

RF/RMRS-99-350 UN



779 Closure Project

**BUILDING 729
DECOMMISSIONING PROJECT**

**NON-RADIOLOGICAL
CLOSEOUT SURVEY REPORT**

**Revision 0
May 3, 1999**

**Rocky Mountain
Remediation Services, L L C**

REVIEWED FOR CLASSIFICATION
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1 0 PURPOSE

The purpose of the Non-Radiological Closeout Survey Report is to summarize and present the data necessary to demonstrate that waste chemicals RCRA CERCLA and TSCA contaminants introduced into Building 729 have been removed or reduced to levels that are no longer regulated

2 0 DECOMMISSIONING PROJECT DESCRIPTION

On July 19 1996 the Rocky Flats Cleanup Agreement (RFCA) was signed by the Department of Energy (DOE) the Colorado Department of Public Health and Environment (CDPHE) and the Environmental Protection Agency (EPA) The RFCA is the legally binding agreement between the DOE CDPHE and the EPA for accomplishing cleanup and decommissioning actions at the Rocky Flats Environmental Technology Site (RFETS)

The Reconnaissance Level Characterization Report for the 779 Cluster (RLCR) Rev 0 December 17 1997 a RFCA approved document was developed to identify and document the physical chemical, hazardous biological and radiological hazards associated with the 779 Cluster facilities The RLCR summarizes the available historical data and process information pertaining to the 779 Cluster Additionally the RLCR states that some characterization will be completed as an on-going process in support of work activities In-process characterization of structures equipment and systems has been conducted throughout the duration of this project to support facility stripout In-process characterization is therefore used to satisfy release criteria as identified in this Non-Radiological Closeout Survey Report The following reports and Integrated Work Control Packages (IWCP) packages document this in-process characterization

- a Asbestos Characterization Report for the 779 Cluster Project Rev 0 October 1997
- b Beryllium Surface Sample Locations
- c IWCP T0096268 Waste Characterization Sampling Bldg 779
- d Lead/Metals in Paint Characterization for Building 779 Cluster Rev 0 August 6 1998

The Building 729 cleanup activities were conducted in accordance with the Decommissioning Operations Plan for the 779 Cluster Interim Measure/Interim Remedial Action, Rev 0 February 1998 also referred to as "the 779 DOP" and the Reconnaissance Level Characterization Report for the 779 Cluster Rev 0 December 17, 1997 The 779 DOP outlines how the RFETS decommissioning activities for the 779 Cluster will be managed and controlled Other documents identified in this report are supplemental to these primary documents and provide information for continued support of overall work processes The Building 729 decommissioning activities were completed as a subset of the decommissioning activities described in the 779 DOP

The scope of the Building 729 Decommissioning Project included the removal of two air filter banks (a four-stage glovebox filter bank and a two-stage room air filter bank) and associated facility and plenum support equipment (i.e. diesel generator fuel oil and coolant systems). Equipment and systems were removed from the interior of Building 729 in accordance with Integrated Work Control Program (IWCP) packages. Appendix 1, *Work Control Master Report* identifies the

IWCPs used to prepare Building 729 for demolition. With respect to Building 729, removal of equipment and systems ensured mitigation of the hazardous and toxic contaminants associated with the building. Decontamination of building surfaces was performed to remove radiological contamination. Final radiological surveys were then conducted to ensure that free-release criteria were met prior to building demolition.

3.0 IDENTIFICATION OF HAZARDS

The reconnaissance level characterization effort identified and documented the type, quantity, condition and location of radioactive, toxic, and hazardous materials that were or may have been, present in Building 729. The reconnaissance level characterization concentrated on the potential for CERCLA hazardous substances. The facility hazards specific to Building 729 were identified through the review of historical records, process knowledge, facility walkdowns, and use of sampling/analysis. The results of the characterization efforts are documented in the Reconnaissance Level Characterization Report for the 779 Cluster, Rev. 0, December 17, 1997. A summary of the hazardous substances of concern (as identified in the RCLR and the 779 DOP) are as follows:

- > Radioactive contamination
- > RCRA regulated waste chemicals
- > Asbestos containing material
- > Surfaces containing lead-based paints
- > Beryllium contamination
- > PCBs (Fluorescent lighting ballasts)

No RCRA units, such as tank systems and treatment, storage or disposal units, were identified in Building 729. The 500-gallon Above Ground Storage (AST) located east of Building 729 is not regulated due to volume (< 680 gallons).

In-process characterization was conducted throughout the Building 729 stripout phase. Facility hazards identified through on-going in-process characterization were as follows:

- > Ethylene glycol that circulated in the cooling system for the 150 kW diesel generator;
- > Diesel fuel and oils required to operate the diesel generator;
- > A series of lead acid batteries that supported the generator's emergency power function;
- > Light switches identified as potential sources of mercury; and
- > Freon identified in a condensing unit outside of Building 729.

Building 729 was re-evaluated for CERCLA hazardous substances after the facilities stripout. No hazardous substances remain in Building 729 as documented in Section 5 of this document.

4.0 CLOSEOUT RADIOLOGICAL SURVEY PLAN

The Radiological Closeout Survey Plan for the Building 779 Cluster, Rev. 2, March 1999, was used to identify Building 729 radiological survey requirements. Radiological surveys were completed after all Building 729 equipment were removed.

5.0 RELEASE CRITERIA/RESULTS

Each subsection within Section 5 is structured in two parts. The first part is written in the present tense because it identifies actions that must be accomplished to satisfy the release criteria. The second part is written in the past tense because the release criteria actions/verifications have been completed.

5.1 Asbestos Release Criteria

Building 729 will be demonstrated to be free of asbestos through the following process. The facility will be characterized by a State-certified individual in accordance with the requirements of 29 CFR 1926.1101, Colorado Regulation 8, and the Site specific Health & Safety Program Manual. The asbestos survey will be performed in accordance with an approved plan. Samples will be managed using the chain-of-custody process and analyzed in a laboratory that meets the American Industrial Hygiene Association and the National Voluntary Laboratory Accreditation Program criteria for asbestos air and bulk analysis, respectively. Data will be recorded in an orderly and verifiable manner. The data will then be reviewed by a State-certified Asbestos Inspector for accuracy and consistency.

Asbestos abatement will be performed by a certified asbestos abatement contractor. Building 729 will be demonstrated free of asbestos fibers by an independent State-certified inspector. The independent inspector will complete air testing in abatement areas and visual inspections to verify that asbestos is properly abated. Asbestos abatement clearance testing will be performed in accordance with the Asbestos Hazard Emergency Response Act (AHERA) Protocol for Clearance Testing. If the arithmetic mean of the five air samples is less than 0.1 fibers per cm³ (PCM analysis), the area passes and can be opened for re-occupancy by unprotected personnel. A final verification walkdown will be performed by the State-certified asbestos abatement inspector to ensure that all asbestos containing material has been removed from the facility.

5.1.1 Asbestos Results

Asbestos characterization was performed by State-certified personnel in accordance with the criteria identified in Section 5.1, "Asbestos Release Criteria" and documented in the Asbestos Characterization Report for the

779 Cluster Project, Rev 0 October 1997 Reservoirs Environmental Services Inc. performed analysis of asbestos samples

Abatement was performed by a State-certified abatement contractor in accordance with IWCP package T0096706, "Remove Asbestos Contaminated Materials from the Building 779 Complex in accordance with The Asbestos Characterization Plan for the 779 Complex, Colorado Reg 8 OSHA "

No regulated asbestos-containing materials remain in Building 729. The air clearance data and the Demolition Notification serve as certification that all suspect asbestos-containing materials have been characterized and removed from Building 729. The air clearance data and the Demolition Notification are included in Appendix 2. Asbestos waste was managed in accordance with the ARARS identified in the 779 DOP.

5.2 Beryllium Release Criteria

The Chronic Beryllium Disease Prevention (CBDP) Program (as described in MAN-072-OS&IH PM, Number 28) identifies the various levels of beryllium hazard and contamination categories. Although not prescriptive with respect to the number of samples required to characterize an area, the CBDP identifies the number of samples as relevant to the history and use of the building. Following are the release criteria determined to be prudent when characterizing Building 729.

Work areas and equipment where beryllium is known or suspected to exist (based on proximity to an area where beryllium has been used or identified) will be surveyed prior to disruption or removal in accordance with the MAN-072-OS&IH PM, Industrial Hygiene Requirement Number 28, Chronic Beryllium Disease Prevention Program.

Sampling and analysis shall be conducted by trained individuals in accordance with the Chronic Beryllium Disease Prevention Program. Using a risk based approach, buildings and areas with a higher probability of beryllium contamination shall have a higher number of samples taken within them. Buildings with less likelihood of contamination shall have less samples taken within them. For buildings where there is little likelihood that beryllium was ever introduced, historical and process knowledge shall be used to determine sampling requirements, if any.

Samples will be managed using the chain-of-custody process and will be analyzed in a laboratory that meets the Site Analytical Services Division certification requirements. A facility or a piece of equipment will be considered suitable for free-release, in accordance with Site beryllium release criteria, if demonstrated to be less than $0.2 \mu\text{g}$ beryllium per 100 cm^2 .

5 2 1 Beryllium Results

No chemical processes were performed in Building 729. Building 729 is not suspected of processing beryllium in any form and is not expected to contain residual beryllium.

Industrial Hygiene Professionals performed surveys in Building 729 to demonstrate the absence of beryllium. Southwest Laboratory of Oklahoma performed the analysis on the beryllium smears. All data was less than 0.2 µg beryllium per 100 cm². The survey map and data are included in Appendix 3.

5 3 PCB Release Criteria

Material contaminated with PCBs shall be categorized as either PCB bulk product waste or PCB remediation waste in accordance with 40 CFR 761.

Sampling of porous surfaces shall be performed as described in EPA 560/5/86-017. To assess material/media against the appropriate regulatory threshold for PCB-contaminated media, SW-846 Method 4020. Screening for PCBs by Radioimmunoassay shall be used, whereas Method 8082. PCBs by Gas Chromatography shall be used for non-aqueous liquids.

