



KAISER • HILL
COMPANY

INTEROFFICE MEMORANDUM

DATE: April 19, 2001
TO: Distribution
FROM: K. North, K-H/ESS, T130C, X9876 *KN*
SUBJECT: DEMOLITION OF TRAILER T331A - KN-05701

As described in the attached Environmental Checklist, the Site plans to demolish Trailer T331A.

Please review the attached Environmental Checklist with respect to your areas of expertise and responsibility for any issues related to project effects or compliance. If you need additional information about the project, contact Niles Jokela (X8132).

By close of business on April 24, 2001, please submit:

1. your comments or concerns, or
2. a statement that the project presents no issues for your area of responsibility (e-mail is acceptable).

Attachments:
As Stated

Distribution:

Laura Brooks, K-H
Leslie Dunstan, RMRS
Mike Putney, Radian
Tamar Krantz, LABAT
Keith Motyl, RFCSS

Marcia Murdock, K-H
Kyle Turner, LABAT
Mark Hesel, PE
Andy Rosenman, K-H
Doug Schlagel, LABAT

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- SAFE AND COMPLIANT CLOSURE -

ADMIN RECORD

IA-A-000764

1/12

Kaiser-Hill Environmental Systems and Stewardship
ENVIRONMENTAL CHECKLIST
ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

1. Project Name: *Demolition of Trailer T331A*
2. Date Submitted: *4/16/01*
3. Proposed Project Start Date: *5/1/01*

Note that a typical review takes two weeks.

Please specify and explain any schedule urgency and deadlines below:

4. Charge Number: *EFB03FMM*
5. WAD Number:
6. Project Manager (company, bldg., ext.): *Roger Keel, T4S2F Rms X 7850
RFCS*
7. Kaiser-Hill Manager (bldg., ext.): *Steve Dietz, Bldg 116*
8. Prepared By (company, bldg., ext.): *John Bender, T130D, K 4195
OMEGA*
9. Project Description (Be as detailed and specific as possible. Use the checklist as a guide for issues to be addressed in the description of the project.):

*Demolish T331A and dispose in sanitary
Landfill. See attached copy of work
Package T0106201 (applicable pages)*

Reviewed for Classification/UNCI

By: _____

Date: _____

Kaiser-Hill Environmental Systems and Stewardship
ENVIRONMENTAL CHECKLIST
 ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

	YES	NO	NOTES
10. Clean Air Act (CAA):			
If known, will the project require a new or modified permit?	___	___✓	
Will the project generate air emissions (e.g., dust clouds; diesel generator)?	___	___✓	
Will the project activities occur in a facility with existing air monitors?	___	___✓	
If YES, please explain below, including where release would go, or discuss in 9. Project Description.			

11. Clean Water Act (CWA):			
If known, will the project require a new or modified permit?	___	___✓	
Could project activities release pollutants (e.g., soils) to surface water?	___	___✓	
Could project activities release liquid pollutants?	___	___✓	
If YES, please explain below, including where release would go, or discuss in 9. Project Description.			

Will water need to be treated onsite?	___	___✓	
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12. Resource Conservation and Recovery Act (RCRA):			
If known, will a RCRA permit or permit modification be required?	___	___✓	
Will the project generate, treat, store, or dispose of hazardous, radioactive, or mixed waste?	___✓	___	
Will the project involve a RCRA removal?	___	___✓	
Will the project include a partial RCRA closure?	___	___✓	
Will the project include a full RCRA closure?	___	___✓	
Is a closure description document being prepared?	___	___✓	

**Kaiser-Hill Environmental Systems and Stewardship
ENVIRONMENTAL CHECKLIST
ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE**

	YES	NO	NOTES
Will the project include land excavation or capping to meet RCRA requirements?	___	___ ✓	
Will the project construct or require a new or expanded waste disposal, recovery, storage, or treatment facility?	___	___ ✓	
Will the project increase solid waste generation? If YES, by about how much?	___	___ ✓	
Will any medical/infectious waste be generated?	___	___ ✓	
Will the action include off-site shipment of waste? If YES, where would the wastes be sent?	___	___ ✓	
Has a waste management plan been prepared?	___	___ ✓	
Will the project affect existing Consent Orders or other agency agreements? If YES, how?	___	___ ✓	
Will any new or project-specific chemicals be used (not currently used on Site)?	___	___ ✓	
Will tanks be drained, removed, or otherwise affected as a result of the project?	___	___ ✓	
Will cost and duration stay within \$5 million and 60 months? If NO, please explain below or describe in 9. Project Description.	___	___ ✓	

13. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):

Are project activities required by the Rocky Flats Cleanup Agreement (RFCA)?	___ ✓	___	
If YES, is the project described in a document that has been approved or will be approved by EPA or CDPHE before project work begins?	___ ✓	___	
If YES, has that document been reviewed by the K-H ESS group for inclusion of NEPA values and environmental compliance?	___	___	
Will the project include decontamination and decommissioning of a facility?	___	___ ✓	

