

Department of Energy

Portsmouth/Paducah Project Office 1017 Majestic Drive, Suite 200 Lexington, Kentucky 40513 (859) 219-4000 August 7, 2023

Mr. David Ruckstuhl, Prime Contracts Manager Four Rivers Nuclear Partnership, LLC 5511 Hobbs Road Kevil, Kentucky 42053 PPPO-02-10025163-23

Dear Mr. Ruckstuhl:

DE-EM0004895: APPROVAL OF DELIVERABLE NO. 11, URANIUM ENRICHMENT TOXIC SUBSTANCES CONTROL ACT QUARTERLY REPORT, APRIL 1 THROUGH JUNE 30, 2023

Reference: Letter from M. Redfield to M. Fultz, "Four Rivers Nuclear Partnership, LLC—

For Approval—Deliverable No. 11—Uranium Enrichment Toxic Substances Control Act Quarterly Report for the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, April 1 through June 30, 2023, FRNP-RPT-0308," (FRNP-23-7406),

dated July 25, 2023

The U.S. Department of Energy (DOE) reviewed the Four Rivers Nuclear Partnership, LLC submittal of Deliverable No. 11, Uranium Enrichment Toxic Substances Control Act Quarterly Report, April 1 through June 30, 2023, FRNP-RPT-0308, and has no comments. Therefore, DOE approves this deliverable as submitted.

If you have any questions or require additional information, please contact Ryan Callihan at (740) 897-2835.

Sincerely,

JOSEPH COX Digitally signed by JOSEPH COX Date: 2023.08.07 09:01:14 -04'00'

Joseph D. Cox Contracting Officer Portsmouth/Paducah Project Office cc:

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Uranium Enrichment Toxic Substances Control Act Quarterly Report for the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, April 1 through June 30, 2023



This document is approved for public release per review by:

KEVIN BEASLEY (Affiliate)

Digitally signed by KEVIN BEASLEY (Affiliate)

Date: 2023.07.24 06:23:36 -05'00'

FRNP Classification Support

Date

Uranium Enrichment Toxic Substances Control Act Quarterly Report for the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, April 1 through June 30, 2023

Date Issued—July 2023

U.S. DEPARTMENT OF ENERGY Office of Environmental Management

Prepared by
FOUR RIVERS NUCLEAR PARTNERSHIP, LLC,
managing the
Deactivation and Remediation Project at the
Paducah Gaseous Diffusion Plant
under Contract DE-EM0004895



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ACRONYMS

CA Compliance Agreement

CFR Code of Federal Regulations

DOE U.S. Department of Energy

EPA U.S. Environmental Protection Agency

FLS front line supervisor

FRNP Four Rivers Nuclear Partnership, LLC

GIS geographic information system

IH industrial hygiene

PGDP Paducah Gaseous Diffusion Plant

PSS plant shift superintendent PVC polyvinyl chloride

QC quality control SMO sample management office

SW Sherwin-Williams Company TSCA Toxic Substances Control Act

USEC United States Enrichment Corporation



1. INTRODUCTION

The Toxic Substances Control Act (TSCA) Compliance Agreement (CA) was signed by the U.S. Department of Energy (DOE) and the U.S. Environmental Protection Agency (EPA) on February 20, 1992, modified in 1997, and modified again on May 30, 2017. The original TSCA CA required quarterly reports summarizing progress toward completing polychlorinated biphenyl (PCB)-related compliance measures. These measures included troughing, air sampling, process lubrication oil removal, spill cleanup, and disposal. As of March 30, 1994, the troughing interim measure was completed. Ongoing inspections of ventilation duct and troughing systems are performed to identify leaks or spills requiring additional troughing or trough maintenance. Subsequent to the May 30, 2017, modification, only PCB spill cleanup progress is required to be reported on a quarterly basis. The quarterly reports will be maintained at the DOE Site Office and are available to EPA, upon request, 45 days following the end of the quarter. The quarterly reports are required to be included in DOE's Annual CA Report. The following summary satisfies the modified TSCA CA quarterly reporting requirements for April 1, 2023, through June 30, 2023.