Materials classified as PCB bulk product material, such as roofing tar and fluorescent light ballasts, will not be sampled. In lieu of sampling, the 779 Closure Project will meet the disposal requirements identified in 40CFR Part 761.62.

5 3 1 PCB Results

Lighting ballasts, electrical wiring, conduit, and oils have been removed from Building 729 during facility stripout. The facility has no history of PCB-related spills. No specialty paints were used in Building 729 that are suspect of containing PCBs. No PCB remediation waste has been generated.

Even though Building 729 is considered free of PCBs, building debris will be characterized as PCB bulk product material in lieu of sampling the roofing tar. The 779 Closure Project has met the disposal requirements identified in 40 CFR Part 761.62. Attachment 5 contains a copy of the PCB Bulk Product Material Notification to Erie Landfill.

5 4 Radiological Release Criteria

The Radiological Closeout Survey Plan for the Building 779 Cluster, Rev. 2, March 1999, documents the process and criteria used for radiological release of Building 729. A closeout report will document that the radiological criteria were met and will contain the associated support data.

5.4.1 Radiological Survey Results

The Closeout Radiological Survey Report for Building 729 contains the data and the statistical parameters applied to verify that radiological free-release criteria were met. Building 729 meets the free-release criteria identified in the Radiological Closeout Survey Plan for the Building-779 Cluster Rev 2 March 1999.

5.5 Hazardous Waste Release Criteria

Debris potentially contaminated with RCRA constituents, and waste chemicals shall be characterized using process knowledge and/or analyzed for constituents of concern in accordance with 779 Closure Project ARARS, specifically 6 CCR 1007-3 Part 262.11 Hazardous Waste Determination, and 40 CFR 268 Analytical methods shall have Practical Quantitation Limits (PCLs) of less than 50% of the regulatory threshold. SW-846 methods or equivalent methods shall be used for analysis or other methods as specified in the applicable Waste Acceptance Criteria (WAC).

Potential for hazardous constituents exists in the lead-based paint on Building 729 surfaces. Representative sampling will be performed, and samples will be analyzed in accordance with Toxicity Characteristic Leaching Procedure, EPA SW 846 Method 1311. Samples will be managed using the chain-of-custody process and will be analyzed in a laboratory that meets the Site Analytical Division Services certification requirements. Those materials having concentrations equal to or greater than the RCRA contaminant concentration levels identified in 6 CCR 1007-3 Part 261.64, will be managed as hazardous waste.

A visual inspection will be performed to identify and evaluate unusual staining on the floors in Building 729. If unusual staining is identified, process knowledge will be re-evaluated in an attempt to identify the potential source. In the event that multiple potential sources are identified, or the stain is of unknown origin, sampling will be performed to characterize the stain. Based on the resulting analytical data, the stain will either be left in place, removed using scarification, or sealed in place until the slab is remediated. The Project Manager or designee will perform this inspection. This inspection will include documenting the following:

- 1 Location of the staining
- 2 Unique characteristics such as size of the staining (to the best of the inspectors ability), color, unique odor
- 3 Source or potential source of the stain (if identifiable through process knowledge)
- 4 Sampling requirements
- 5 Analytical data
- 6 Cleanup requirements
- 7 Waste management requirements
- 8 Any resulting negotiations that result in a no cleanup action

In the event that no unusual staining is identified a memorandum will be placed in the project file to document the date of the inspection the extent of the inspection that no unusual staining was found and the individual performing the inspection

5 5 1 Hazardous Waste Results

The Building 729 process knowledge investigation (reference the RLCR) identified no history of spills no use of the facility for treatment storage or disposal of hazardous waste and no processes performed in the facility that could generate a hazardous waste Waste chemicals have been characterized packaged and disposed of in accordance with 779 Cluster ARARs and the disposal facilities WAC

No spills have occurred in Building 729 therefore no cleanup has been performed pursuant to CERCLA Building use and process knowledge investigation have excluded the need to perform TCLP for organic constituents and CERCLA hazardous substances Consequently the demolition debris will be managed pursuant to RCRA and TSCA

Process knowledge including spill history and analytical data have been used to make characterization and waste management decisions

Because Building 729 was constructed in 1971 unique paint types were analyzed for RCRA metals Two paint types were identified in Building 729 Each type was sampled and analyzed for RCRA metals using EPA SW 846 Method 1311 TCLP in the Building 559 Laboratory No paints exhibited levels of metals above RCRA regulatory thresholds Data are included in the Lead/Metals in Paint Characterization for Building 779 Cluster Rev 0 August 6 1998 and in Appendix 4 Paint Data for Building 729

A visual inspection has been performed to confirm the absence of unusual staining on floors in Building 729 No unusual staining was identified on the floor surfaces of Building 729 Appendix 6 contains the memorandum to file regarding the absence of unusual staining on floors in Building 729

5 6 Miscellaneous Release Criteria

Building 729 will be considered free of mercury lighting switches when electrical stripout is complete A facility inspection will be performed to verify that this activity is complete The Project Manager or designee will perform this inspection

Building 729 will be considered free of diesel fuel when the Site garage removes the fuel the above ground fuel tank and associated ancillary equipment A facility inspection will be performed to verify that this activity is complete The Project Manager or designee will perform this inspection

Building 729 will be considered free of ethylene glycol when the coolant supply piping to the diesel generator is drained and removed. A facility inspection will be performed to verify that this activity is complete. The Project Manager or designee will perform this inspection.

Freon will be removed by State-certified personnel in accordance with IWCP T0099168, *Freon Removal for FY99*.

5.6.1 Miscellaneous Results

Electrical stripout has been completed, and Building 729 is free of mercury lighting switches. A visual inspection has been performed to confirm that electrical stripout is complete.

The Site garage has removed the fuel, the fuel tank and associated ancillary equipment for re-use on-site, and Building 729 is free of diesel fuel. A visual inspection has been performed to confirm that Building 729 is free of diesel fuel.

The coolant supply piping to the diesel generator has been drained and removed, and Building 729 is free of ethylene glycol. The resultant drums of ethylene glycol were reused on-site as feedstock for Building 995, Waste Water Operations. A visual inspection has been performed to confirm that all piping has been removed from the Building 729 structure.

Freon has been removed by State-certified personnel in accordance with IWCP T0099168, *Freon Removal for FY99*. The removal action is documented in Section 9 of the aforementioned IWCP.

A visual inspection of the stripped-out building has been performed. No unusual staining was identified on the floor surfaces of Building 729.

6 0 QUALITY ASSURANCE

6 1 Analytical Services

The following is a summary of the Quality Assurance (QA) program requirements table used by RFETS Analytical Services

QA Program Requirements Summary

- Development and implementation of a QA Program and documentation of the key elements of that QA Program through a written QA Plan
Preparation of and adherence to written SOPs
- Adherence to the analytical methods and associated QC and documentation requirements provided in the PSA Modules
- ❖ Verification of analytical standards and documentation of the purity of reference standard materials and the purity and accuracy of solutions obtained from commercial suppliers
- Participation in performance evaluation programs including adherence to corrective action procedures
- Participation in on-site laboratory evaluations including adherence to corrective action procedures
Submission of all raw data and pertinent documentation
- ❖ Submission of original documentation

The laboratory QA/QC programs are designed to ensure that each laboratory generating data for this SOW has systems for assuring that the precision, accuracy, completeness and representativeness of data generated are known and documented

All analytical data generated for the Site Analytical Services Division (ASD) is subject to data assessment as identified in Procedure DA-GR01-v1-1 Analytical Services General Guidelines for Data Verification and Validation. This guideline addresses the procedures and terminology used to assess data verification and validation through evaluation of laboratory quality control data. The data verification and validation program outlined above has been developed to provide measures for laboratory performance as well as apply usability qualifiers to analytical data generated in conjunction with Environmental Monitoring and Restoration activities, Bioassay, Safe Drinking Water Act, Waste Characterization, and Industrial Hygiene activities. This document is used in conjunction with Parameter Specific Analytical Modules (PSA Modules) that are analysis specific and contain relevant analysis specific QA/QC

Data assessment is a generic term used for quality assurance evaluation of analytical chemistry. The assessment involves: 1) initial review of the data package by the contracted laboratory performing the analysis; 2) a cursory examination of the data by ASD personnel prior to customer release of preliminary data; 3) verification by subcontract personnel ranging from a cursory completeness check and QC verification of the Data Review Checklist to a more thorough check of the data; and 4) validation by ASD or a subcontractor.

personnel of the data package. The ASD Verification and validation criteria are based on government-published standards and guidelines, primarily EPA CLP and SW-846 methods guidelines for organic and inorganic data evaluation and review.

6.2 Sampling QA/QC

Field sampling performed in support of Building 729 Closure was conducted by trained Project professionals and the Analytical Services Division Sampling Team. Field sampling included calibration of field instruments, routine maintenance of equipment, chain of custody, unique sample identification and field logbook notes. Sampling was performed in accordance with Site standards.

6.3 Data Results

Data was interpreted by Project personnel to make waste determinations.

7.0 CONCLUSIONS

In conclusion, waste chemicals, and hazardous and toxic contaminants, introduced into Building 729 have been removed or reduced to levels that are no longer hazardous or toxic. The release criteria identified in Section 5.0 of this report were accomplished through the building stripout process. Physical evaluation of the building and sampling were performed to confirm that Building 729 meets the release criteria in support of facility demolition.

