

CORRES. CONTROL

OUTGOING LTR. NO.

DOE ORDER # 4700.1

04-RF-01133



DIST.	LTR	ENC
DIETER, T.J.		
FERRERA, D.W.	X	
LINDSAY, D.C.		
LONG, J.		
LYLE, J.L.		
MARTINEZ, L.A.		
PIZZUTO, V.M.		
SHELTON, D.C.		
SPEARS, M.S.		
TUOR, N.R.		

November 4, 2004

04-RF-01133

Gary Morgan, Functional Lead
Cadre Project Management Division
DOE, RFPO

TRANSMITTAL OF 980 PAD DISPOSITION/CLOSE-OUT REPORT - FEG-042-04

In 1997, demolition of Building 980 occurred under the Proposed Action Memorandum (PAM) for the Decommissioning of the Building 980 Cluster (97-RF-01243). The building pad and underground utilities were left in place, to be removed at a later date. Please note that a copy of the original Closeout Report for The Building 980 Cluster was apparently submitted to CDPHE without a cover letter, this letter also formally transmits that report.

In 2000, in accordance with the Rocky Flats Cleanup Agreement (RFCA) Standard Operating Protocol (RSOP) for Recycling Concrete, the 980 Pad was approved for use as a concrete Rubble storage area. The pad was used for storage of concrete rubble until September 2004. After all of the stored concrete rubble was removed, the 980 Pad was removed, the underside of the pad was surveyed and determined to meet free-release criteria (see attached WRE) based on Appendix C of the Closeout Report. The 980 Pad concrete, approximately 25 cubic yards or 42.5 tons, was used as backfill for the Building 881 project, and 15 cubic yards or 25.5 tons will be used as backfill at the Building 991 project.

All of the 980 Pad was removed except for a section at the northwest corner where a stantion for a gas line remains, and a section in the center of the pad under which a domestic water line and sewer line run (see attached map). These utilities will be removed to a depth of at least three feet below final grade.

Once all of the remaining pad and utilities have been removed the area will be graded and reseeded in accordance with the Final Site Land Reconfiguration Plan.

Please note that a copy of this report has been submitted to the CERCLA AR by the Kaiser-Hill RISS project.

Please contact Steve Nesta x6386 with questions or concerns.

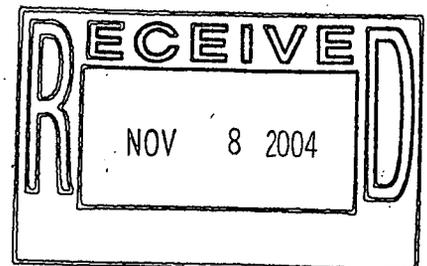
Frank E. Gibbs
Frank E. Gibbs
Deputy Project Manager
Remediation, Industrial D&D, and Site Services

Attachment:
As Stated

KLM:pvt

Orig. and 1 cc - Gary Morgan

cc:
J. Legare



ADMIN RECORD

BEAN, C.		
BUTLER, J. L.		
DECK, C.		
FRANCIS, M.		
FREIBOTH, C.		
GEIS, A.		
GIBBS, F.	X	
HUMSTON, T.		
HUNTER, D.		
KNAPP, S.		
LINSINBGLER, H.		
MARSHALL, J.R.		
MYERS, K.	X	X
NESTA, S.	X	X
NORTH, K.		
OMAN, K.		
PLAPPERT, R.		
PRIMROSE, A.		
RICHARDELLA, R.		
SNYDER, D.P.		
SWARTZ, J.M.	X	X
WARD, D.A.		
WIEMELT, K.		
SELAN, J.		
SILLS, S.		
CORRES. CONTROL	X	X
ADMIN RECRD/T130G	X	X
TRAFFIC		
PATS/130		
CLASSIFICATION:		
UCNI		
UNCLASSIFIED		
CONFIDENTIAL		
SECRET		
AUTHORIZED CLASSIFIER		
SIGNATURE:		
Date:		
IN REPLY TO RFP CC NO.:		
ACTION ITEM STATUS:		
<input type="checkbox"/> PARTIAL/OPEN		
<input type="checkbox"/> CLOSED		
LTR APPROVALS:		
ORIG. & TYPIST INITIALS:		
KLM:pvt		