2. COMPLIANCE MEASURES

2.1 SPILL CLEANUP

2.1.1 Requirements

Attachment I, Section 2 (C), of the TSCA CA states the following:

Spill Cleanup – PCBs and PCB-contaminated oil that may leak onto building floors shall be cleaned up in accordance with the EPA Spill Cleanup Policy. For spills > 500 ppm PCBs, this shall consist of cleanup to 10 µg PCB/100 cm² with 95% confidence, based on the statistical sampling approach set forth in Attachment III, which shall be used within the spill area to verify cleanup to appropriate levels or, alternatively, to 100 µg PCB/100 cm² with 95% confidence, based on the statistical sampling approach set forth in Attachment III, which shall be used within the spill area to verify cleanup to appropriate levels followed by application of an appropriate sealant, such as a 2-layered epoxy-type paint. All spill cleanups will be initiated within 24 hours of discovery, excluding historical spills which are defined as PCB stains resulting from spills which have occurred prior to the effective date of the February 20, 1992 Compliance Agreement. Historical spills may be left in place until demolition of the facility, provided public access to the facility is restricted to prevent unauthorized entry. In the event that a new spill should occur on a historical spill site, and the appropriate standard specified above cannot be met after best efforts to meet the standard are made, DOE may request that EPA consider the efforts DOE has made and classify the spill area as a historical spill for purposes of the cleanup under this Agreement.

2.1.2 Work Completion Date

None listed.

2.1.3 Activity for this Quarter

2.1.3.1 Gasket spills

Gasket spill sites 1941, 1952, 1953, 2019, 2028, 2029, 2030, 2031, 2032, 2033, and 2034 were pending post-cleanup verification at the beginning of this reporting period. Four new gasket spills—2035, 2036, 2037, and 2038—were identified in the process buildings during the reporting period. No gasket spill sites were closed during the reporting period. Fifteen gasket spill sites—1941, 1952, 1953, 2019, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, and 2038—were pending post-cleanup verification at the end of this reporting period. A detailed description of all open gasket spills is provided in Table 1.

All PCB gasket spills identified were high-concentration PCB spills [i.e., from a source of 500 parts per million (ppm) or greater in PCB concentration]. Cleanup of each identified spill site was initiated within 24 hours, in accordance with the original TSCA CA. Clearly visible signs have been posted at each spill site advising personnel to avoid the area in order to minimize the spread of contamination and the potential for human exposure. The cleanup documentation and the records are available for inspection.

2.1.3.2 Non-gasket spills

Non-gasket spill sites 748, 785, 847, 850, 853, 857, 858, and 867 were pending post-cleanup verification at the beginning of this reporting period. No new non-gasket spills were identified during the reporting period. No non-gasket spill sites were closed during the reporting period. Eight non-gasket spill sites—748, 785, 847, 850, 853, 857, 858, and 867—were pending post-cleanup verification at the end of this reporting period. A detailed description of all open non-gasket spills is provided in Table 2.

All PCB non-gasket spills identified were high-concentration PCB spills (i.e., from a source of 500 ppm or greater in PCB concentration). Cleanup of each identified spill site was initiated within 24 hours, in accordance with the original TSCA CA. Clearly visible signs were posted at the spill site advising personnel to avoid the area in order to minimize the spread of contamination and the potential for human exposure. The cleanup documentation and the records are available for inspection.

OPEN GASKET SPILL REPORT

REPORT	DATE	TIME	BUILDING	COLUMN	DAYS OPEN	COMMENTS	STATUS
1941	5/10/2011	1230	C-337	Gb-6	4445	3/2023 Update: Additonal PCB Caution signs added to barricade. 3/2021 Update: Developed Variance Request for Closure of PCB Spills for EPA review and approval. 6/8/2020 Update: PCB Crews return to onsite work and begin performing daily site inspections. 3/23/2020 Update: Non-critical PCB related work was halted in March 2020 due to the COVID-19 related Reduced Operating Posture. Daily spill site inspections were maintained by essential employees during routine rounds. 11/7/2018 Update: Spill site was discussed with EPA at Annual TSCA CA meeting. Requesting allowance to close as historic due to inaccessible areas in accordance with 40 CFR 761.30(p)(1)(iii)(A)(2). 9/20/2018 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced. 10/20/2017 FRNP becomes managing contractor for the Deactivation and Remediation Project at PGDP. 11/21/2014 management of open PCB spills transferred to DOE upon de-lease of operations at PGDP. DOE is responsible for the cleanup of all open PCB spills generated under the USEC lease period which ended in 2014. 5/16/11 Column Gb-6. Per phone conversation USEC initiated cleanup within 24 hours; further sampling is needed and cleanup will continue. Issued as 1939, USEC to get PSS to correct to 1941. Spill is caused by a hydraulic leak into the instrument duct; instrumentation within the U1C5 heated cubicle is coated, there is no pool [of oil]. Spill site has been flagged and posted. The door and access panel is ready for cleanup per USEC.	Incomplete