8.0 REFERENCES

- Asbestos Characterization Report for the 779 Cluster Project, Rev 0, October 1997
- Beryllium Surface Sample Locations
- Decommissioning Operations Plan For The 779 Cluster Interim Measure/Interim Remedial Action, Rev 0, February 1998
- Lead/Metals in Paint Characterization For Building 779 Cluster, Rev 0, August 6, 1998
- Reconnaissance Level Characterization Report for the 779 Cluster, Rev 0, December 17, 1997
- Building 779 Cluster Closure Project Health and Safety Plan, Rev 10, March 22, 1999
- Radiological Closeout Survey Plan for The Building 729 Cluster, Rev 2, March 1999
- Radiological Closeout Survey Report for The Building 729 Cluster, Rev 0, April 1998

- RFETS Analytical Services Statement of Work
- 779 Cluster Decommissioning Project Waste Management Plan Rev 1 December 1997
- Procedure DA-GR01-v1-1, Analytical Services General Guidelines for Data Verification and Validation

Appendix 1

Work Control Master Report

Work Control Master Summary Report

Opened between 01/11/1996 and 04/13/1999

Printed 04/13/1999

PROG OPS 48 STATUS

Page 1

Work Control	Ops Area	Prog Code	Close Date	Ca Title	Priority	Equip Dsc	Responsible Org
T0095332	48	AS	02/23/1999	782 TS&R BEARINGS FOR FAN 402 B	2 A	BEARINGS	AREA MAINTENANCE MANAGER
T0095333	48	AS	11/18/1998	782 REPLACE CONTACTS FOR FAN F-401 B	2 B	CONTACTS	AREA MAINTENANCE MANAGER
T0095338	48	AS	10/07/1998	T779A. MODIFY LS/DW SYSTEM	2 B	LS/DW	MAINTENANCE COMMUNICATIONS
T0095354	48	AS	11/04/1998	782 REPLACE CONTACTS ON FAN F-401A	2 B	FAN F 401A	AREA MAINTENANCE MANAGER
T0095356	48	AS		782 REPLACE BOLTS ON THE BACKDRAFT DAMPER FOR FAN F403B	2 B	782 REPLACE BOLTS ON BACKDRAFT DAMPER F403B	AREA MAINTENANCE MANAGER
T0095357	48	AS	11/18/1998	779 DETERMINE IF ZONE II DIFF PRESSURE WILL BE MAINTAINED WF	2 B	779 404 EXHAUST FANS	AREA MAINTENANCE MANAGER
T0095370	48	AS	11/18/1998	779 TS&R BY PASS PANEL FOR SAAM 28	2 C	BY PASS PANEL	MAINTENANCE ALARMS
T0095375	48	AS	02/23/1999	779 REMOVE GB 222 & 225 IN ROOM 157	2 B	GLOVE BOXES	OTHER MANAGER
T0095421	48	AS	08/20/1998	779 TS&R REGULATOR/CONTROLLER FOR F 1	2 C	CONTROLLER	AREA MAINTENANCE MANAGER
T0095422	48	AS	07/14/1998	779 REPAIR OR REPLACE LEAKING COIL FOR FAN F 1	2 C	STEAM COIL	AREA MAINTENANCE MANAGER
T0095423	48	AS	11/18/1998	729/782 BUILD LIFTING DEVICE TO ELEVATE GATES	2 A	LIFTING DEVICE	AREA MAINTENANCE MANAGER
T0095571	48	AS	11/04/1998	BLDG 778 LEASE FENCE GATES GUARD BLDGS (4) & PROVIDE POWER	3	GUARD BLDGS	AREA MAINTENANCE MANAGER
T0095572	48	AS		REMOVE WELDERS AND ASSOCIATED EQUIPMENT	3	WELDERS AND ASSOCIATED EQUIP	DECON & DEACTIVATION ORG
T0095573	48	AS		REMOVE GLOVEBOXES	3	GLOVEBOXES	DECON & DEACTIVATION ORG
T0095575	48	AS		REMOVE GLOVEBOXES	3	GLOVEBOXES	DECON & DEACTIVATION ORG
T0095576	48	AS		REMOVE GLOVEBOXES	3	GLOVEBOXES	DECON & DEACTIVATION ORG
T0095577	48	AS	03/30/1998	REPLACE BEARINGS	2 C	BEARINGS	AREA MAINTENANCE MANAGER
T0095579	48	AS	10/15/1998	REPLACE JOINTS	2 A	EXHAUST FAN F-403B	AREA MAINTENANCE MANAGER
T0095580	48	AS	10/15/1998	REPLACE JOINTS	2 A	EXHAUST FAN F-402B	AREA MAINTENANCE MANAGER
T0095581	48	AS	06/29/1998	REPLACE BOLTS	3	BOLTS	AREA MAINTENANCE MANAGER
T0095583	48	AS		PROVIDE VENDOR SUPPORT TO TS/R CHILLER	3	VENDOR SUPPORT FOR CHILLER	AREA MAINTENANCE MANAGER
T0095636	48	AS	12/29/1998	BLDG 779 REMOVE BLANK FROM PL-404 EXHAUST DUCT	2 B	EXHAUST DUCT	AREA MAINTENANCE MANAGER
T0095697	48	AS	08/20/1998	BLDG 784 REPLACE BROKEN FAN BLADES ON TOWER 1C	2 C	COOLING TOWER	AREA MAINTENANCE MANAGER
T0095698	48	AS	08/20/1998	BLDG 784 REPLACE BROKEN FAN BLADES ON TOWER 1D	2 C	COOLING TOWER	AREA MAINTENANCE MANAGER
T0095730	48	AS	02/23/1999	BLDG 782 REALIGN SPEED SWITCH SENSORS FOR FANS F-401A & B	2 B	FANS	AREA MAINTENANCE MANAGER

Work Control Master Summary Report

Opened between 01/11/1998 and 04/13/1999

PROG OPS 48 STATUS

Work Control	Ops Area	Prog Code	Close Date	Ca Title	Priority	Equip Dsc	Responsible Org
0096078	48	AS	02/23/1999	DISABLE ALARM ON CAAMS	3	ALARM	MAINTENANCE ALARMS
0096079	48	AS	11/20/1998	CALIBRATE AIR SAMPLERS	3	AIR SAMPLERS	OTHER MANAGER
0096131	48	AS	11/20/1998	GENERATE WP FOR LOAD TESTING BOOMS	4	FORK LIFT BOOM	AREA MAINTENANCE MANAGER
0096132	48	AS	06/17/1998	REPAIR PUMP 4A COOLING WATER PUMP	3	WATER PUMP	AREA MAINTENANCE MANAGER
0096154	48	AS		REMOVE UTILITIES AND EQUIPMENT FOR WALL REMOVAL IN COMPLEX	3	EQUIPMENT	AREA MAINTENANCE MANAGER
0096160	48	AS		INSTALL BREATHING AIR COMPRESSORS & LINE	3	COMPRESSORS	AREA MAINTENANCE MANAGER
096161	48	AS	04/21/1998	SPRAY WATER PUMP 07 WILL NOT RUN IN AUTO MODE	2 B	SPRAY WATER PUMP	AREA MAINTENANCE MANAGER
096162	48	AS	03/24/1998	CLEAN/REPAIR BATTERY TERMINALS FOR AUTO TERM #2 AND #16	2 B	BATTERIES	AREA MAINTENANCE MANAGER
096251	48	AS	07/28/1998	BLDG 779 ROOM 142 RE ADJUST F405B DAMPER CONTROL ARM	2 B	DAMPERS	AREA MAINTENANCE MANAGER
096268	48	AS		B 779 GENERATE SAMPLING PACKAGE	3	SAMPLING	DECON & DEACTIVATION ORG
096406	48	AS	05/05/1998	BREATHING AIR DROP MODIFICATION	3	BREATHING AIR DROPS	DECON & DEACTIVATION ORG
096407	48	AS	05/05/1998	BREATHING AIR DROP MODIFICATIONS	3	BREATHING AIR DROPS IN ROOM 150	DECON & DEACTIVATION ORG
096477	48	AS		REMOVE GLOVEBOXES 1363 1364 1365 2025 4933 & 7248 FROM RM 154	2 B	GLOVEBOXES	DECON & DEACTIVATION ORG
096482	48	AS		BUILD SSC ROOM 150	2 B	SSC	DECON & DEACTIVATION ORG
096483	48	AS	09/28/1998	INSTALL 250 WATT LS/DW AMP BLDG 779 ROOM 116 SLOT H-1	2 B	LS/DW AMPLIFIER	MAINTENANCE ALARMS
096540	48	AS	07/14/1998	ORDER NEW BATTERIES AND REPLACE AUTOCALL BATTERIES IN B-782	3	AUTOCALL	MAINTENANCE ALARMS
096542	48	AS	05/11/1998	CONNECT 706 LS/DW TO 779 & CONNECT T779A MICROPHONE TO 706	4	LS/DW	MAINTENANCE ALARMS
096546	48	AS		CONSTRUCT SSC IN ROOM 157	4	SSC	DECON & DEACTIVATION ORG
096597	48	AS		APPLY FIXATIVE TO GB 222 & 228	3	BOXES	DECON & DEACTIVATION ORG
6605	48	AS	01/13/1999	APPLY FIXATIVE TO GLOVEBOX'S IN ROOM 160	3	COATING	DECON & DEACTIVATION ORG
6647	48	AS		TSR SAAM BYPASS PANEL	3	SAAMS	MAINTENANCE ALARMS
6649	48	AS	08/20/1998	ID ELECTRICAL PROBLEM WITH F402 A/B FANS	2 B	FANS	AREA MAINTENANCE MANAGER
6660	48	AS	11/20/1998	PERFORM MTC ON BYPASS SAAM PANEL. 2 BOARDS REQUIRE REPLACED	4	SAAM PANEL	MAINTENANCE ALARMS
6662	48	AS		ISOLATE BUILDING NITROGEN SUPPLY IN ROOM 142 & BUILDING	3	NITROGEN SUPPLY	AREA MAINTENANCE MANAGER
6666	48	AS	11/02/1998	REMOVE HAZARDOUS WASTE CONTAINED IN IDLE EQUIP RM-162 & 114	2 C	IDLE EQUIPMENT	AREA MAINTENANCE MANAGER

