

Revised 05/05

CORRES. CONTROL  
INCOMING LTR NO.

00371 RF05

DUE DATE  
ACTION



Department of Energy

ROCKY FLATS PROJECT OFFICE  
12101 AIRPORT WAY, UNIT A  
BROOMFIELD, COLORADO 80021-2583

RECEIVE

2005 JUL 21 P

CORRESPONDENCE  
CONTROL

JUL 15 2005

05-DOE-00440

DIST.	LTR	ENC
BERARDINI, J.H.	X	X
BOGNAR, E.S.	X	X
BROOKS, L.	X	X
CARPENTER, M.	X	X
CIUCCI, J.A.		
CROCKETT, G. A.	X	X
DECK, C. A.	X	X
DEGENHART, K. R.	X	X
DEL VECCHIO, D.		
FERRERA, D. W.	X	X
GIACOMINI, J. J.		
GILPIN, H.		
LINDSAY, D. C.	X	X
LONG, J. W.		
NESTA, S.	X	X
SHELTON, D. C.	X	X

Mr. Steven H. Gunderson  
RFCA Coordinator  
Colorado Department of Public Health and Environment  
4300 Cherry Creek Drive South  
Denver, CO 80222-1530

Dear Mr. Gunderson:

TUOR, N. R.	X	X
WARD, D.	X	X
WIEMELT, K.	X	X
ZAHM, C.	X	X

Please find enclosed a completed Rocky Flats Cleanup Agreement Type 1 building disposition Closeout Report provided for your information for B 331S, a Storage Building for the Garage. Questions may be directed to Gary Morgan, of my staff, at (303) 966-6003.

Freiboth C X X

Rutheven M X X

Sincerely,

John J. Rampe, Director  
RFPO Closure Project Management

Attachments

- cc w/o Encl:
- F. Lockhart, OOM
- D. McCranie, EMCBC
- G. Morgan, HCPM
- S. Nesta, K-H RISS Env
- C. Freiboth, K-H RISS D&D
- K. Wiemelt, K-H RISS D&D
- M. Aguilar, EPA Region VIII
- RFCLOG
- RFCAB

COR. CONTROL	X	X
ADMIN. RECORD	X	X

Reviewed for Addressee  
Corres. Control RFP

7-21-05 - JB  
Date By

Ref. Ltr. #  
05RF000652

cc w/ Encl:  
Administrative Record

DOE ORDER # 5400.1



ADMIN RECORD

RECEIVED

2005 JUL 13 P 2 73

U.S. DEPARTMENT OF ENERGY  
OFFICE OF ENVIRONMENTAL  
CONTROL



July 6, 2005

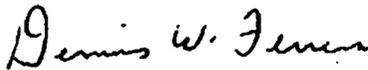
05-RF-00652

Gary Morgan, Director  
Project Support  
DOE, RFPO

**TRANSMITTAL OF CLOSE OUT REPORT FOR 331S STORAGE BUILDING FOR GARAGE  
DWF-058-05**

Attached is the Closeout Report for the Type 1 facility 331S Storage Building for Garage.  
Please note that a copy of the report has been submitted to the CERCLA AR by the Kaiser-Hill  
RISS project.

Please contact Steve Nesta x6386 with questions or concerns.



Dennis W. Ferrera  
Vice President and Project Manager  
Remediation, Industrial D&D, and Site Services

Attachment:  
As Stated

SMN:pvt

Orig. and 1 cc - Gary Morgan

cc:  
John Rampe  
Deanna McCranie

Property      Waste      Sample

**RELEASE EVALUATION FORM**

Page 1 of 6

Release Evaluation No.: 050301-T130F-002 EXTENDED: No EXPIRES: NA Charge No.: EHC331CH  
**PART I** SENDER/CUSTODIAN ACKNOWLEDGEMENT

**Description of Property/Waste/Sample To Be Released/Transferred:** Construction debris to include the concrete slab and other materials associated with 33 1S..