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REPORT	DATE	TIME	BUILDING	COLUMN	DAYS OPEN	COMMENTS	STATUS
1953	1/13/2012	0900	C-337	La-22	4197	3/2023 Update: Additonal PCB Spill signs and PCB Caution signs added to barricade. 12/2021 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 3/2021 Update: Developed Variance Request for Closure of PCB Spills for EPA review and approval. 6/8/2020 Update: PCB Crews return to onsite work and begin performing daily site inspections. 3/23/2020 Update: Non-critical PCB related work was halted in March 2020 due to the COVID-19 related Reduced Operating Posture. Daily spill site inspections were maintained by essential employees during routine rounds. 11/7/2018 Update: Spill site was discussed with EPA at Annual TSCA CA meeting. Requesting allowance to close as historic due to inaccessible areas in accordance with 40 CFR 761.30(p)(1)(iii)(A)(2). 4/12/2018 Update: Installed Aluminum pan under existing pan and ductwork. 3/7/2018 Update: PR submitted for aluminum pans to place under active leak. 10/20/2017 FRNP becomes managing contractor for the Deactivation and Remediation Project at PGDP. 11/21/2014 management of open PCB spills transferred to DOE upon de-lease of operations at PGDP. DOE is responsible for the cleanup of all open PCB spills generated under the USEC lease period which ended in 2014. 1/13/12 Oil dripping from open ductwork onto energized transformer U2-1-A. Initial cleanup completed by USEC on 1/13/12 at 1400.	Incomplete

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REPORT	DATE	TIME	BUILDING	COLUMN	DAYS OPEN	COMMENTS	STATUS
2019	3/6/2019	1211	C-333	C-11	1588	5/2021 Update: Sampling results received for 2S sampling event. Results show floor areas are <10 ug/100 cm2. Signage and flagging reduced to area just around the filter frame. 3/2021 Update: Developed Variance Request for Closure of PCB Spills for EPA review and approval. 3/31/2021 Update: 2s sampling event of area CN completed. 6/8/2020 Update: PCB Crews return to onsite work and begin performing daily site inspections. 3/23/2020 Update: Non-critical PCB related work was halted in March 2020 due to the COVID-19 related Reduced Operating Posture. Daily spill site inspections were maintained by essential employees during routine rounds. 3/16/2020 Update: Signs and flagging removed around Areas A, B, and CS of this spill. Signs and flagging around area CN left in place. Spill site is still considered active. 3/12/2020 Update: Data received, assessed, and deemed usuable. 3 of the 4 areas within in the spill can be closed. The area nearest the door in the filter house had one hit over 10 ug/100 cm2. This area to remain open to be recleaned and sampled. 1/23/2020 Update: 1s Sampling event completed. 12/2/2019 Update: Sampling request submitted to SMO. 11/19/2019 Update: Spill site was discussed with EPA at Annual TSCA CA meeting. 10/23/2019 Update: Additional measurements provided to GIS Specialist. 9/2019 Update: Additional measurements requested by GIS Specialist in order to create sampling grid. 8/2019 Update: Flagging requires straightening due to wind from rollup door being open. 7/24/2019 Update: Spill site is cleaned. Sampling to be requested. 6/2019 Update: Due to size of spill area double wash/double rinse cleaning continues on multiple days. 5/8/2019 Update: Mini-scrubbers received. 5/1/2019 Update: Due to size of spill site cleanup is ongoing. Mini-scrubbers ordered for spill cleanup. 4/2019 Update: Due to size of spill cleanup is ongoing. Mini-scrubbers ordered for spill cleanup. 4/2019 Update: Due to size of spill cleanup is ongoing. Mini-scrubbers ordered for spill cleanup. 4/2019 Update: Due to size o	Incomplete