Work Control Master Summary Report

Opened between 01/11/1998 and 04/13/1999

Work Control	Ops Area	Prog Code	Close Date	Case Title	Priority	Equip Desc	Responsible Org
T0096667	48	AS		APPLY FIXATIVE TO GB'S IN ROOM 155	3	GLOVEBOXES	DECON & DEACTIVATION ORG
T0096676	48	AS	11/20/1998	ADJUST VORTEX VANES FOR F-401B	2 B	VORTEX VANES	AREA MAINTENANCE MANAGER
T0096702	48	AS		DRAIN HAZ. LIQUIDS FROM LECO CUTTING SAWS ROOMS 113 & 162	3	CUTTING SAW	DECON & DEACTIVATION ORG
T0096706	48	AS	11/02/1998	REMOVAL & DISPOSAL OF ASBESTOS CONTAMINATED MATERIALS FR 779	3	ASBESTOS	OTHER MAINTENANCE GROUPS
T0096803	48	AS	07/14/1998	TSR SPRINKLER FLOW ALARM IN BUILDING 782	2 B	SPRINKLER SYSTEM	AREA MAINTENANCE MANAGER
T0096804	48	AS	12/02/1998	REMOVE/ASBESTOS INSULATION/SUPPORT STEAM & CONDENSATE REPAIR CONSTRUCT SSC IN ROOM 228	3	ASBESTOS	DECON & DEACTIVATION ORG
T0096833	48	AS		FAB SUPPLIED AIR HOSES FOR ROOM 206	3	SSC	DECON & DEACTIVATION ORG
T0096852	48	AS	07/14/1998	TSR 403A & 403B FANS BUILDING 779 ROOM 142	3	AIR HOSES	DECON & DEACTIVATION ORG
T0096863	48	AS		REMOVE GLOVEBOXES & EQUIPMENT FROM ROOMS 218/220 AND 223	2 B	FANS	AREA MAINTENANCE MANAGER
T0096902	48	AS		REMOVE GLOVEBOXES & EQUIPMENT FROM ROOM 217	3	GLOVEBOXES	DECON & DEACTIVATION ORG
T0096903	48	AS		REMOVE GLOVEBOXES AND MISCELLANEOUS EQUIPMENT FROM ROOM 222	3	GLOVEBOXES	DECON & DEACTIVATION ORG
T0096904	48	AS		REMOVE GLOVEBOXES & EQUIPMENT FROM ROOM 133	3	GLOVEBOXES	DECON & DEACTIVATION ORG
T0097012	48	AS		SWP ELECTRICAL	3		
T0097044	48	AS		REPLACE BLOCK HEATER ELEMENT EGEN #3	2 B	FAN F-401A	DECON & DEACTIVATION ORG
T0097045	48	AS	07/13/1998	REPAIR CONTROLLER PDIC 3-7	2 B	EGEN #3	AREA MAINTENANCE MANAGER
T0097047	48	AS	07/28/1998	REPAIR CONTROLLER PDIC 4-28	2 B	PDIC	AREA MAINTENANCE MANAGER
T0097048	48	AS	07/28/1998	REPAIR OR REPLACE PHASE SWITCH FOR EGEN #3	2 B	PDIC	AREA MAINTENANCE MANAGER
T0097049	48	AS	11/20/1998	APPLY FIXATIVE TO GLOVEBOXES ROOM 134	2 B	PHASE SWITCH	AREA MAINTENANCE MANAGER
T0097050	48	AS	12/28/1998	APPLY FIXATIVE GLOVEBOXES ROOM 134	2 C	DUCT BRIDGE	DECON & DEACTIVATION ORG
T0097051	48	AS	07/02/1998	FAB & MODIFICATION OF DOWN DRAFT ASSEMBLY	2 B	GLOVEBOXES	DECON & DEACTIVATION ORG
T0097303	48	AS		REPLACE DRIVE BELTS FOR FANS 403A & 403B BLDG. 782	2 B	DOWN DRAFT ASSEMBLY FANS	DECON & DEACTIVATION ORG
T0097304	48	AS	11/20/1998	TSR 404 PHOTOHELICS REPLACE UNITS LIKE FOR-LIKE	2 B	PHOTOHELICS	DECON & DEACTIVATION ORG
T0097308	48	AS		REMOVE GLOVEBOXES & EQUIPMENT FROM ROOM 137	2 A	GLOVEBOXES	DECON & DEACTIVATION ORG
T0097406	48	AS		ISOLATE DISCONNECT & REMOVE AUTOTERMS	2 B	ELECTRICAL UTILITIES	DECON & DEACTIVATION ORG

Work Control Master Summary Report

Opened between 01/11/1998 and 04/13/1999

PROG OPS 48 STATUS

ed 04/13/1999

Work Control	Ops Area	Prog Code	Close Date	Call Title	Priority	Equip Dsc	Responsible Org
0097457	48	AS		STRIPCOAT 234 GLOVEBOXES #205 A,R,C &D	3	GLOVEBOXES	DECON & DEACTIVATION ORG
0097476	48	AS		REMOVE LAN FROM BUILDING 779	2 B	LAN	TELECOMMUNICATIONS LAN LINES
0097478	48	AS	08/28/1998	PERFORM PLENUM BYPASS LEAKAGE SURVEILLANCE OF PLENUMS	2 B	PLENUM	FILTER SERVICES
0097546	48	AS		DRAIN 2 HYDRAULIC UNITS TO 55 GALLON DRUMS	3	HYDRAULIC UNITS	DECON & DEACTIVATION ORG
0097581	48	AS		REPAIR BUILDING 779 L/S/DW SYSTEM	1	L/S/DW	MAINTENANCE ALARMS
0097614	48	AS		SWP FOR STRIP COAT BUILDING 779 ROOM 217	2 B	STRIP COAT	DECON & DEACTIVATION ORG
0097637	48	AS	12/29/1998	PURGE AND BLANK OFF NATURAL GASLINE BLDG 779	2 C	GASLINE	DECON & DEACTIVATION ORG
0097645	48	AS		MODIFY AIR DROP OUTSIDE ROOM 135 TO SUPPLY AIR TO ROOM 137	2 C	AIR DROP	DECON & DEACTIVATION ORG
097646	48	AS	08/20/1998	CORROSION FOUND ON BATTERY #2 AUTOTERM 27 ROOM 160	2 C	BATTERY	MAINTENANCE ALARMS
097666	48	AS	11/20/1998	PERFORM ASBESTOS ABATEMENT BLDG 779 2ND FLOOR COLD AREA	2 C	ASBESTOS	CONSTRUCTION MANAGEMENT
097667	48	AS		INSTALL 1 BREATHING AIR DROP OUTSIDE OF ROOM 157	3	AIR DROP	DECON & DEACTIVATION ORG
097709	48	AS		SUPPORT FOR DEMOLITION OF BUILDING 779	3	DEMOLITION OF BUILDING 779	CONSTRUCTION MANAGEMENT
097710	48	AS	04/14/1998	PREPARE MESSAGING AND ISOLATION AND DEMO	3	DEMOLITION OF BUILDING 779	CONSTRUCTION MANAGEMENT
097711	48	AS		SUPPORT FOR DEMOLITION OF BUILDING 779	3	DEMOLITION OF BUILDING 779	CONSTRUCTION MANAGEMENT
097712	48	AS		REMOVE DOWNDRAFT TABLE FROM ROOM 153B	3	DOWNDRAFT TABLE	DECON & DEACTIVATION ORG
097713	48	AS		INSTALL BREAK TRAILER	3	BREAK TRAILER	CONSTRUCTION MANAGEMENT
97747	48	AS	08/11/1998	ISOLATING AND PURGING NATURAL GASLINE IN BUILDING 779	3	NATURAL GAS LINE	AREA MAINTENANCE MANAGER
97749	48	AS		REMOVE GLOVEBOXES & MISC EQUIPMENT ROOM 131	3	GLOVEBOXES	DECON & DEACTIVATION ORG
97750	48	AS		REMOVE RADIONUCLIDES FROM BLDG 779	3	CONTAMINATED SYSTEMS	DECON & DEACTIVATION ORG
97770	48	AS		INSTALL BLDG PA MICROPHONE IN T779A	3	MICROPHONE	MAINTENANCE ALARMS
97650	48	AS		TSR BACK DRAFT DAMPER CONTROLS FOR FP401A	2 B	FP401A	AREA MAINTENANCE MANAGER
37915	48	AS		REMOVE TSI FROM PIPING IN ROOM 142 OF BUILDING 779	4	PIPING	DECON & DEACTIVATION ORG
38042	48	AS		CONSTRUCT SSC IN ROOM 160	4	SSC	DECON & DEACTIVATION ORG
38114	48	AS	10/14/1998	PREPARE BUILDING 729 FOR WINTERIZATION	3	WINTERIZATION	AREA MAINTENANCE MANAGER
37454	48	AS	09/09/1998	INSTALL BREATHING AIR DROP OUTSIDE ROOM 228	3	BREATHING AIR DROP	DECON & DEACTIVATION ORG