**Current Location:** Buildings 331S

<b>Destination: Front Range Landfill</b> Republic Services 1830 Weld County Rd Erie, CO 80516	OR	<b>Tower Road Landfill</b> BFI Waste Systems 88 <sup>th</sup> Ave. and Tower Rd. Commerce City, CO 80022	OR	<b>Hwy 93- Foothills Landfill</b> BFI Waste Systems 8900 Highway 93. Golden, CO 80403
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**New Recipient/Custodian:** Same as above

**History/Process Knowledge:** Building 331S was used to store tires, new drummed product, non-regulated used absorbent and spare parts. It was never posted as a CA/RMA

Has the specified material ever been in an RBA/CA or contacted DOE controlled radioactive materials? No

- 1) By signing below, I certify information provided in Part I of this release evaluation to be true and accurate.
- 2) By signing below, I agree to comply with the specific requirements noted in Part II of this release evaluation.

Sender/Custodian: Steve Mager / *Steve Mager* Emp. No: [REDACTED] Date: 3/1/05 Ext: 5624

**PART II** **RADIOLOGICAL ENGINEERING**

**SPECIFIC REQUIREMENTS AND/OR COMMENTS:**

**Building 331S requires further radiological characterization prior to unrestricted release. Collect 10 removable and direct alpha measurements and scan 10% of the interior and exterior surfaces**

- 1.) Custodian, retain a copy of all documents required by this release evaluation. The sender/custodian will be responsible for ensuring a copy of this release evaluation is available for auditing/due diligence purposes.
- 2.) Custodian, ensure that all soil is removed from the collected waste upon demolition, prior to waste disposal. If indicated waste/soil is to remain at the applicable current locations, this statement may be disregarded. This release evaluation does not address the removal of soil from the site. Custodian is responsible for ensuring this requirement is met.
- 3.) Radiological Engineer, process release evaluation to indicate an unrestricted free-release. Sign all appropriate documentation required for the disposition of the affected items.

Release Evaluation # 050301-T130F-002Page 2 of 6

Evaluated: Roger Worrick / *[Signature]* Emp. No: [Redacted] Date: 3/1/05 Ext: 3357  
 Radiological Engineer

**APPROVAL FOR TRANSFER/SHIPMENT**

Approved: Chad Blake / *[Signature]* Emp. No: [Redacted] Date: 3/23/05 Ext: 5909  
 Radiological Engineer

**PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS****Release Evaluation for Waste:**

A Release Evaluation for Waste requires an evaluation and unrestricted release approval signature. The evaluation signature is by the Radiological Engineer (RE) providing the methods or criteria for unrestricted release (i.e., survey requirements, analytical requirements, no survey required, etc.). The unrestricted release approval signature for a Release Evaluation for Waste shall be a RE authorized to provide unrestricted release approval. In addition, the evaluation and unrestricted release approval signatures shall not be the same RE. The intent of this provision is to provide peer review of the evaluation and method of unrestricted release. It is important the RE take the peer review process seriously and not become a "rubber stamp" for their fellow engineer.

**Release Evaluation for Property:**

A Release Evaluation for Property requires an evaluation and unrestricted release approval signature. For a Release Evaluation for Property, the evaluation and unrestricted release signature may be the same RE. In the past, only one signature was required for property for which a RE could provide an unrestricted release on the basis of process knowledge/history.

**Release Evaluation for Samples:**

Samples are any waste or material that is being shipped to an off-site facility for analysis. Samples that may be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques may be authorized for shipment to an off-site facility using the signatory requirements specified for property. Samples which cannot be provided with an unrestricted release using process knowledge/history or standard contamination survey techniques shall be authorized for shipment from the Site using the methodology specified for waste, i.e., second signature being provided by a RE authorized to perform peer review and approval for shipment.

**PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS**

Release Evaluation # 050301-T130F-002

Page 3 of 6

The approval for transfer/shipment section of a Sample Release Evaluation (SRE) shall be revised as noted below for samples which cannot be provide with an unrestricted release.

*- "The samples specified in Part I of this release evaluation are being provided with authorization for transport as non-radioactive materials in accordance with Department of Transportation (49 CFR) regulation. This authorization for shipment does not constitute an unrestricted release."*

**Additional Documentation:**

Number of lines per section may be modified or additional pages attached to ensure adequate documentation of information necessary to perform release evaluation.

Additional pages or attachments to a release evaluation shall have the evaluation number, Page \_\_\_ of \_\_\_, initials of Radiological Engineer signing approval for transfer/shipment and date.

INSTRUMENT DATA				Survey type: Contamination Alpha & Beta	
Mfg. Eberline	Mfg. Blicron	Mfg. NE Electra	Building: 331		
Model Sac-4	Model N/A	Model DP-6	Location: Oil Shed		
Serial # 978	Serial #	Serial # 3251	Purpose: Release		
Cal Due 6/8/05	Cal Due	Cal Due 8/9/05	RWP #: NA		
Bkg 0.1 cpm	Bkg cpm	Bkg 1 cpmα	Date: 3/22/05 Time: 0730-1600		
Eff. 33 %	Eff. %	Eff. 22.1 %	RCT: McCann [Signature]		
MDA 20 dpm	MDA	MDA 33 dpmα	Print name Signature Emp. #		
Mfg. Eberline	Mfg. NE Electra	Mfg. NE Electra	RCT: NA 1 1		
Model BC-4	Model DP-6	Model DP-6	Print name Signature Emp. #		
Serial # 910	Serial # N/A	Serial # 3251	RCT: NA 1 1		
Cal Due 10/28/05	Cal Due	Cal Due 8/9/05	Print name Signature Emp. #		
Bkg 39 cpm	Bkg cpm	Bkg 405 cpmβ	Print name Signature Emp. #		
Eff. 14 %	Eff. %	Eff. 22 %	Print name Signature Emp. #		
MDA 258 dpm	MDA	MDA 438 dpmβ	Print name Signature Emp. #		

PRN/REN # : \_\_\_\_\_ Survey is of accessible areas.  
 Comments: Nuclides of concern are Uranium and Plutonium. Swipes, direct scans and pats were performed.  
 Actual Electra used # 3251, Beta Calibrated efficiency is 32.0%

**SURVEY RESULTS**

Swipe #	LOCATION/DESCRIPTION	ALPHA			BETA		
		Swipe	Direct	Wipe	Swipe	Direct	Wipe
		dpm/100cm2	dpm/100cm2	dpm/wipe	dpm/100cm2	dpm/100cm2	dpm/wipe
1		220	294	NA	2258	2438	NA
2		220	294		2258	2438	
3		220	294		2258	2438	
4		220	294		2258	2438	
5		220	294		2258	2438	
6		220	294		2258	2438	
7		220	294		2258	2438	
8		220	294		2258	2438	
9		220	294		2258	2438	
10		220	294		2258	2438	
11		220	294		2258	2438	
12		220	294		2258	2438	
13		220	294		2258	2438	
14		220	294		2258	2438	
15		220	294		2258	2438	
16		220	294		2258	2438	
17		220	294		2258	2438	
18		220	294		2258	2438	
19		220	294		2258	2438	
20		220	294	NA	2258	2438	NA

