for the WJN Well House Building, West Jefferson, Ohio,@ and Letter dated March 22, 2006, ADraft Letter Report- Verification Survey Results for the Well House Building, Columbus Closure Project West Jefferson Ohio.

12. Columbus Closure Project, Final Characterization and Final Status Survey Report For the Cooling Waste Sewer Line-West Section, Revision 0, May 17, 2006.@ Prepared by ECC & E2 Closure Services, 1425 State Route 142 East, West Jefferson, OH 43162. Also, Oak Ridge Institute for Science and Education (ORISE) letter dated March 13, 2006, ADocument Review-Comments on the Columbus Closure Project Draft Characterization and Final Status Survey Report for the JN-3 Cooling Waste Line-West Section, West Jefferson, Ohio,@ and Letter dated March 17, 2006, ADraft Letter Report-In-Process Inspection Results for the Western Section of the Chemical Waste Line Excavation, Columbus Closure Project, West Jefferson Site, West Jefferson, Ohio.
13. Columbus Closure Project, Final Characterization and Final Status Survey Report For the JN-2 Sanitation Line Section A, Revision 0, May 23, 2006.@ Prepared by ECC & E2 Closure Services, 1425 State Route 142 East, West Jefferson, OH 43162. Also, Oak Ridge Institute for Science and Education (ORISE) letter dated December 13, 2005, ADocument Review-Comments on the Columbus Closure Project Draft Characterization and Final Status Survey Report for the JN-2 Sanitary Line Section A, West Jefferson, Ohio,@ and letter dated January 25, 2006, ADraft Letter Report-Verification Survey Results for the JN1-4 Bog Area, SS-JN1-2 Outfall Area, Jn-2 Sanitation Line (Section A), and Active Middle Filter Bed, Columbus Closure Project, West Jefferson Site, West Jefferson, Ohio.
14. Columbus Closure Project Characterization and Final Status Survey Report for Building JN-6, Rev. 1, July 2004, prepared by ECC&E2 Closure Services, 1425 State Route 142 East, West Jefferson, Ohio. Verified by in-office review, NRC letter to Battelle dated August 13, 2004.
15. Final Columbus Closure Project, Characterization and Final Status and Survey Report for Building JN-2, Volume 1 and 2, Rev.0, November 2004, prepared by ECC&E2 Closure Services, 1425 State Route 142 East, West Jefferson, Ohio.. Verified during inspection NRC inspection, Report Number 070-00008/2004-002, and NRC letter to Battelle dated November 22, 2004.

16. Final Columbus Closure Project, Characterization and Final Status Survey Report for Building JN-3, Volume 1 and 2, Rev.0, November 2004, prepared by ECC&E2 Closure Services, 1425 State Route 142 East, West Jefferson, Ohio.. Verified during inspection NRC inspection, Report Number 070-00008/2004-002, and NRC letter to Battelle dated December 7, 2004.
17. NRC Review of Final Status Survey and Technical Basis Document for the Unrestricted Release of the Sanitary Sewer Line Beneath Lake Battelle and the Lake Battelle Dam, NRC letter to Battelle dated November 10, 2004.

If I can be of any further assistance please contact me at 614-424-4098.

Regards,



Joe Jacobsen

BCLDP RSO