Work Control Master Summary Report

Opened between 01/11/1998 and 04/13/1999

Work Control	Ops Area	Prog Code	Close Date	Priority	STATUS	OPS	DESCRIPTION	Equip Desc	Responsible Org
096208	48	AS	11/04/1998	3			CREATE A 10'X10' OPENING IN CURTAIN WALL ROOMS 154 & 160	CURTAIN WALL	DECON & DEACTIVATION ORG
096228	48	AS		3			DISABLE BUILDING 779 CRIT SYSTEM	CRIT SYSTEM	MAINTENANCE ALARMS
096230	48	AS		3			INSTALL 2" X 2" X 1/2" INSULATION OVER EXISTING 2" X 2" X 1/2" INSULATION		DECON & DEACTIVATION ORG
096356	48	AS	12/23/1998	3			SWP TO BUILD SUPPLIED AIR HOSE	SUPPLIED AIR HOSE	DECON & DEACTIVATION ORG
096360	48	AS		3			REMOVE ASBESTOS TO REPAIR CONDENSATE LEAK WEST OF 779	ASBESTOS	DECON & DEACTIVATION ORG
096365	48	AS	12/29/1998	3			BUILD SWP TO ASSEMBLE SUPPLIED AIR HOSES	SUPPLIED AIR HOSES	DECON & DEACTIVATION ORG
096403	48	AS		3			PERFORM MINOR MAINTENANCE I.A.W MAN-071-HNCP CHAPTER 9	VARIOUS	AREA MAINTENANCE MANAGER
096415	48	AS	07/20/1998	3			REMOVE ZONE 1A'S VENTILATION FROM THE B-ANNEX OF 9779	VENTILATION	DECON & DEACTIVATION ORG
096442	48	AS	12/02/1998	3			DEVELOP 779-SPECIFIC SIZE REDUCTION PROCEDURE	SIZE REDUCTION	DECON & DEACTIVATION ORG
096443	48	AS		3			REMOVE ZONE 1A'S VENTILATION FROM THE B-ANNEX OF 9779	VENTILATION	DECON & DEACTIVATION ORG
096506	48	AS		3			DRAIN VACUUM PUMPS ALL OVER THE B-779/IN CARPORT OF 226 TENT	VACUUM PUMPS	DECON & DEACTIVATION ORG
096567	48	AS		3			REPLACE MAG. GAGE WITH 4" MAG ON 1ST STAGE SUP. 408 PNEUM	MAG GAGE	DECON & DEACTIVATION ORG
096609	48	AS		3			REMOVAL OF REMAINING COMPONENTS OF THE GB OVERHEAT DETECTION	GLOVEBOX OVERHEAT DETECTION	AREA MAINTENANCE MANAGER
096620	48	AS	01/13/1999	3			BUILD 90" SUPPLIED AIR HOSES	SUPPLIED AIR HOSES	DECON & DEACTIVATION ORG
096621	48	AS		3			REMOVE GLOVEBOXES & MISC. EQUIPMENT FROM ROOMS 126, 128 & 140	GLOVEBOXES & MISC EQUIPMENT	DECON & DEACTIVATION ORG
096622	48	AS	03/18/1999	3			PLANT POWER TO FURNISH & INSTALL TEMP GY TRANSFORMER	ELECTRICAL	OTHER MAINTENANCE GROUPS
096623	48	AS		3			PI TO PROVIDE TEMP SERVICE TO FORSTER WHEELER CONST. 79	TRAILER	OTHER MAINTENANCE GROUPS
096746	48	AS	03/18/1999	3			PAIN 3A FINE DAMPER POCKOUT ON GB ROOMS 217, 218, 220, 221	GLOVEBOXES	DECON & DEACTIVATION ORG
096763	48	AS	12/18/1998	3			REMOVE EQUIPMENT FROM ROOMS 121 & 162	DAD EQUIPMENT	DECON & DEACTIVATION ORG
096791	48	AS	11/18/1998	3			REPLACE HEPA FILTER ON 1ST STAGE FP409	HEPA FILTERS	DECON & DEACTIVATION ORG
096819	48	AS		3			APPLY FIXATIVE TO GLOVEBOXES & HOODS IN ROOM 137	GLOVEBOXES & HOODS	DECON & DEACTIVATION ORG
096832	48	AS		3			APPLY FIXATIVE TO GLOVEBOXES & HOODS IN ROOM 126	GLOVEBOXES & HOODS	DECON & DEACTIVATION ORG
096833	48	AS		3			APPLY FIXATIVE TO GLOVEBOXES & HOODS IN ROOM 140	GLOVEBOXES & HOODS	DECON & DEACTIVATION ORG

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Printed 04/13/1999

Work Control	Ops Area	Prog Code	Close Date	Call Title	Priority	Equip Desc	Responsible Org
T0098834	48	AS		APPLY FIXATIVE IN GLOVEBOXES & HOODS ROOM 139	3	GLOVEBOXES & HOODS	DECON & DEACTIVATION ORG
T0098835	48	AS		APPLY FIXATIVE TO GLOVEBOXES & HOODS IN ROOM 133	3	GLOVEBOXES & HOODS	DECON & DEACTIVATION ORG
T0098836	48	AS	03/18/1999	APPLY FIXATIVE TO GLOVEBOXES & HOODS IN ROOM 131	3	GLOVEBOXES & HOODS	DECON & DEACTIVATION ORG
T0098837	48	AS		CONSTRUCT SSC ROOM 137/140	3	SSC	DECON & DEACTIVATION ORG
T0098885	48	AS		INSTALL TAP IN DRAIN LINE FROM B782 FIRE WATER DELUGE TANK	3	TAP	DECON & DEACTIVATION ORG
T0098953	48	AS	12/07/1998	TRANSFER HEATER FROM 579 TO B782 EGEN	3	HEATER	DECON & DEACTIVATION ORG
T0099000	48	AS		FAB AIR HOSES & COMMUNICATIONS CABLES FOR USE WITH RESP	3	AIR HOSES	DECON & DEACTIVATION ORG
T0099001	48	AS		STRIP-OUT ZONE I & IA VENTILATION FROM ANNEX	3	VENTILATION	DECON & DEACTIVATION ORG
T0099014	48	AS		SAMPLE VARIOUS POINTS MISC PIPING SYSTEM B779	3	PIPING SYSTEM	DECON & DEACTIVATION ORG
00996008	48	AS	11/20/1998	BREAKERS ON THE HEAT TRACE ARE BROKEN	3	BREAKERS	AREA MAINTENANCE MANAGER
0099168	48	AS		FREON REMOVAL FOR FY 99	3	FREON	DECON & DEACTIVATION ORG
0099184	48	AS		INSTALL DOOR ON SOUTH SIDE OF BUILDING 705	3	DOOR	DECON & DEACTIVATION ORG
0099186	48	AS		COMBINE THE MASTER & INSTRUCTION PROCEDURE TO INSPECT/TEST	2	SPRINKLER SYSTEM	OTHER MAINTENANCE GROUPS
0099201	48	AS	03/18/1999	TEST ALL DELTA POINTS IN SIO/DGPS	2	DELTA POINTS	DECON & DEACTIVATION ORG
0099290	48	AS	01/05/1999	RUN POWER TO HEATER IN 2ND FLOOR MAIN TO A ANNEX HALLWAY	3	RUN POWER TO HEATER IN 2ND FLOOR MAIN TO A ANNEX HALLWAY	DECON & DEACTIVATION ORG
0099291	48	AS		ASBESTOS REMOVAL ROOM 137 B779	3	ASBESTOS REMOVAL ROOM 137 B779	DECON & DEACTIVATION ORG
0099292	48	AS		REMOVE EQUIPMENT IN RM 121/162	3	EQUIPMENT	DECON & DEACTIVATION ORG
0097547	48	AS	12/18/1998	REPLACE BATTERIES ON EGEN #3	2	BATTERIES	DECON & DEACTIVATION ORG
0099379	48	AS		SECURITY CAMERAS	3	SECURITY CAMERAS	DECON & DEACTIVATION ORG
0099382	48	AS		STRIP-OUT ZONE II VENTILATION FROM ANNEX OF B779	3	VENTILATION	DECON & DEACTIVATION ORG
0099421	48	AS	02/23/1999	CONVERT HOT WATER SHOWERS FROM STEAM TO ELECTRIC	3	SHOWERS	DECON & DEACTIVATION ORG
0099446	48	AS	01/14/1999	PROVIDE SUPPLEMENTAL HEAT FOR ANNEX	3	HEAT	DECON & DEACTIVATION ORG
0099461	48	AS		PROVIDE TEMPORARY SERVICE	3	TRAILER	DECON & DEACTIVATION ORG
0099498	48	AS		ISOLATE COOLING WATER TO ROOM 117 & RESTORE EGEN #3	3	COOLING WATER	DECON & DEACTIVATION ORG

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Work Control	Ops Area	Prog Code	Close Date	Ca Title	Priority	Equip Dsc	Responsible Org
T0099500	48	AS		REMOVE ASBESTOS CONTAMINATED MATERIALS FROM B-779, 780 & 782	3	ASBESTOS	DECON & DEACTIVATION ORG
T0099535	48	AS		REMOVE FLANGES FOR CONTAMINATION SURVEYS ON THE GOLD SIDE	3	FLANGES	DECON & DEACTIVATION ORG
T0099546	48	AS		INSTALL FUSIBLE LINKS ON ROOM 237 B 779 AIRLOCK DOORS	3	AIRLOCK DOORS	DECON & DEACTIVATION ORG
T0099567	48	AS		FREEZE SEAL 4 FIRE LINES IN B779	3	FREEZE SEAL	DECON & DEACTIVATION ORG
T0099575	48	AS		STRIP COATING GLOVEBOXES ROOM 153B BUILDING 779	3	STRIP COATING GLOVEBOXES D&D	DECON & DEACTIVATION ORG
T0099593	48	AS		PERFORM D&D IN ADMINISTRATIVE & DOCK AREAS	3		DECON & DEACTIVATION ORG
T0099594	48	AS		TEST PROCEDURE TO DETERMINE AIR USAGE BREATHING AIR SUITS	3	PROCEDURE	DECON & DEACTIVATION ORG
T0099603	48	AS		MODIFY SOFT SIDED CONTAINMENT IN ROOM 228	3	SOFT SIDED CONTAINMENT	DECON & DEACTIVATION ORG
T0099612	48	AS		APPLY ENCAPSULANT IN SSC IN ROOM 150	3	ENCAPSULANT	DECON & DEACTIVATION ORG
T0099633	48	AS		B-ANNEX	3	B-ANNEX	OTHER MANAGER
T0099678	48	AS		TS/R A-ANNEX BREATHING AIR SYSTEM	3	PLANT BREATHING AIR SYSTEM	DECON & DEACTIVATION ORG
T0099683	48	AS		BUILD 10 100' SUPPLIED AIR HOSES	3	AIR HOSES	DECON & DEACTIVATION ORG
T0099684	48	AS		BUILD SUPPLIED AIR HOSES 50'	3	AIR HOSES	DECON & DEACTIVATION ORG
T0099733	48	AS		APPLY CAPTURE COAT TO ROOM 157 SSC	3	SSC	DECON & DEACTIVATION ORG
T0099749	48	AS		REMOVE CONTAMINATED SYSTEMS FROM A-ANNEX	3	CONTAMINATED SYSTEMS	DECON & DEACTIVATION ORG
T0099757	48	AS		A-ANNEX STRIPOUT	3	A-ANNEX	DECON & DEACTIVATION ORG
T0099759	48	AS		SET-UP, ANCHOR & PROVIDE TEMPORARY ELECTRICAL SERVICE T779F	3	ELECTRICAL SERVICE	DECON & DEACTIVATION ORG
T0099761	48	AS		PROVIDE ELECTRICAL POWER TO W-SUARD SHACK	3	ELECTRICAL POWER	PLANT SERVICES
T0099762	48	AS		FIX CONTAMINATION IN ZONE 1, 1A & 2 DUCTS	3	ZONE 1 1A & 2 DUCTS	DECON & DEACTIVATION ORG
T0099820	48	AS	02/23/1999	ASSAY OF G98 IN R133 USING CANBERRA INSPECTOR SPEC. SYSTEM	3	INSPECTOR SPECTROSCOPY SYSTEM	DECON & DEACTIVATION ORG
T0099835	48	AS		REMOVE FIRE SPRINKLER LINE IN TUNNEL 2ND FLOOR B779	3	FIRE SPRINKLER	DECON & DEACTIVATION ORG
T0099821	48	AS		PERFORM FREEZE PLUG ON FIRE LINE IN A-ANNEX HALL	3	FREEZE PLUG	DECON & DEACTIVATION ORG
T0099822	48	AS		BLDG. 780, 780A & 780B STRIPOUT	3	STRIPOUT	DECON & DEACTIVATION ORG
T0099877	48	AS	02/12/1999	ISOLATE B779 CLUSTER NITROGEN HEADER FROM PLANT SUPPLY	3	NITROGEN	DECON & DEACTIVATION ORG
T1000012	48	AS		PERFORM D&D OF BLDG. 783-787	3	D&D	DECON & DEACTIVATION ORG