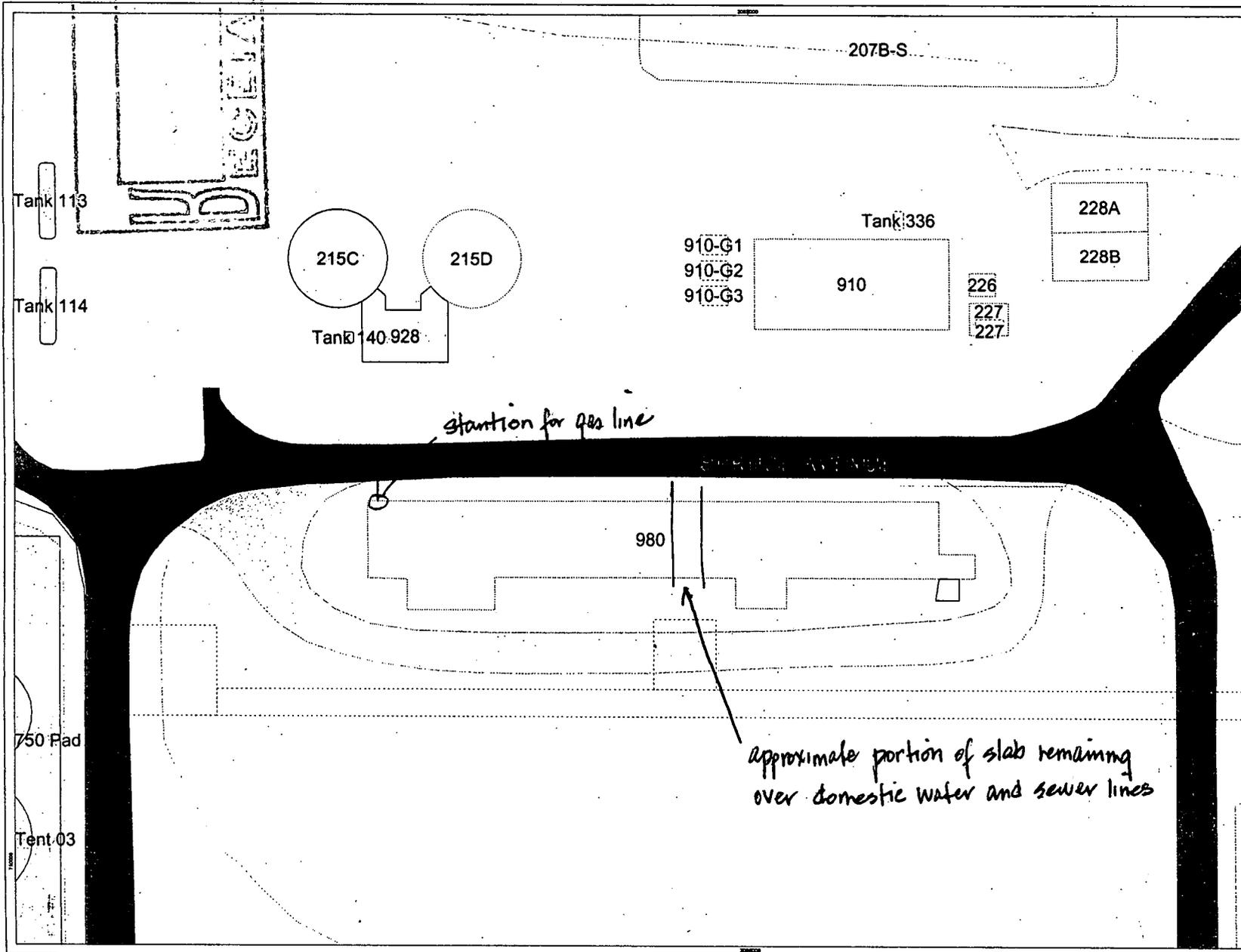
RF-46469(Rev. 9/94)

Kaiser-Hill Company, L.L.C.