Date Reviewed: MAR 23 2005 RS Supervision: Steve Gematt  
 Print Name Signature

6

SURVEY RESULTS							
Swipe #	LOCATION/DESCRIPTION	ALPHA			BETA		
		Swipe	Direct	Wipe	Swipe	Direct	Wipe
		dpm/100cm <sup>2</sup>	dpm/100cm <sup>2</sup>	dpm/wipe	dpm/100cm <sup>2</sup>	dpm/100cm <sup>2</sup>	dpm/wipe
21		120	194	N/A	2258	438	N/A
22		120	194	N/A	2258	438	N/A
23		120	194	N/A	2258	438	N/A
24		120	194	N/A	2258	438	N/A
25		120	194	N/A	2258	438	N/A
26		120	194	N/A	2258	438	N/A
27		120	194	N/A	2258	438	N/A
28		120	194	N/A	2258	438	N/A
29		120	194	N/A	2258	438	N/A
30		120	194	N/A	2258	438	N/A
31		120	194	N/A	2258	438	N/A
32		120	194	N/A	2258	438	N/A
33		120	194	N/A	2258	438	N/A
34		120	194	N/A	2258	438	N/A
35		120	194	N/A	2258	438	N/A
36		120	194	N/A	2258	438	N/A
37		120	194	N/A	2258	438	N/A
38		120	194	N/A	2258	438	N/A
39		120	194	N/A	2258	438	N/A
40		120	194	N/A	2258	438	N/A
41		120	194	N/A	2258	438	N/A
42		120	194	N/A	2258	438	N/A
43		120	194	N/A	2258	438	N/A
44		120	194	N/A	2258	438	N/A
45		120	194	N/A	2258	438	N/A
46		120	194	N/A	2258	438	N/A
47		120	194	N/A	2258	438	N/A
48		120	194	N/A	2258	438	N/A
49		120	194	N/A	2258	438	N/A
50		120	194	N/A	2258	438	N/A
1	Rollers	120	194	N/A	2258	438	N/A
2		120	194	N/A	2258	438	N/A
3		120	194	N/A	2258	438	N/A
4		120	194	N/A	2258	438	N/A
5		120	194	N/A	2258	438	N/A
6		120	194	N/A	2258	438	N/A
7		120	194	N/A	2258	438	N/A
8		120	194	N/A	2258	438	N/A
9		120	194	N/A	2258	438	N/A
10	Rollers	120	194	N/A	2258	438	N/A
11				N/A			N/A
12				N/A			N/A
13				N/A			N/A

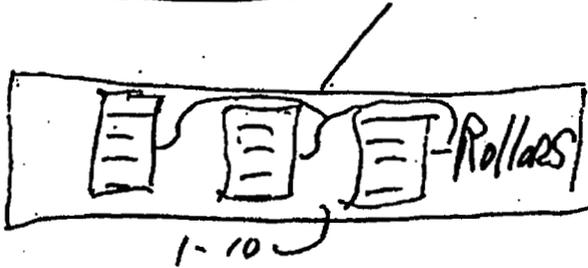
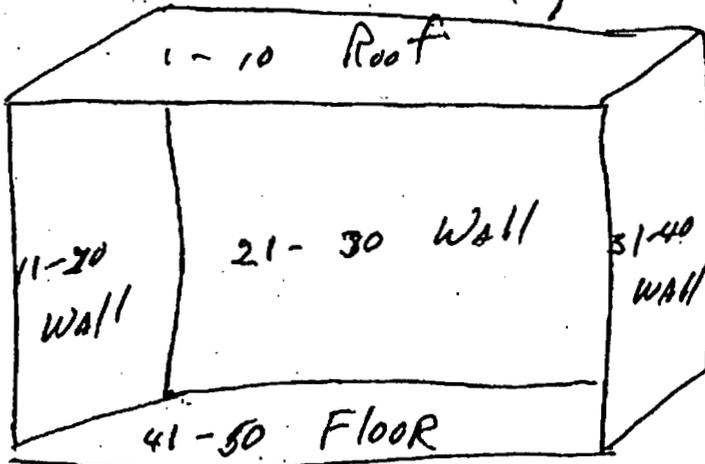
ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