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Work Control	Ops Area	Prog Code	Close Date	Ca Title	Priority	Equip Dsc	Responsible Org
T0100013	48	AS		STRIP OUT 779 MAIN AREA PERFORM D&D TO THE MAIN BUILDING	3	D&D	DECON & DEACTIVATION ORG
T0100026	48	AS		INSTALL DIFFERENTIAL PRESSURE GAGES	3	PRESSURE GAGES	DECON & DEACTIVATION ORG
T0100048	48	AS		BLDG 782 & 727 STRIPOUT	3	STRIPOUT	DECON & DEACTIVATION ORG
T0100048	48	AS		BLDG 782 & 727 STRIPOUT	3	STRIPOUT	DECON & DEACTIVATION ORG
T0100080	48	AS		REMOVE MISC INTERFERENCES TO SUPPORT VENTILATION A ANNEX	3	INTERFERENCES	DECON & DEACTIVATION ORG
T0100091	48	AS	03/18/1999	UTILITY ROOMS 142 127 126 122 117 STRIPOUT	3	STRIPOUT	DECON & DEACTIVATION ORG
T0100091	48	AS	02/23/1999	INSTALL D.P. GAUGE/REMOVE TEMPERATURE SENSORS	3	D.P. GAUGE	DECON & DEACTIVATION ORG
T0100103	48	AS		PROVIDE L&M TO INSTALL HOT H2O TANKS FOR SHOWERS	3	SHOWERS	DECON & DEACTIVATION ORG
T0100112	48	AS		CONSTRUCT SSC FOR GB-045 IN ROOM 228	3	SSC	DECON & DEACTIVATION ORG
T0100128	48	AS	02/25/1999	PERFORM SURVEYS USING MILLENNIUM TECHNOLOGIES PROCEDURE	3	SURVEYS	DECON & DEACTIVATION ORG
T0100163	48	AS		LOAD TEST OF TWO NEW SLINGS	3	SLINGS	DECON & DEACTIVATION ORG
T0100164	48	AS		REMOVE ZONE 1&1A DUCTING IN MAIN BLDG OF 779	3	DUCTING	DECON & DEACTIVATION ORG
T0100188	48	AS	03/08/1999	INSTALL BREATHING AIR DROPS IN BLDG 131	3	BREATHING AIR DROPS	DECON & DEACTIVATION ORG
T0100209	48	AS		STRIP EXTERIOR OF BUILDING 779	3	EXTERIOR	DECON & DEACTIVATION ORG
T0100219	48	AS		CONSTRUCT SATELLITE SECURITY SCREENING STATION B-663	3	SATELLITE	DECON & DEACTIVATION ORG
T0100221	48	AS	03/10/1999	INSTALLATION OF AIRMOVER IN ROOM 142 BUILDING 779	3	AIR MOVER	DECON & DEACTIVATION ORG
T0100229	48	AS		DELTA POINT TESTING IN BUILDING 779	3	DELTA POINT TESTING	DECON & DEACTIVATION ORG
T0100256	48	AS		REMOVE PORTION OF WALL BETWEEN ROOMS 133 & 137 IN B 779	3	WALL	DECON & DEACTIVATION ORG
T0100358	48	AS		STRIP OUT ROOMS 117 & 122 FOR DEMOLITION	3	STRIP OUT	DECON & DEACTIVATION ORG
T0100360	48	AS		STRIP OUT ROOM 142 FOR DEMOLITION	3	STRIP OUT	DECON & DEACTIVATION ORG
T0100361	48	AS		STRIP OUT ROOMS 126 & 127 FOR DEMOLITION	3	STRIP OUT	DECON & DEACTIVATION ORG
T0100375	48	AS		EVALUATE & REPLACE BEARINGS IN F402B MOTOR	3	F402B MOTOR	DECON & DEACTIVATION ORG
T0100563	48	AS	04/08/1999	REROUTE/REMOVE DELTA POINTS	3	DELTA POINTS	DECON & DEACTIVATION ORG
T0100604	48	AS		INSTALL ADDITIONAL ELECTRICAL DEVICES RM 142 B779 & IN B782	3	ELECTRICAL DEVICES	DECON & DEACTIVATION ORG

Appendix 2

Air Clearance Data and Demolition Notification

NVLAQ

LAB NO 101896

COPY

EMTE
EPC

ASBESTOS TEM, PCM PLM SEM
METALS AA FLAME/FURNACE
AIRBORNE PARTICULATES
SPECIAL PARTICLE ANALYSIS

AIHA LAB ID 10768

RE
AUG 17 1998

RESERVOIRS ENVIRONMENTAL SERVICES, INC

1827 GRANT STREET

DENVER COLORADO 80203

(800) 678 7374

(303) 830 1986

FAX (303) 863 9196

August 13 1998

Mr Chuck Hoelzel
Kaiser-Hill Company, LLC
Rocky Flats Environmental Tech Site
PO Box 464, Bldg 850
Golden, CO 80402-0464

RE RES Job No 53853-1 98Z2517, Mike Schulerbusch Air
Samples 72998081276001, 72998081276002, 72998081276003 and
72998081276004

Dear Mr Hoelzel

Reservoirs Environmental Services, Inc (RES, Inc) has performed Phase Contrast Microscopy (PCM) fiber analyses on four air samples as requested The samples were received on August 12, 1998, and initial results were forwarded to you within two hours of receipt

The analytical results are presented in Tables I and II The analyses were carried out in accordance with the PCM method outlined in the NIOSH Method 7400 Issue 2, August 15, 1994 The results described in this report apply only to the samples analyzed

RES, Inc has assigned job number RES 53853-1 to this study This report is considered highly confidential and the sole property of Kaiser-Hill Company, LLC All data sheets and supporting data obtained during the analyses will be retained in confidential files by RES, Inc The samples will be disposed of after sixty days unless longer storage is requested

If you have any questions regarding this report please feel free to call me at RES, Inc Denver Colorado at (303) 830-1986

Sincerely,

Jeanne Spencer Orr
Vice President

DOES NOT CONTAIN
OFFICIAL USE ONLY INFORMATION

Name/Orig: J.A. Nechev Date: 08/15/08
EMCBC Classification Office
OK for public release

53853

Safety and Hygiene Chain of Custody Record and Analysis Request

Name of Originator M Schluter Title: IAM/AO Bldg/Ext 1130J/4215 Date: 8-12-98 Page 1 of 1

SAMPLE NUMBER Bldg/Y/M/D/P/#/S#	ANALYZE FOR	VOLUME liters	SAMPLE TIME/	MEDIA	P A B	Personal Area Bulk	REMARKS	Lab Number
72998081276001	FA2B002	1280			A	9822517.001		
002	PLMAsbestos	1283			A	9822517.002		
003					A	9822517.003		
004					A	9822517.004		
<p><u>Archive For TEM:</u> <u>13 001-002 003 004</u> <u>> 014/CS SST 505</u> <u>6 hr TEM AHEAD!</u></p>								
Relinquished by <u>M Schluter</u>	Received by <u>S. Miller</u>	Time/Date <u>15:30 8/12/98</u>	Relinquished by <u>S. Miller</u>	Received by <u>Evin Krawetz</u>	Time/Date <u>1800 5/12/98</u>			
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date			
Relinquished by	Received by	Time/Date	Relinquished by	Received by	Time/Date			

Report and Billing Instruction

Kaiser-Hill Verbal To Tonya Sampa Inc
 RMRS Fax To: 946-2538/946-2864
 SSOC Report To: RMS
 DynCorp Bill To: KH
 WSI P.O #/Release: AR03D100
 Lab: RESERVOIRS

Analysis Request

Industrial Hygiene Sample
 Standard Service
 Rush
 Other

Asbestos Samples
 Standard Service
 Rush
 24
 Other

Seal# (Release #) 98-2517
 Condition of Seal
 Broken
 Unbroken

Signature _____
 Comments _____

LAB NO 101896

FILE COPY

ENTERED 9-10-98

RECEIVED
AUG 31 1998

ASBESTOS TEM, PCM PLM SEM
METALS AA, FLAME/FURNACE
AIRBORNE PARTICULATES
SPECIAL PARTICLE ANALYSIS

AIHA LAB I D 10768

RESERVOIRS ENVIRONMENTAL SERVICES, INC

1827 GRANT STREET

DENVER COLORADO 80203

(800) 678 7374

(303) 830 1986

FAX (303) 863 9196

August 27, 1998

Mr Chuck Hoelzel
Kaiser-Hill Company, LLC
Rocky Flats Environmental Tech Site
PO Box 464, Bldg* 850
Golden, CO 80402-0464