Kaiser-Hill Environmental Systems and Stewardship

ENVIRONMENTAL CHECKLIST

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

	YES	NO	NOTES
Will the project include environmental restoration?	—	✓	
Will the project be near an Individual Hazardous Substance Site (IHSS)?	—	✓	
Will the project be in or near a Potential Area of Concern (PAC)?	—	✓	
If YES, the project is in an IHSS or PAC, please explain below or discuss in 9. Project Description. Include a map of the project if possible.			
14. Will soils be disturbed?	✓	—	
If YES, are soils suspected to be contaminated?	—	✓	
Chemically contaminated?	—	✓	
Radiologically contaminated?	—	✓	
If YES, will a soil disturbance permit be prepared?	✓	—	
Will the action include off-site shipment of contaminated/waste soils?	—	✓	
If YES, where would the soils be sent?			
Has a waste management plan been prepared?	—	✓	
15. Monitoring:			
Will the project require performance monitoring per RFCA or IM/IRA requirements?	—	✓	
If YES, have appropriate steps been taken to implement those requirements through the Integrated Monitoring Plan?	—	✓	
If the project is D&D, have provisions to install groundwater monitoring wells been considered?	—	✓	
16. Toxic Substances Control Act (TSCA):			
Will asbestos be removed or handled?	—	✓	
Will an Asbestos Abatement Permit be obtained?	—	✓	
Will the project generate PCB-containing waste?	✓	—	
Will the project generate potential PCB-containing material that could be commercially resold, reused, or recycled?	✓	—	
Will the action include off-site shipment of waste?	—	✓	
If YES, where would wastes be sent?			
Has a waste management plan been prepared?	—	—	

**Kaiser-Hill Environmental Systems and Stewardship
ENVIRONMENTAL CHECKLIST
ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE**

YES NO NOTES

17. Pollution Prevention:

- | | | |
|--|----------|----------|
| For construction projects, do contracts specify the use of recycled materials (as per the Affirmative Procurement requirements of EO 13101)? | ___ | ✓
___ |
| Has energy efficiency been considered? | ___ | ✓
___ |
| Have waste minimization opportunities been incorporated? | ✓
___ | ___ |
| Have other pollution prevention measures been considered? | ___ | ✓
___ |

If YES, please explain below or discuss in 9. Project Description.

18. Safe Drinking Water Act (SDWA):

- | | | |
|--|-----|----------|
| Could the project affect drinking water sources or supplies? | ___ | ✓
___ |
|--|-----|----------|

19. Will the project be located in or adversely affect:

- | | | |
|--|-----|----------|
| Potentially effect Preble's Mouse habitat? | ___ | ✓
___ |
| Wetlands (e.g., dredge or fill operations)? | ___ | ✓
___ |
| Designated natural areas? | ___ | ✓
___ |
| Prime agricultural land? | ___ | ✓
___ |
| Special water sources (e.g., drinking water, Great Western Reservoir)? | ___ | ✓
___ |
| Historical, archaeological, or architectural sites or buildings? | ___ | ✓
___ |

If YES, please explain below or discuss in 9. Project Description.

- | | | |
|---|-----|----------|
| Will disturbed area require revegetation (i.e., revegetation using native plant species)? | ___ | ✓
___ |
|---|-----|----------|

If YES, please explain below or discuss in 9. Project Description.

[NOTE: Kaiser-Hill Ecology Group must approve the revegetation plan, including seed mixture.]

- | | | |
|---|-----|----------|
| 20. Will the project present a radiation health and safety concern during construction or operation (Price-Anderson Act)? | ___ | ✓
___ |
|---|-----|----------|

- | | | |
|--|-----|----------|
| 21. Is the project part of an agreement between DOE and another federal or state agency? | ___ | ✓
___ |
|--|-----|----------|

6

Kaiser-Hill Environmental Systems and Stewardship
ENVIRONMENTAL CHECKLIST
 ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

22. Is the project:
- A new process, equipment, building, etc.?
 - A modification to an existing process, building, etc.?
 - An installation of capital equipment?
23. Will the project result in a long-term increase in noise levels?
24. Will the project result in, or have the potential to result in, long-term changes to the environment?
25. Will the project have effects on the environment that are likely to be publicly controversial?
26. Will the project establish a precedent for future projects that will have significant effects, or represent a "decision in principle" about a future consideration?
- Is the project related to other projects or to a larger program?

If YES, please explain below or discuss in 9. Project Description.