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REPORT	DATE	TIME	BUILDING	COLUMN	DAYS OPEN	COMMENTS	STATUS
2028	10/11/2022	0757	C-331	G-18	273	2/23/2023 Update: Sampling request submitted to SMO. 2/15/2023 Update: Repairs to PVC vent duct troughing system completed. 1/2023 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/2023 Update: Work Request submitted and Work Order created to make repairs to troughing system in order to stop leak. 11/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 10/11/2022 Update: Oil observed running down PVC elbow of vent duct collection sytem and dripping onto floor in Electrician Breaker Area. Spill occurred near manhole. Manhole cover removed and area visually inspected. No evidence of PCB liquids entering manhole area. Area posted with PCB spill signs, flagging, and PCB Caution signs. Area is double washed with solvent PowerCleaner 5000 followed by a rinse of Formula 409.	Incomplete
2029	10/25/2022	0840	C-333	Qa-7	259	2/23/2023 Update: Sampling request submitted to SMO. 3/2023 Update: Additional PCB Caution sides added to barricades. 2/8/2023 Update: Repairs to PVC vent duct troughing system completed. 11/2022 Update: Work Request submitted and Work Order created to make repairs to troughing system in order to stop leak. 10/25/2022 Update: Small spill area approximately 4'x4' found on ground floor near column Qa-7. Oil appears to be on Caution Barricade tape as well. Barricade tape removed and discarded as PCB waste. PVC pipe broken in vent duct trough system over spill area. Area posted with PCB spill signs, flagging, and PCB Caution signs. Area is double washed with solvent PowerCleaner 5000 followed by a rinse of Formula 409.	Incomplete
2030	11/3/2022	1200	C-333	M-4	250	3/2/2023 Update: Sampling request submitted to SMO. 2/15/2023 Update: Repairs to PVC vent duct troughing system completed. 11/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. Work Request submitted and Work Order created to make repairs to troughing system in order to stop leak. 11/3/2022 Update: Spill area approximate 10"x12" found near equipment barricade near column M-4. Spill appears to be from drip pan for vent duct troughing system above the area dripping onto the floor. Area posted with PCB spill signs, flagging, and PCB Caution signs. Area is double washed with solvent PowerCleaner 5000 followed by a rinse of Formula 409.	Incomplete

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REPORT	DATE	TIME	BUILDING	COLUMN	DAYS OPEN	COMMENTS	STATUS
2031	11/17/2022	0955	C-335	D-17	236	2/23/2023 Update: Sampling request submitted to SMO. 2/15/2023 Update: Repairs to PVC vent duct troughing system completed. 1/2023 Update: Work Request submitted and Work Order created to make repairs to troughing system in order to stop leak. 11/17/2022 Update: Liquid is dripping from vent duct troughing elbow onto ground floor between columns D-17 and C-17. Perimeter of spill appears to be 10" x 12". Area taped off and cleaned is approximately 18" x 24". Area posted with PCB spill signs, flagging, and PCB Caution signs. Area is double washed with solvent PowerCleaner 5000 followed by a rinse of Formula 409.	Incomplete
2032	12/29/2022	0947	C-337	N-24	194	6/28/2023 Update: Sampling request submitted to SMO. 2/21/2023 Update: Repairs to PVC vent duct troughing system completed. 1/2023 Update: Work Request submitted and Work Order created to make repairs to troughing system in order to stop leak. 12/29/2022 Update: Ventilation Duct PVC troughing line broke and allowed oil to drip on a cable cord protector. Oil is only visible on the protector. No oil is visible on the concrete floor. Area posted with PCB spill signs, flagging, and PCB Caution signs. Area on the floor is double washed with solvent PowerCleaner 5000 followed by a rinse of Formula 409 as a precaution.	Incomplete
2033	2/6/2023	1043	C-333	Fy-11	155	6/2023 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 6/28/2023 Update: Sampling request submitted to SMO. 3/15/2023 Update: Work Request submitted and Work Order created to make repairs to troughing system in order to stop leak. 2/6/2023 Update: Oil observed dripping from vent duct pvc lines. Area posted with PCB spill signs, flagging, and PCB Caution signs. Area on the floor is double washed with solvent PowerCleaner 5000 followed by a rinse of Formula 409 as a precaution.	Incomplete
2034	3/29/2023	1345	C-333	Ja-24	104	6/28/2023 Update: Sampling request submitted to SMO. 5/2023 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 4/13/2023 Update: Work Request submitted and Work Order created to make repairs to troughing system in order to stop leak. 3/29/2023 Update: Oil observed dripping from vent duct pvc lines. Area posted with PCB spill signs, flagging, and PCB Caution signs. Area on the floor is double washed with solvent PowerCleaner 5000 followed by a rinse of Formula 409 as a precaution.	Incomplete