RE RES Job No 54142-1 - 98Z2700, Mike Schultebusch - Air
Samples 729-980826-MS-005, 729-980826-MS-006,
729-980826-MS-007, 729-980826-MS-008 and 729-980826-MS-009

Dear Mr Hoelzel

Reservoirs Environmental Services, Inc (RES, Inc) has performed Phase Contrast Microscopy (PCM) fiber analyses on five air samples as requested The samples were received on August 26, 1998, and initial results were forwarded to you within 2 hours of receipt

The analytical results are presented in Tables I and II The analyses were carried out in accordance with the PCM method outlined in the NIOSH Method 7400, Issue 2, August 15, 1994 The results described in this report apply only to the samples analyzed

RES, Inc has assigned job number RES 54142-1 to this study This report is considered highly confidential and the sole property of Kaiser-Hill Company, LLC All data sheets and supporting data obtained during the analyses will be retained in confidential files by RES, Inc The samples will be disposed of after sixty days unless longer storage is requested If you have any questions regarding this report, please feel free to call me at RES, Inc , Denver, Colorado at (303) 830-1986

Sincerely,

Jeanne Spencer Orr
Vice President
RKD/pda

DOES NOT CONTAIN
OFFICIAL USE ONLY INFORMATION

Name/Org *J. Meskinen* Date *7/16/08*
EM/CBC Classification Officer
OK for public release

RESERVOIRS ENVIRONMENTAL SERVICES, INC
 AIHA Certificate of Accreditation #480, Lab ID 10768

TABLE I NIOSH 7400 FIBER COUNT ANALYSIS

RES Job Number: RES 54142-1
 Client: Kaiser-Hill Company, LLC
 Client Project: 9822700, Mike Schultebusch
 Date Samples Received: August 26, 1998
 Analysis Type: PCM 7400 A, Air
 Turnaround: 2 Hour

Client ID Number	Lab ID Number	Air Volume Sampled (L)	Fields Analyzed	Fiber Count	Fiber Density (F/mm ³)	Limit of Detection (F/cc)	Fiber Concentration (F/cc)
729-980826-MS-005	EM 362162	1348	100	60	7.6	0.002	0.002
729-980826-MS-006	EM 362163	1311	100	8.5	10.8	0.002	0.003
729-980826-MS-007	EM 362164	1330	100	6.5	8.3	0.002	0.002
729-980826-MS-008	EM 362165	0	100	ND	BDL	-	-
729-980826-MS-009	EM 362166	0	100	ND	BDL	-	-

Field Area = 0.00785 sq mm Filter area = 385 sq mm

Note Estimated Limit of Detection for 7400 Method is 7 F/cc mm

NA = Not Analyzed

Referenced Interlaboratory Sr s = 0.45

BDL = Below Detection Limit

CBR = Cannot Be Read, see Table II

TABLE II CHARACTERIZATION OF PARTICULATE DEBRIS

Client ID Number	Lab ID Number	Total Debris (%)	Characterization of Particulate Debris												
			Non-Fibrous					Fibrous							
			QFR	OPQ	DUST	RESIN	OTHER	S	NS	GYP	MIN	WOOL	OTHER		
729-980826-MS-005	EM 362162	10-15	+	+	+										
729-980826-MS-006	EM 362163	10-15	+	+	+										
729-980826-MS-007	EM 362164	10-15	+	+	+										
729-980826-MS-008	EM 362165	<1													
729-980826-MS-009	EM 362166	<1													

+ = Present

A = Abundant

QFR = Quartz/ Feldspar/Rock fragments

OPQ = Opaque

GYP = Anhydrite/Gypsum

S = Straight fibers

NS = Non straight fibers

MIN WOOL = Mineral Wool

SP = Spores

C = Cellulose

P = Pollen

E = Encapsulant

D = Diatoms

Pe = Perlite

St = Starch

Data OA

allowable for chromium under RCRA (19 77 mg/l)

2 2 4 Building 729

Building 729 had, at the time of inspection, a white gloss paint on interior surfaces. All colors sampled contained detectable levels of arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver and other non RCRA metals. Under TCLP analysis, no paints indicated levels above maximum concentration of contaminants for the toxicity characteristic.

The textured beige over tan exterior coating on the building contained detectable levels of arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver and other non RCRA metals. Under TCLP analysis, no paints indicated levels above maximum concentration of contaminants for the toxicity characteristic.

2 2 5 Building 782

Building 782 had, at the time of inspection, a white gloss paint over grey gloss on interior surfaces. All colors sampled contained detectable levels of arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver and other non RCRA metals. Under TCLP analysis, no paints indicated levels above maximum concentration of contaminants for the toxicity characteristic.

3 0 LEAD/METALS IN PAINT REGULATORY REVIEW AND RECOMMENDATIONS

3 1 Lead in Paint Regulatory Review

In June, 1995, the US Department of Housing and Urban Development (HUD) published the Guidelines for the Evaluation and Control of Lead Based Paint Hazards in Housing pursuant to Title X of the Housing and Community Development Act of 1992. The document replaced the 1990 publication Lead Based Paint: Interim Guidelines for Hazard Identification and Abatement in Public and Indian Housing. The new publication addresses lead hazards posed by paint, dust and soil in the residential environment. It provides specific guidelines for XRF and bulk paint sampling in housing including sampling locations, sample collection procedures and laboratory analysis procedures. In addition, it provides guidelines for hazard assessment of lead based paint, abatement of lead based paint, and clearance.

LEAD/METALS IN PAINT
CHARACTERIZATION REPORT
FOR BUILDING 779 CLUSTER

BFF/MRS-08-254 UN
TOC, Rev 0, Page 13 of 14
Date Effective: 08/06/97

Sample Number	Sample Description and Location	Lab Result TCLP * / (ICP)
779-980416-MS-030	Blue on plaster; from room 231 S wall, 3' E of SW corner, 3' from the floor	ND / (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, others)
779-980416-MS-031	Tan/beige/red/maroon on metal; from room 231/216 Hall, center of door, E jamb.	ND / (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, others)
779-980416-MS-032	Textured beige/tan on concrete and cinderblock; from 779B exterior S wall, 10' W of door 20, 2' from the floor.	ND / (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, others)
779-980416-MS-033	Textured beige/tan on cinderblock; from 779A exterior N wall, 12' W of door 6, 3' from the ground.	ND / (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, others)
779-980416-MS-034	Textured beige/tan on cinderblock; from 779 exterior N wall, 30' W of door 16, 5' from the ground.	ND / (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, others)
779-980416-MS-035	Textured beige/tan on cinderblock; from 729 exterior W wall, 7' N of W entry, 1' from the ground	ND / (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, others)
779-980416-MS-036 (QA)	Textured beige/tan on cinderblock; from 729 exterior W wall, 7' N of W entry, 1' from the ground	ND / (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, others)
779-980416-MS-037	White gloss on cinderblock; from 729, room 105 S wall, 10' E of SW corner, 5' from the floor	ND / (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, others)
779-980416-MS-038	White gloss/grey gloss on concrete; from 782 E wall, 25' S of NE corner, 4' from the floor	ND / (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, others)
779-980416-MS-039	White/beige/l. green on cinderblock; from room 160, W entry wall, NW corner, 4' from the floor.	lead / (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, others)

*Note TCLP column denotes in excess of max concentration. Otherwise ND, which means None Detected ICP column denotes metals detected Please refer to Lab Data Sheets for actual values

FORM 1A 1

INORGANIC ANALYSIS DATA SHEET

Lab Name Building 559 PA Inorganic Laboratories Sample No. 1
 Lab Sample ID X 98AZ065-035 Bldg 779 Solid Paint Sample
 Section ICPAES Lab Sample IDs beginning with X indicates TCLP Extract.
 % Solids for Sample 100.0000
 Date Sampled 5/13/98 SDG No MAY26
 Lab Receipt Date 5/13/98 QC Report No. SD052698 RPT
 Matrix: Water _____
 Soil _____
 Sludge _____
 Other X _____

Elements Identified and Measured

Concentration Units mg/L N V * E O O S +

Analyte	Concentration	C	Q	M
Aluminum	0.9000	U		P
Antimony	0.3000	U		P
Arsenic	0.3000	U		P
Berkum	0.2733	B		P
Beryllium	0.0160	U		P
Cadmium	0.0600	U		P
Calcium	712.3143	B		P
Chromium	0.1500	U		P
Cobalt	0.1500	U		P
Copper	0.3000	U		P
Iron	0.6000	U		P
Lead	0.2400	U		P
Magnesium	10.8973	B		P
Manganese	0.0930	B		P
Molybdenum	0.1600	U		P
Nickel	0.1500	U		P
Phosphorus	1.5000	U		P
Selenium	0.3600	U		P
Silver	0.0900	U		P
Strontium	1.9077	B		P
Thallium	0.3000	U		P
Titanium	0.0600	U		P
Vanadium	0.2400	U		P
Zinc	0.3111	B		P

Color Before Brown Clarity Before Cloudy

Color After Colorless Clarity After Clear

Texture

Artifacts Fine mesh brown solids left on TCLP Filter

Comments Sample = 100 % solids Pressure filtration of the TCLP solids extract through a standard TCLP pressure filtration unit, containing a 0.7 micron borosilicate glass fiber filter was performed to obtain the TCLP final sample extract

33

FORM 1A-1

INORGANIC ANALYSIS DATA SHEET

Lab Name Building 559 PA Inorganic Laboratories Sample No. 2
 Lab Sample ID X-88A2085-036 D Bldg 779 Solid Paint Sample Lab Duplicate
 Section ICPAES Lab Sample I.D.s beginning with X indicates TCLP Extract.
 % Solids for Sample 100.0000
 Date Sampled: 6/13/98 SDG No. MAY28
 Lab Receipt Date: 6/13/98 QC Report No. SD062696.RPT
 Matrix: Water _____
 Soil _____
 Sludge _____
 Other X