RADIOLOGICAL SAFETY

Drawing Showing Survey Points

Oil Shed - 331

51-60. Back Wall



# Building 331S Location Map

## Standard Map Features

- Demolished Facility
- Remaining Facility
- Demolished Roads
- Paved Roads
- Dirt Road
- Pond
- Railroad Removed
- Railroad Remaining
- Fence Remaining
- Stream



Scale: 1 inch = 100 feet  
Graphic Control Area (GCA)  
Date: 10/27/07

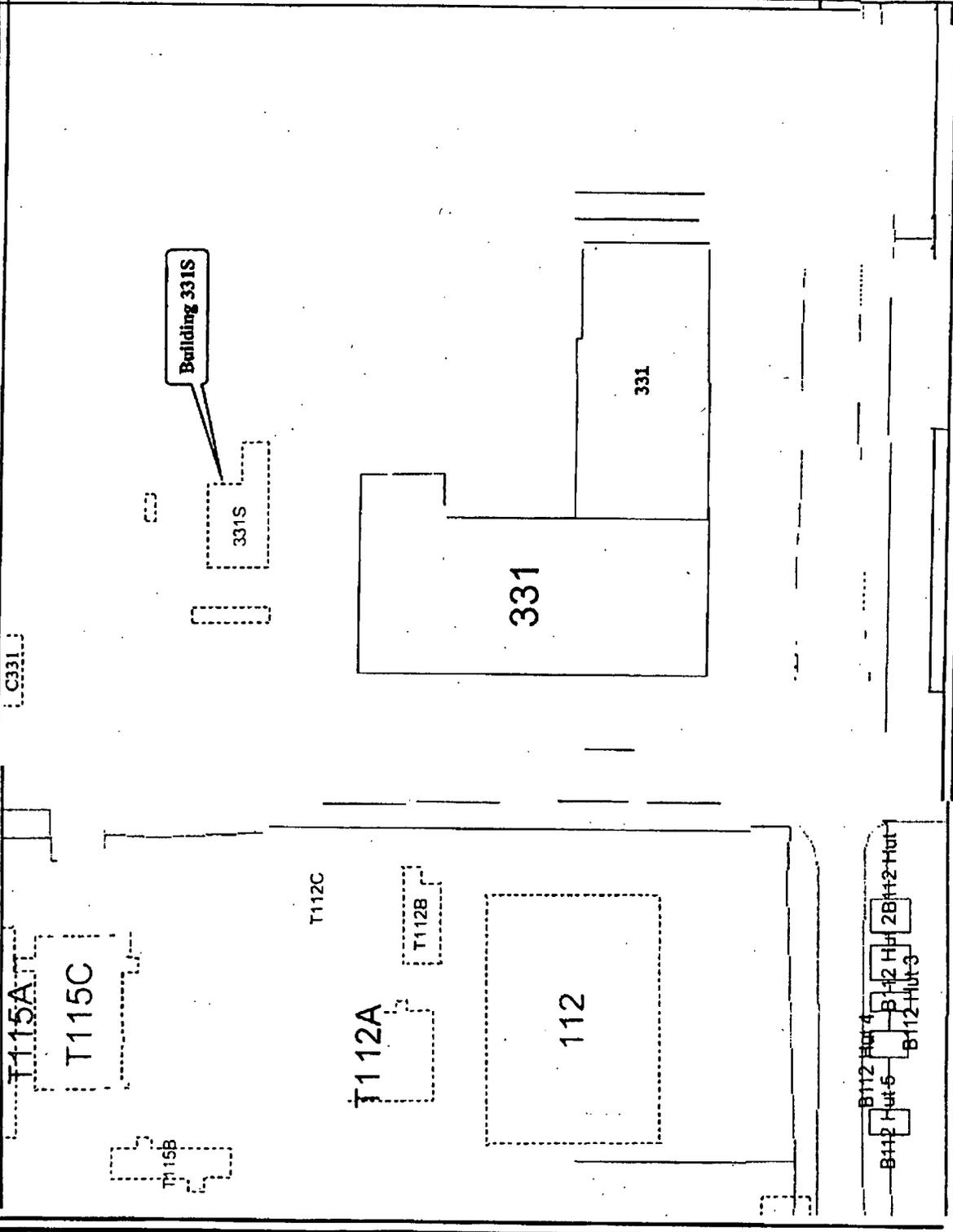
U.S. Department of Energy  
Rocky Flats Environmental Technology Site