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REPORT	DATE	TIME	BUILDING	COLUMN	DAYS OPEN	COMMENTS	STATUS
2035	4/20/2023	1321	C-333	J-15	82	6/2023 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 6/28/2023 Update: Sampling request submitted to SMO. 4/20/2023 Update: PCB oil was observed dripping from troughing system where a 90 degree joint had separated from the PVC ventilation duct. An area approximately 3 ft by 3 ft was taped off. Spill area was double washed and double rinsed per procedure CP3-WM-0034, using a solvent of PowerClean 5000 followed by a rinse of cleaner of Formula 409, as necessary to remove residue remaining on the concrete surfaces.	Incomplete
2036	5/1/2023	1322	C-333	Qx-24	71	6/2023 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 6/28/2023 Update: Sampling request submitted to SMO. 5/3/2023 Update: Work Request submitted and Work Order created to make repairs to troughing system in order to stop leak. 5/1/2023 Update: Oil observed dripping from broken vent duct pvc line. Area posted with PCB spill signs, flagging, and PCB Caution signs. Area on the floor is double washed with solvent PowerCleaner 5000 followed by a rinse of Formula 409 as a precaution.	Incomplete
2037	5/7/2023	1700	C-333	Q-12	65	7/6/2023 Update: Sampling request submitted to SMO. 5/2023 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 5/9/2023 Update: PCB crew returned to spill site at approximately 0745. Dripping in the area had stopped. The PCB crew begins cleanup by removing wet absorbent pads, socks, and drying the area. Area on the floor is double washed with solvent PowerCleaner 5000 followed by a rinse of Formula 409 as a precaution. Area is covered with plastic and covered in absorbent pads. 5/8/2023 Update: PCB crew arrived at spill area at approximately 0730. The area had previously had Caution barricade tape placed around spill area; PCB spill site signs and caution signs were applied to caution tape. After assessing the area the crew began picking up wet absorbent pads and putting down duct tape to designate spill area. Several drips were observed at this time. The crew paused in order to discuss what could be done about the dripping. During crew discussions the water began leaking at a greater rate from the cell floor. Water leaking from cell floor entered vent duct system at a such a rate it caused the collection trough/pan to overflow. The water was then observed dripping from metal vent duct pan and onto the concrete floor. The crew placed more absorbent pads, exited the area, and notified facility/project management of the issue. Project management had round sock absorbents delivered to the area. Upon arrival the PCB crew placed absorbent socks around area to prevent spread. Crew exited area to allow dripping to stop. Crew returned to area at approximately 1230 and area was still dripping. 5/7/2023 Update: Notified via email of spill at 1812.	Incomplete

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Open Spills: 15

REPORT	DATE	TIME	BUILDING	COLUMN	DAYS OPEN	COMMENTS	STATUS
2038	5/7/2023	1700	C-333	Qa-11	65	7/6/2023 Update: Sampling request submitted to SMO. 5/9/2023 Update: PCB crew returned to spill site at approximately 0745. Dripping in the area had stopped. The crew began cleaning PCB Spill site 2037. The PCB crew returns to spill area 2038 at approximately 1220. The PCB crew begins cleanup by removing wet absorbent pads, socks, and drying the area. Area on the floor is double washed with solvent PowerCleaner 5000 followed by a rinse of Formula 409 as a precaution. Area is covered with plastic and absorbent pads. 5/8/2023 Update: PCB crew arrived at spill area at approximately 0730. The area had previously had Caution barricade tape placed around spill area; PCB spill site signs and caution signs were applied to caution tape. After assessing the area the crew began picking up wet absorbent pads and putting down duct tape to designate spill area. Several drips were observed at this time. The crew paused in order to discuss what could be done about the dripping. During crew discussions the water began leaking at a greater rate from the cell floor. Water leaking from cell floor was observed dripping from PVC collection trough. The water was then observed dripping from PVC vent duct collection trough and onto transformer 36A1 and the concrete floor. The crew placed more absorbent pads on the floor, exited the area, and notified facility/project management of the issue. Project management had round sock absorbents delivered to the area. Upon arrival the PCB crew placed absorbent socks around area to prevent spread. Crew exited area to allow dripping to stop. Crew returned to area at approximately 1230 and area was still dripping. 5/7/2023 Update: Notified via email of spill at 1812.	Incomplete