COMMENTS:

Approved by the Project Environmental Manager:

SM [Signature]
 Signature

4/17/01
 Date

Section 5
List of Required Drawings and References

PERFORMANCE REFERENCES

REFERENCE	DESCRIPTION	REV/EFFECTIVE DATE
NONE		

DEVELOPMENTAL REFERENCES

REFERENCE	DESCRIPTION	REV/EFFECTIVE DATE
MAN-071-IWCP	Integrated Work Control Program Manual	Rev 3, 10/30/00
MAN-066-COOP	Conduct of Operations	Rev 1, 10/30/00
MAN-072-OS&IH PM	Chapter 9, Lockout/Tagout	Rev 0, 1/3/00
MAN-072-OS&IH PM	Chapter 36, Electrical Safety Practices	Rev 1, 3/2/99
MAN-072-OS&IH PM	Chapter 45, Excavation and Trenching	Rev 1, 2/15/01
SX-164	Plant System and Component Identification and Labeling	Issue H, 8/14/98
NEC	National Electrical Code (NEC)	1999
N/A	Reconnaissance Level Characterization Report (RLCR) Group C Facilities	Rev 0, 8/9/00
1-PRO-573-SWODP	Sanitary Waste Offsite Disposal Procedure	Rev 0, 9/30/98
PRO-141-RSP-09.01,	Release of Property, Material, Equipment and Waste	Rev 1, 1/17/00
AWWA C651	Standard for Disinfecting Water Main	Current
1-G98-EPR-ENS.04	Migratory Bird Evaluation And Protection	Rev 0, 4/19/00
1-PRO-072-001	Inspection and Acceptance Test Program	Rev 20, 12/30/00

A review of the LL/GI database revealed the following lessons learned are applicable to this activity.
None.

Section 8
Initial Conditions & Prerequisites

PURPOSE:

This package provides instructions to dispose of Trailer T331A.

SCOPE:

It has been determined that the site no longer needs Trailer T331A, located just east of the Fire Department Building 331. Trailer T331A was used as a locker and shower area for Fire Department personnel. This package provides the instructions and checks to dispose T331A, to include the following activities:

- Verification of characterization
- Disposition of hazardous wastes
- Disposition of sanitary wastes
- Disconnection of utilities, including electrical, sewer, domestic water, telephone/data, and alarms.
- Demolition of trailer
- Transportation of the trailer debris to the sanitary landfill

Results from the Reconnaissance Level Characterization Report (RLCR) indicate that no radioactive or chemical contamination exists and that no significant physical hazards are present. T331A contains non-friable asbestos containing material (ACM) and disposal of ACM will require notification of the State and the waste disposal facility. Based on the assessment, T331A is confirmed to be a Rocky Flats Closure Agreement (RFCA) Type 1 facility and can be disposed of as sanitary waste. This trailer is approximately 40' long, 10' wide and 8' high with a 2' skirt.

Estimated Waste Volumes by Waste Type (per RLCR)

Concrete	Wood	Metal	Corrugated/ Sheet Metal	Wall Board	ACM	Other Waste
None	250 cu ft	85 cu ft	24 cu ft	16 cu ft	Flooring material – 8 cu ft	Fiberglass insulation - 400 cu ft, 1 hot water heater, 1 toilet, 1 sink

8.1 PRECAUTIONS AND LIMITATIONS

- 8.1.1** If any discrepancies or difficulties are encountered which cannot be resolved within the scope of the work procedure, stop work and immediately inform supervisory personnel.
- 8.1.2** Steps of this package shall be performed in sequence unless otherwise noted.
- 8.1.3** Trailer T331A is required to be demolished within 24 hours after the fire suppression system in the trailer is isolated.
- 8.1.4** Prior to disconnecting electrical, and domestic water initiate lockout tagout per requirements of MAN-072-OS&IH PM, Chapter 9, Lockout/Tagout and complete KH Lockout/Tagout Checklists located in Appendix 3.
- 8.1.5** Prior to moving the trailer, initiate lockout tagout per requirements of MAN-072-OS&IH PM, Chapter 9, Lockout/Tagout for the overhead steam, condensate, and plant air lines. A lockout tagout is required because of the close proximity of the support stanchions for these lines to the trailer.
- 8.1.6** When moving the trailer to the parking lot, use spotters to prevent contact with the support stanchions for the overhead utility lines.
- 8.1.7** NO energized work shall be performed for work using this work package.