Elements Identified and Measured

Concentration Units: mg/L

N V * E O O S +

Analyte	Concentration	C	Q	M
Aluminum	2.000	U		P
Antimony	0.3000	U		P
Arsenic	0.3000	U		P
Barium	0.2001	B		P
Beryllium	0.0100	U		P
Cadmium	0.0000	U		P
Calcium	704.8998	B		P
Chromium	0.1500	U		P
Cobalt	0.1500	U		P
Copper	0.3000	U		P
Iron	0.0000	U		P
Lead	0.2400	U		P
Magnesium	11.8947	B		P
Manganese	0.0804	B		P
Molybdenum	0.1000	U		P
Nickel	0.1000	U		P
Phosphorus	1.0000	U		P
Selenium	0.3000	U		P
Silver	0.0000	U		P
Strontium	1.0000	B		P
Thallium	0.3000	U		P
Titanium	0.0000	U		P
Vanadium	0.3000	U		P
Zinc	0.3000	U		P

Color Before: Brown Clarity Before: Cloudy

Color After: Colorless Clarity After: Clear

Texture

Artifacts: Fine mesh brown solids left on TCLP Filter

Comments: Sample = 100 % solids. Pressure filtration of the TCLP solids extract through a standard TCLP pressure filtration unit, containing a 0.7 micron borosilicate glass fiber filter was performed to obtain the TCLP final sample extract.

FORM 1A 1

INORGANIC ANALYSIS DATA SHEET

Lab Name Building 559 PA Inorganic Laboratories Sample No 3
 Lab Sample ID X-98A2065-036 Bldg 779 Solid Paint Sample
 Section ICPAES Lab Sample I.D.s beginning with 'X' indicates TCLP Extract.
 % Solids for Sample 100 0000
 Date Sampled 5/13/98 SDG No. MAY26
 Lab Receipt Date 5/13/98 QC Report No SD052698.RPT
 Matrix: Water _____
 Soil _____
 Sludge _____
 Other X

Elements Identified and Measured

Concentration Units mg/L

N V * E O O S +

Analyte	Concentration	C	Q	M
Aluminum	0.9000	U		P
Antimony	0.3000	U		P
Arsenic	0.3000	U		P
Barium	0.2751	B		P
Beryllium	0.0150	U		P
Cadmium	0.0600	U		P
Calcium	662.6910	B		P
Chromium	0.1500	U		P
Cobalt	0.1500	U		P
Copper	0.3000	U		P
Iron	0.6000	U		P
Lead	0.2400	U		P
Magnesium	10.9395	B		P
Manganese	0.0648	B		P
Molybdenum	0.1500	U		P
Nickel	0.1500	U		P
Phosphorus	1.5000	U		P
Selenium	0.3600	U		P
Silver	0.0900	U		P
Strontium	1.7955	B		P
Thallium	0.3000	U		P
Titanium	0.0600	U		P
Vanadium	0.2400	U		P
Zinc	0.3000	U		P

Color Before Brown Clarity Before Cloudy

Color After Colorless Clarity After Clear

Texture

Artifacts Fine mesh brown solids left on TCLP Filter

Comments Sample = 100 % solids. Pressure filtration of the TCLP solids extract through a standard TCLP pressure filtration unit, containing a 0.7 micron borosilicate glass fiber filter was performed to obtain the TCLP final sample extract.

Appendix 5

PCB Bulk Product Material Notification to Erie Landfill



**Rocky Mountain
Remediation Services, L.L.C**
protecting the environment

Rocky Flats Environmental Technology Site
P.O. Box 464
Golden Colorado 80402-0464
Phone (303) 966-7000

April 21 1999

99-RF-01593

CORRES CONTROL	
LTR NO	
K-H Corres #	
99-RF-01593	
Originator Ltr Log #	
TAH-028-99	
DIST	LTR ENC
BODEY E D.	
CARMEAN C.H.	
CRAWFORD A.C.	
FINDLEY M.E.	
FITZ R.C.	
GUNN L.A.	
HUGHES F.P.	
KASEN J.A.	
KORENKO M.K.	
LAW J.E.	
MILLS S.H.	
OVERLID T.W.	
PATTERSON J.W.	
SUTTON S.R.	
TRICE K.D.	
WHEELER M.	X
WOLF K.Z.	X
WOLF H.C.	
HOPKINS T.A.	X
LESSER R.P.	X
URBAN D.L.	X
ADMIN RECORD	X
RMRS RECORDS	X
TRAFFIC	
PATS/T130G	
CLASSIFICATION	
UCM	
UNCLASSIFIED	
CONFIDENTIAL	
SECRET	
AUTHORIZED CLASSIFIER	
SIGNATURE	
Date:	
IN REPLY TO RF CC NO	
ACTION ITEM STATUS	
q PARTIAL/OPEN	
q CLOSED	
LTR APPROVALS	
ORIG & TYPIST INITIALS	
RPL:du	
RF-46469(Rev 1/99)	

Republic Services Inc
Front Range Landfill
Mark S Clinker
Manager of Landfill Operations
1830 Weld County Road 5
Erie CO 80516

**CLARIFICATION OF APRIL 7 1999 NOTIFICATION OF INTENT TO SHIP
POLYCHLORINATED BIPHENYL WASTE – TAH-028-99**

On April 7, 1999, Rocky Mountain Remediation Services L.L.C (RMRS) served notice via FAX of our intent to ship for disposal potential Polychlorinated Biphenyl (PCB) bulk product waste to Republic Service Inc 's Resource Conservation Recovery Act (RCRA) Subtitle D disposal facility located in Erie, CO This correspondence provides clarifying details concerning that April 7 notice

In June of 1998, EPA promulgated new regulations under the Toxic Substances Control Act (TSCA) (cf 40 CFR §§ 761 3 and 761 62) These regulations address the management of certain types of polychlorinated biphenyls (PCBs) that are regarded by the US Environmental Protection Agency as constituting such a low environmental hazard that disposal in Subtitle D facilities is environmentally protective (Federal Register Volume 63 Number 124, Pages 35410 to 35412 dated June 29 1998)

As part of the Rocky Flats Environmental Technology Site (SITE) deactivation and decommissioning (D&D), non-liquid PCBs in manufactured products at concentrations greater than 50 parts per million (ppm) will be generated Such "PCB Bulk Product Waste" is likely to be found in construction/demolition waste from virtually any demolition project in Colorado Importantly, the SITE building demolition waste is no different from the demolition wastes currently being accepted by Republic Services Inc s disposal facilities from your other clients Examples of such bulk product wastes are

- Applied dried paints varnishes waxes or other similar coatings or sealants and caulking,
- Plastics e.g wire insulation radio television and computer casings
- vehicle parts or furniture laminates and
- Non-liquid building demolition debris

The SITE s bulk product wastes shipped to your facility will be specifically limited to the PCB bulk product materials listed above The SITE's procedures are designed



April 21, 1999
Republic Services, Inc.
TAH-028-99
Page 2

to ensure that TSCA regulated materials, which cannot be disposed of at your facility, will not be shipped to your facility

Specifically, the notification of April 7, 1999 relates to the D&D operations for the Building 779 cluster. D&D for this cluster will proceed with Building 729, and other buildings will continue with completion slated by June 2000. Shipment of these wastes to your facility will be on-going throughout this time.

Federal regulations (40 CFR § 761.62 (b) (4) (i)), as typographically corrected by the Environmental Protection Agency on August 25, 1998, (see <http://www.epa.gov/pcb/techcor.pdf>) require written notification to the disposal facility by the generator at least 15 days in advance of shipping wastes for disposal, as follows:

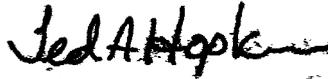
This PCB bulk product waste may include components containing PCBs at ≥ 50 ppm based on analysis of the waste in the shipment or application of a general knowledge of the waste stream (or similar material) which is known to contain PCBs at those levels, and this PCB bulk product waste is known or presumed to leach < 10 $\mu\text{g/L}$ PCBs.

Selected portions of materials from the Building 779 cluster have been sampled and tested for PCBs, with emphasis on suspected PCB bulk product material areas. Although PCBs have not been detected at any regulated concentration, RMRS cannot warrant that PCB bulk product materials are not present in areas not subjected to sampling and analysis. Copies of these analytical certificates were faxed to Republic on April 20, 1999.

Please contact David Kidd at 303-966-5835 if you have any questions.



David Kidd
Contract Technical Representative



Ted Hopkins, Manager
Environmental Compliance

RPL:dlu

cc
Alan Gaddy - Republic Services
Karan North - Kaiser-Hill
Mark Selman - Savant

APPENDIX 6

**ABSENCE OF UNUSUAL STAINING ON FLOORS
BUILDING 729**



Rocky Mountain
Remediation Services, L.L.C
protecting the environment

**INTEROFFICE
CORRESPONDENCE**

Date May 4, 1999
To Mark Hickman, 779 Closure Project Integration Manager
From Kathy Zbryk, 779 Closure Project Environmental Scientist *KZbryk*
Subject VISUAL INSPECTION OF BUILDING 729

On Thursday April 8, 1999 a visual inspection of the interior wall and floor surfaces was conducted in Building 729. All wall and floor surfaces on the first floor, the stairwell, and the bridge were examined for unusual staining. No surfaces that were examined exhibited any unusual staining. In addition, no unusual odors were detected.

Please contact me at extension 6647 if you have any questions regarding the visual inspection of Building 729.

Cc
Project File

APPENDIX 6

ABSENCE OF UNUSUAL STAINING ON FLOORS BUILDING 729



Rocky Mountain
Remediation Services, L L C
protecting the environment

**INTEROFFICE
CORRESPONDENCE**

Date May 4, 1999
To Mark Hickman, 779 Closure Project Integration Manager
From Kathy Zbryk, 779 Closure Project Environmental Scientist *KZbryk*
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Cc
Project File

4/12