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OPEN NON-GASKET SPILL REPORT

REPORT	DATE	TIME	BUILDING	COLUMN	DAYS OPEN	COMMENTS	STATUS
748	6/27/2004	1555	C-337	E-30	6953	3/2023 Update: Additonal PCB Caution signs added to barricade. 3/2021 Update: Developed Variance Request for Closure of PCB Spills for EPA review and approval. 8/30/2020 Update: Postings and flagging reduced to just around the transformer. Photos taken of encapuslation. 8/12/2020 Update: Finished applying clear coat. 8/10/2020 Update: Completed applying second coat of gray paint. 8/5/2020 Completed applying first coat of gray paint. 8/4/2020 Update: Completed applying second coat of white paint. 6/8/2020 Update: Completed applying second coat of white paint. 6/8/2020 Update: Completed applying second coat of white paint. 6/8/2020 Update: Completed applying second coat of white paint. 6/8/2020 Update: December of the COVID-19 related work was halted in March 2020 due to the COVID-19 related Reduced Operating Posture. Daily spill site inspections were maintained by essential employees during routine rounds. 3/3/2020 Update: Began second coat of white paint. Purchase Order created for more paint. 2/27/2020 Update: First coat of white paint completed. 2/20/2020 Update: Completed cleaning of spill area. 7/24/2019 Update: All concrete inside of affected spray area to be cleaned and encapsulated/fre-encapsulated. The spill area will be left open pending a decision by the EPA for the questions concerning closure of spills on equipment. 5/23/2019 Update: Walkdown of spill site to evaluate the possibility of encapsulation. 1/28/2019 Update: Approximately 1 quart of oil drained from sight glass. 11/7/2018 Update: Spill site was discussed with EPA at Annual TSCA CA meeting. Requesting allowance to close as historic in accordance with 40 CFR 761.30(p). 10/20/2017 FRNP becomes managing contractor for the Deactivation and Remediation Project at PGDP. 11/21/2014 management of open PCB spills transferred to DOE upon de-lease of operations at PGDP. DOE is responsible for the cleanup of all open PCB spills generated under the USEC lease period which ended in 2014. 12/15/10 update: Floor has been encapsulated, other areas have not	Incomplete

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Table 2. Open Non-Gasket Spill Report (Continued)

REPORT	DATE	TIME	BUILDING	COLUMN	DAYS OPEN	COMMENTS	STATUS
785	3/22/2006	1129	C-337	Ca-13	6320	3/2023 Update: Additonal PCB Spill signs and PCB Caution signs added to barricade. 3/2021 Update: Developed Variance Request for Closure of PCB Spills for EPA review and approval. 6/8/2020 Update: PCB Crews return to onsite work and begin performing daily site inspections. 3/23/2020 Update: Non-critical PCB related work was halted in March 2020 due to the COVID-19 related Reduced Operating Posture. Daily spill site inspections were maintained by essential employees during routine rounds. 11/19/2019 Update: Spill site was discussed with EPA at Annual TSCA CA meeting. 7/24/2019 Update: Spill occurred on the gauges on the east end of the transformer. The spill has similarities with spills 1952, 1953, and 748 in that it is on equipment. These spills were all discussed at the 2018 TSCA CA Annual Meeting. 5/23/2019 Update: Walkdown of spill site to evaluate the possibility of encapsulation. 1/28/2019 Update: Walkdown spill site. Verified no residual oils to be drained. 10/20/2017 FRNP becomes managing contractor for the Deactivation and Remediation Project at PGDP. 11/21/2014 management of open PCB spills transferred to DOE upon delease of operations at PGDP. DOE is responsible for the cleanup of all open PCB spills generated under the USEC lease period which ended in 2014. week of 12/3/10, Chem Ops will decon and area will be encapsulated. 7/30/09: TSCA Compliance audit, minor spigot leak with occasional drop of oil that does not reach the floor; drip is monitored. 4/14/08 update: incomplete, still active leak. U1 C10 Transformer 71P10B GE B983187 east end on plug at top of transformer side, leak onto side and gauge.	Incomplete

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Table 2. Open Non-Gasket Spill Report (Continued)