8.1 PRECAUTIONS AND LIMITATIONS (Continued)

8.1.8 DO NOT disturb any nests without notifying K-H Ecology Group any obtaining permission prior to disturbing.

8.1.9 Prior to any soil disturbance or excavation obtain approval the requirements of MAN-072-OS&IH PM, Chapter 45, Excavation & Trenching

8.2 PREREQUISITES - None

APPENDIX 7

T0106201 - T331A DEMOLITION CHECKLIST

REQUIREMENT	GOVERNING DOCUMENT	INITIALS	DATE
Davis-Bacon Determination	I-W25-ADM-9.05, Davis Bacon Determination		
Trailer Characterized	Reconnaissance Level Characterization Report	Completed	8/9/00
Verify no bird nests at trailer. If nests are present DO NOT disturb nests and notify KH Ecology.	1-G98-EPR-ENS.04, Migratory Bird Evaluation And Protection		
Loose Property Removed, including fire extinguishers.	1-MAN-009-PMM, Property Management Manual		
Ensure Sanitary Waste Prohibited Items Removed, including air conditioners, per applicable WGIS.	1-PRO-573-SWODP, Sanitary Waste Offsite Disposal Procedure, Appendix 2, Sanitary Waste Prohibited Items		
Ensure Environmental Checklist Completed	Kaiser-Hill Environmental Systems and Stewardship Environmental Checklist RFETS		
Soil Disturbance Approval Form Completed	MAN-072-OS&IH PM, Chapter 45, Evacuation and Trenching		
Ensure Release Evaluation Form Completed	PRO-141-RSP-09.01, Release Of Property, Material, Equipment and Waste		
Remove Trailer Skirting	EDP, Section 9.3		
Perform LO/TO for Disconnection of Electrical	MAN-072-OS&IH PM, Chapter 9, Lockout/Tagout EDP, Section 9.3, using KH Lockout Tagout Checklist, located in Appendix 3.		
After LO/TO performed, disconnect electrical	EDP, Section 9.3		
After electrical disconnected, remove lights & ballasts	EDP, Section 9.3		
Remove emergency lights	EDP, Section 9.3		
Disconnect Sewer Line	EDP, Section 9.3		
Disconnect Telephone/Data lines	EDP, Section 9.3		
Disconnect LS/DW	EDP, Section 9.3		
Perform LO/TO for Disconnection of Domestic Water	MAN-072-OS&IH PM, Chapter 9, Lockout/Tagout EDP, Section 9.3, using KH Lockout Tagout Checklist, located in Appendix 3.		
NOTE- Trailer shall be demolished with 24 hours of isolating the fire suppression After LO/TO performed, disconnect domestic water (includes fire suppression)-	EDP, Section 9.3		
Disconnect alarms and remove smoke detectors, after fire suppression isolated.	EDP, Section 9.3		
Drain water lines & hot water heater	EDP, Section 9.3		

APPENDIX 7

T0106201 - T331A DEMOLITION CHECKLIST

REQUIREMENT	GOVERNING DOCUMENT	INITIALS	DATE
Acceptance by Demolition Project Manager	Step 9.3.1 of this package		
Obtain roll-offs	1-PRO-573-SWODP, Sanitary Waste Offsite Disposal Procedure		
Notify Sanitary Special Waste Project Landfill of expected demolition date, to give landfill at least 15 day notice.	1-PRO-573-SWODP, Sanitary Waste Offsite Disposal Procedure		
Notify Warehouse of expected demolition date, so warehouse will be available when roll-offs are transported to landfill	1-PRO-573-SWODP, Sanitary Waste Offsite Disposal Procedure		
Perform LO/TO for overhead Steam condensate, and air lines.	MAN-072-OS&IH PM, Chapter 9, Lockout/Tagout KH Lockout Tagout Checklist, located in Appendix 3 of this package		
Just prior to moving trailer verify no bird nests at trailer. If nests are present <u>DO NOT</u> disturb nests and notify KH Ecology for permission to proceed.	1-G98-EPR-ENS.04, Migratory Bird Evaluation And Protection		
After LO/TO installed for overhead lines, then move trailer to parking lot.	N/A		
After trailer is in parking lot, then demolish trailer & place in roll-offs.	N/A		
Ensure hot water heater is crushed prior to being placed in roll-off	1-PRO-573-SWODP, Sanitary Waste Offsite Disposal Procedure, Appendix 2, Sanitary Waste Prohibited Items		
Transport roll-offs to landfill	1-PRO-573-SWODP, Sanitary Waste Offsite Disposal Procedure		

REQUIREMENT	GOVERNING DOCUMENT	INITIALS	DATE
Excavate 3ft down and cap sewer line.	MAN-072-OS&IH PM, Chapter 45, Excavation & Trenching EDP, Section 9.3		
Excavate 3ft down and cap domestic water line. Ensure cap and breached area of water line is disinfected and inspected by KH-QC. Place inspect KH QC Inspection report in Appendix 3.	AWWA C651, Standard for Disinfecting Water Main 1-PRO-072-001, Inspection and Acceptance Test Program		
Clean and grade foundation area	EDP, Section 9.3		

REQUIREMENT	GOVERNING DOCUMENT	INITIALS	DATE
Notify Advanced Closure Planning to perform Closeout Report	N/A		

12/12