Prepared By:  
**CH2M HILL**  
an oem of **tyco**



DATE: 6/10/2008

PATH: P:\RW\GIS\331S



# Type 1 Facility Closeout Report

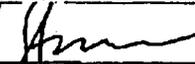
<b>Section A. Facility Data</b>	
Facility No.	331S
Facility Descriptor:	Storage Building for Garage
Project:	RISS, Area 3 D&D
Date of Demolition:	March 24, 2005
Additional Information:	Building 331S was used to store tires, new drummed products, non-regulated used adsorbent and spare parts. There were no utilities for 331S. All of the structure and concrete slab was removed to 3' below final grade.
<i>(Must include information on environmental releases and conditions of site at turnover to Environmental Restoration)</i>	
<b>Section B. Final Characterization Data</b>	
Reconnaissance Level Characterization Report	
<i>(concurrence received)</i>	Waste Release Evaluation 050301-T130F-002
In-process Characterization	NA
Pre-Demolition Survey Report <i>(approval received)</i>	NA
Post-Demolition Survey Report <i>(as necessary)</i>	NA
<b>Section C. Waste Data (complete categories as appropriate)</b>	
<u>Sanitary Disposal</u>	
Disposal Site:	Front Range Landfill, Erie, Colorado
Waste Volume (m <sup>3</sup> ):	1080 cubic yards
Waste Weight (tons):	502 tons
Additional Information:	Miscellaneous building debris and concrete slab
<u>Hazardous Disposal</u>	
Disposal Site:	
Waste Volume (m <sup>3</sup> ):	
Additional Information:	
<u>TSCA Waste Disposal</u>	
Disposal Site:	
Waste Volume (m <sup>3</sup> ):	
Additional Information:	
<u>Asbestos Waste Disposal</u>	
Disposal Site:	
Waste Volume (m <sup>3</sup> ):	
Additional Information:	
<u>Low-Level Waste Disposal</u>	
Disposal Site:	
Waste Volume (m <sup>3</sup> ):	
Additional Information:	
<u>Low-Level Mixed Waste Disposal</u>	
Disposal Site:	
Waste Volume (m <sup>3</sup> ):	
Additional Information:	
<u>Recycled Material</u>	
Recycle Facility:	
Waste Volume (m <sup>3</sup> ):	
Additional Information:	
<u>Property Disposition</u>	
Receiver Locations (major items only):	
Volume (m <sup>3</sup> ):	
Weight (tons):	
Additional Information:	