REPORT	DATE	TIME	BUILDING	COLUMN	DAYS OPEN	COMMENTS	STATUS
847	3/22/2011	0845	C-337	Nb-13	4494	3/2021 Update: Developed Variance Request for Closure of PCB Spills for EPA review and approval. 6/8/2020 Update: PCB Crews return to onsite work and begin performing daily site inspections. 3/23/2020 Update: Non-critical PCB related work was halted in March 2020 due to the COVID-19 related Reduced Operating Posture. Daily spill site inspections were maintained by essential employees during routine rounds. 11/19/2019 Update: Spill site was discussed with EPA at Annual TSCA CA meeting. 7/24/2019 Update: Spill occurred from top sampling valve onto three gauges below and floor. Floor was encapsulated on 8/10/2011. The spill has similarities with spills 1952, 1953, and 748 in that it is on equipment. These spills were all discussed at the 2018 TSCA CA Annual Meeting. 5/23/2019 Update: Walkdown of spill site to evaluate the possibility of encapsulation. 1/28/2019 Update: Walkdown spill site. Verified no residual oils to be drained. 10/20/2017 FRNP becomes managing contractor for the Deactivation and Remediation Project at PGDP. 11/21/2014 management of open PCB spills transferred to DOE upon delease of operations at PGDP. DOE is responsible for the cleanup of all open PCB spills generated under the USEC lease period which ended in 2014. 3/22/11: Spill site to be cleaned/sampled. Few drops on top sample valve of transformer Unit 6 Cell 1 A transformer.	Incomplete

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REPORT	DATE	TIME	BUILDING	COLUMN	DAYS OPEN	COMMENTS	STATUS
850	12/21/2011	0830	C-337	Lb-21	4220	3/2023 Update: Additonal PCB Spill signs and PCB Caution signs added to barricade. 8/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 7/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 6/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 5/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 3/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 3/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 3/2021 Update: Developed Variance Request for Closure of PCB Spills for EPA review and approval. 1/2021 Update: Material observed on absorbent pads. Absorbent pads. Absorbent pads cleaned up and replaced as necessary. 8/2020 Update: Material observed on absorbent pads. Absor	Incomplete

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REPORT	DATE	TIME	BUILDING	COLUMN	DAYS OPEN	COMMENTS	STATUS
						absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/28/2019 Update: .5 gallon of oil drained from sight glass. 1/2019 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 12/2018 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 11/2018 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 10/2018 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 9/2018 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 8/2018 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 8/2018 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 10/20/2017 FRNP becomes managing contractor for the Deactivation and Remediation Project at PGDP. 11/21/2014 management of open PCB spills transferred to DOE upon de-lease of operations at PGDP. DOE is responsible for the cleanup of all open PCB spills generated under the USEC lease period which ended in 2014. C-337 Unit 2 cell 1 tap sample valve on B transformer. A couple of drops.	
853 15	3/21/2012	0853	C-337	M-13	4129	3/2023 Update: Replacement PCB Spill signs added to barricade. 3/2021 Update: Developed Variance Request for Closure of PCB Spills for EPA review and approval. 6/8/2020 Update: PCB Crews return to onsite work and begin performing daily site inspections. 3/23/2020 Update: Non-critical PCB related work was halted in March 2020 due to the COVID-19 related Reduced Operating Posture. Daily spill site inspections were maintained by essential employees during routine rounds. 11/19/2019 Update: Spill site was discussed with EPA at Annual TSCA CA meeting. 7/24/2018 Update: The spill occurred from the top sampling valve resulting in guages, lines, and the floor being contaminated. Decon and encapsulate the floor portion. The rest of the spill has similarities with spills 1952, 1953, and 748 in that it is on equipment. These spills were all discussed at the 2018 TSCA CA Annual Meeting. 5/23/2019 Update: Walkdown of spill site to evaluate the possibility of encapsulation. 2/2019 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/2019 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/28/2019 Update: Walkdown spill site. Verified no residual oils to be drained. 10/20/2017 FRNP becomes managing contractor for the Deactivation and Remediation Project at PGDP. 11/21/2014 management of open PCB spills transferred to DOE upon delease of operations at PGDP. DOE is responsible for the cleanup of all open PCB spills generated under the USEC lease period which ended in 2014. Transformer 1-2-A leaking top sample valve. Few drips on guage and floor.	Incomplete