Rocky Flats Environmental Technology Site, 10808 Highway 93, Unit B, T130F, Golden, CO 80403-8200 ♦ (303) 966-6386

B980-A-00023

2



Rocky Flats Environmental Technology Site

980 Pad Location Map

Map Features

- Buildings Remaining
- D&D Facility
- Paved Roads
- Dirt Roads
- Lakes
- Streams
- Railroad Removed
- Railroad Remaining
- Fence Removed
- Fence Remaining



1:250
1 inch equals 22 feet

Scale Plane Coordinate Projection
Colorado Central Zone (3478)
Datum: NAD27

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

GIS Dept. (D3) 985-7707
Prepared by:
CH2MHILL
KAISER-HILL

COPY

Property or Waste or Sample

RELEASE EVALUATION FORM

Page 1 of 3

Release Evaluation No.: 040101-RISS-01

EXTENDED: YES

EXPIRES: 12/31/04

PART I SENDER/CUSTODIAN ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred: This REN covers evaluation and release determinations for miscellaneous equipment, materials and/or sanitary waste items from RISS facilities, primarily 400/800 Area Buildings. Equipment materials & items may be new, used, packaged, potentially contaminated, or normally uncontaminated, etc. as noted on the specific Addendum. Typical items include furniture, tools, construction debris, uncontaminated piping, conduit, electrical cabinets, etc., as approved by RE. Items may be new or used, and also may be dispositioned on this REN as either property or waste, depending upon their economic reuse potential & value. The surveys & release criteria will be specified by RE on the Addendum, and tailored to the specific equipment items and its history provided by the Sender.

Current Location: RISS Buildings and areas as noted on Addendum

Destination: As Noted on Addendum

New Recipient/Custodian: As Noted on Addendum

History/Process Knowledge:

The history of the materials, equipment and items will vary. Some may have good history of use, and it may be known that items weren't used inside an RBA/CA/RMMA, etc. Other materials may not have a good history. In each case, the extent & type of surveys and sampling to properly evaluate the items for release will be specified by RE on the Addendum. New/unused items can be released based upon process knowledge & history by RE with no surveys required, provided this is discussed on the Addendum.

Has the specified material ever been in an RMMA/RBA/CA or contacted DOE controlled radioactive materials? Unknown

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

PART II RADIOLOGICAL ENGINEERING

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

The Addendum to this REN shall be completed and include all the required information on those specific item(s) being evaluated for release including Sender, Recipient, survey & sample requirements (as applicable), history of use of the equipment or items, RE discussion of the decision to release, etc. There will be three primary methods for release of items specified by RE.

- Items & materials with a known history of use which have NOT been exposed to DOE radioactive materials will have this documented on the Addendum. Such items can be released based upon process knowledge & history with no surveys required, if approved by RE.
- Items & materials which may have/were likely to have been exposed to DOE radioactive materials must have contamination surveys done as specified by RE on the Addendum. RE shall also discuss required locations of surveys, whether surveys are to be representative or detailed, and if any equipment disassembly is required for the release surveys to be taken.
- Items & materials which may be contaminated in bulk or volume shall have RE specify on the Addendum all necessary sampling which the Sender must obtain to properly evaluate item(s) for potential bulk and volume contamination. After obtaining sampling results, they shall be evaluated by RE per RSP 09.03 Unrestricted Release of Bulk or Volume Material.

Date: 12/10/03 Ext: x5551

APPROVAL FOR TRANSFER/SHIPMENT

This approval is for the general approach and methodology for this REN. A fully-qualified Property/Waste Release Radiological Engineer shall make the final approval signature on each Addendum for release of equipment, items and materials, ensuring that all required information and supporting documentation is attached to the Addendum. RE shall retain the original. A copy will be provided to the Sender/Custodian for shipment.