# Type 1 Facility Closeout Report

Section D. Approvals

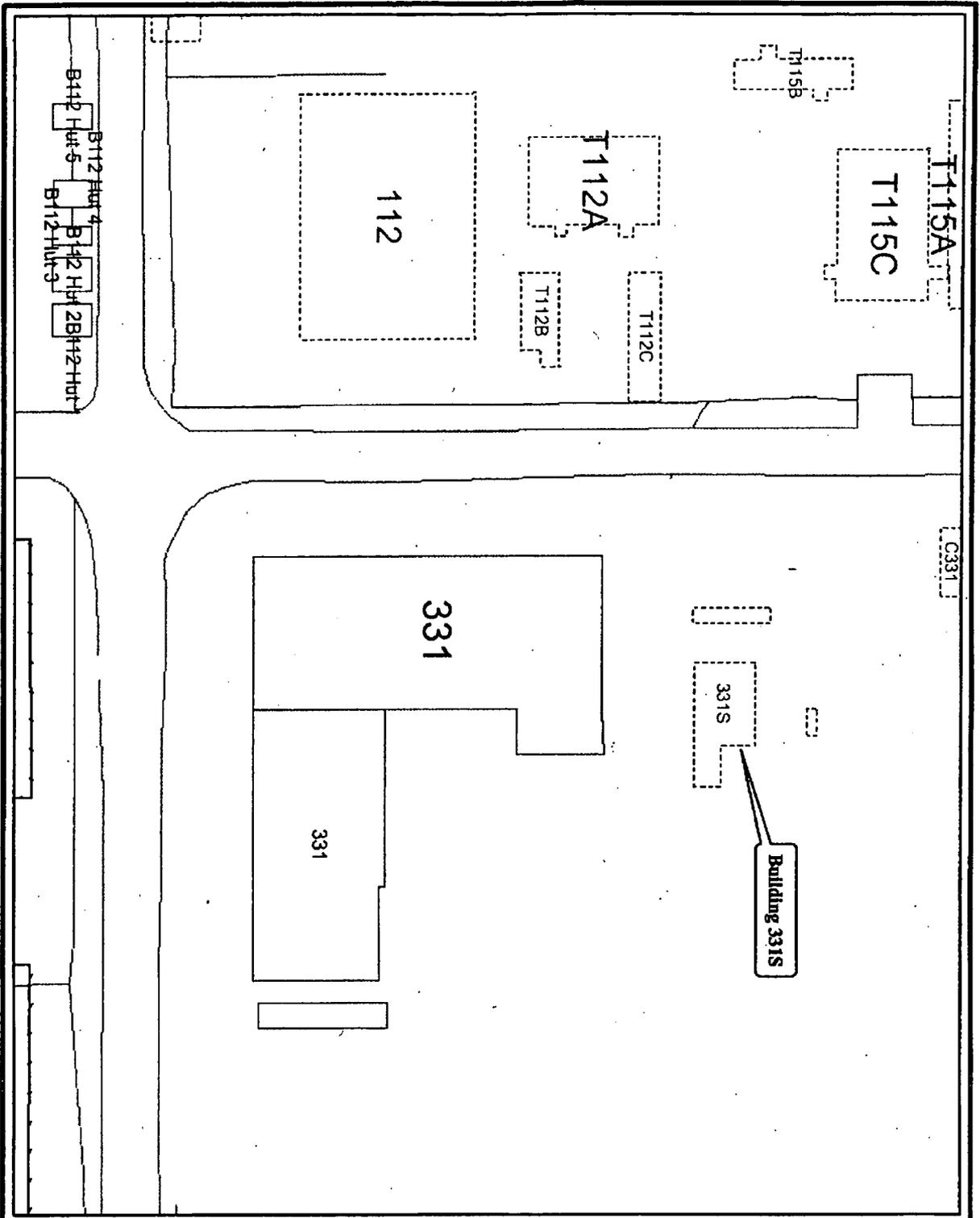
Kaiser-Hill Project Manager

Name/Signature

CJ Freeman / 

07/06/05

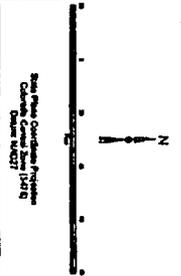
Date



**Building 331S Location Map**

**Standard Map Features**

- Demolished Facility
- Remaining Facility
- Demolished Roads
- Paved Roads
- Dirt Road
- Pond
- Railroad Removed
- Railroad Remaining
- Fence Remaining
- Stream



State Plane Coordinate System  
 NAD 83  
 Zone 10N  
 Datum: NAD 83  
 Units: Meter  
 Contour Interval: 1.000000

Prepared by: **CH2M HILL**  
 081001.000/10000700  
 DATE: 06/28/2005

Prepared for: **KAISER-SHILL**  
**CORPORATION**  
 U.S. Department of Energy  
 Rocky Flats Environmental Technology Site

12/12