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REPORT	DATE	TIME	BUILDING	COLUMN	DAYS OPEN	COMMENTS	STATUS
857	3/20/2015	2208	C-337	Jb-29	3035	6/2023 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 3/2023 Update: Additonal PCB Spill signs and PCB Caution signs added to barricade. 7/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 6/2022 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 5/2022 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 3/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 3/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 2/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/2022 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 5/2021 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/2021 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/2021 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 9/2020 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 9/2020 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 8/2020 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 7/2020 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 7/2020 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 7/2020 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 7/2020 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 7/2020 Update: Material observed on absorbent pads.	Incomplete
16						necessary. 6/8/2020 Update: PCB Crews return to onsite work and begin performing daily site inspections. 3/23/2020 Update: Noncritical PCB related work was halted in March 2020 due to the COVID-19 related Reduced Operating Posture. Daily spill site inspections were maintained by essential employees during routine rounds. 3/2020 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 2/2020 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/2020 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 8/2019 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 8/2019 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 7/24/2019 Update: Decon and encapsulate spill area both inside and outside of dike area. Then close using inaccessible area allowance for the area under the transformer. 5/23/2019 Update: Walkdown of spill site to evaluate the possibility of encapsulation. 5/2/2019 Update: Walked down spill site in anticipation of encapsulation. 4/2019 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 3/2019 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 2/2019 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 1/2019 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 1/2019 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 1/2019 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 1/2019 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 1/2019 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 1/2019 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 1/2019 Update: Material observed on absorbent pads cleaned up and replaced as nece	

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replaced as necessary. 1/28/2019 Update: Approximately 1 quart of oil drained from sight glass. 12/2018 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary, 11/2018 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 10/2018 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 9/2018 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 8/2018 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 7/2018 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessay. 5/2018 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 10/20/2017 FRNP becomes managing contractor for the Deactivation and Remediation Project at PGDP. 5/10/16 update: Work Request No. 16050091 submitted to encapsulate. 5/5/16 update: 4S spill sampling results exceeded the TSCA clean-up level of <10 ug/100 cm2. 3/24/16 update: 4S sampling completed. 2/26/16 update: 4S sampling requested. 2/17/16 update: 3S spill sampling results exceeded the TSCA clean-up level of <10 ug/100 cm2. 12/21/15 update: Sampling completed. 12/7/15 update: Sampling requested. 3/20/15: C-337 72P4A transformer. Diked area around transformer and approx 10' by 10' area east of dike. Area between col Jb-29 to Jb-31 and col K-29 to K-31. Oil sheen spots on water in diked area and spot where water leaked from dike.

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REPORT	DATE	TIME	BUILDING	COLUMN	DAYS OPEN	COMMENTS	STATUS
858	5/27/2015	1745	C-337	Lb-21	2967	2/2023 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. Flagging and barricades were replaced. 1/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 3/2021 Update: Developed Variance Request for Closure of PCB Spills for EPA review and approval. 2/2021 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/2021 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 9/2020 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 8/2020 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 8/2020 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 7/2020 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 6/8/2020 Update: PCB Crews return to onsite work and begin performing daily site inspections. 3/23/2020 Update: Non-critical PCB related work was halted in March 2020 due to the COVID-19 related Reduced Operating Posture. Daily spill site inspections were maintained by essential employees during routine rounds. 3/2020 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 2/2020 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 1/2020 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/2019 Update: Walkdown of spill site to evaluate the possibility of encapsulation. 1/28/2019 Update: Walkdown spill site. Verified no residual oils to be drained. 8/2018 Update: Material observed on absorbent pads. Absorbent pads cle	Incomplete

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REPOR	T DATE	TIME	BUILDING	COLUMN	DAYS OPEN	COMMENTS	STATUS
19	7 1/10/2018	0925	C-337	G-29	2008	2/2023 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/2023 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 11/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 8/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 7/2022 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 6/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 5/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 3/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 3/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/2022 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 1/2022 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/2021 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 8/2021 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 8/2021 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 1/2021 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 1/2021 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 1/2021 Update: Material observed on absorbent pads. Absorbent pads cleaned up and replaced as necessary. 1/2020 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 1/2020 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 1/2020 Update: Material observed on absorbent pads cleaned up and replaced as necessary. 1/2020 Update: Material observed on absorbent pads cleaned up and replaced as necessary.	Incomplete

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REPORT DATE TIME BUILDING COLUMN DAYS OPEN COMMENTS STATUS

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Open Spills 8

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