Date: 12/11/03 Ext: 7175/212-4598

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTSRelease Evaluation #: 040101-RISS-01

Page 2 of 3

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.

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 1 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.

COPY

Addendum

To Release Evaluation #: 040101-RISS-01, Page 3 of 3

Date: 9/22/04

Property/Equipment, Item, Material or Waste Description:

- 980 Pad demolition rubble, consisting primarily of concrete, rebar and ancillary dirt.

Origin/Specific History of Above: (State specifically whether items have been or were likely to have been used in an RMMA/RBA/CA/ARA or contacted DOE controlled radioactive materials)

- Bldg. 980 was used for a storage facility, maintenance & fabrication support building for 700-Area buildings for many years, and had a variety of uses. It was never used for radioactive material processing, although some limited decon work was carried out inside it. The facility was dismantled in 1997, and the remaining slab extensively surveyed and determined to be uncontaminated. [Please see attached cover page for RE/RMRS-97-095.UN, CLOSE -OUT REPORT FOR THE BUILDING 980 CLUSTER, dated October 1997, which contains slab survey data].
- The undersides of the 980 slab were inaccessible for survey, and will need surveys in conjunction with demo to verify it hasn't come into contact with DOE radioactive material.

Recipient & Destination: (Name, Address, Phone, etc.)

- If determined to be uncontaminated on underside surfaces, rubble from the former Bldg. 980 slab will be used as clean fill for the 881 Project. Rebar will be disposed of as sanitary waste at BFI Hwy 93 Landfill or other sanitary waste vendor.

By signing below, I certify information provided above to be true and accurate.

Date: 9/22/04 Phone/Page: (303) 966-7175

RE Comments/Discussion: (Discuss Surveys & Sampling Required, the Basis for Unrestricted Release, any Specific Portions of Items, Wastes or Equipment That Must be Surveyed for proper release evaluation, as appropriate, etc.)

- Perform swipe and direct spot check readings for removable & fixed alpha & beta contamination on accessible undersides of the 980 slab, taking about 100 swipes and 200 direct readings.
- If survey results are below Site RCM Table 2-2 release limits, then the slab can be released for unrestricted use. All rebar is being released based upon process knowledge & history with no surveys required.

RELEASE FROM RADIOLOGICAL CONTROL

Items above are being granted an unrestricted release to the Recipient(s)/Destination(s) as noted. A fully-qualified Property/Waste Release Radiological Engineer must sign below to approve this release.

Approval For Release/Shipment

Date: 9/23/04 Extension/Pager: x 5909

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

INSTRUMENT DATA

Mfg. <u>Eberline</u>	Mfg. <u>NE</u>	Mfg. <u>NE</u>	Survey Type: <u>Release</u>
Model <u>SAC 4</u>	Model <u>Electra</u>	Model <u>Electra</u>	Building: <u>980 Pad</u>
Serial # <u>963</u>	Serial # <u>1415</u>	Serial # <u>3261</u>	Location: <u>980 Pad</u>
Cal Due <u>1/26/05</u>	Cal Due <u>10/27/04</u>	Cal Due <u>3/16/05</u>	Purpose: <u>Release</u>
Bkg <u>0 cpmα</u>	Bkg <u>1 cpmα</u>	Bkg <u>1 cpmα</u>	RWP #: <u>NA</u>
Efficiency <u>25.0 %</u>	Efficiency <u>21.8 %</u>	Efficiency <u>22.6 %</u>	Date: <u>9/23/04</u> Time: <u>16:00</u>
MDA <u>20 dpmα</u>	MDA <u>34 dpmα</u>	MDA <u>33 dpmα</u>	
Mfg. <u>Eberline</u>	Mfg. <u>NE</u>	Mfg. <u>NE</u>	
Model <u>BC 4</u>	Model <u>Electra</u>	Model <u>Electra</u>	
Serial # <u>832</u>	Serial # <u>1415</u>	Serial # <u>3261</u>	
Cal Due <u>5/17/05</u>	Cal Due <u>10/27/04</u>	Cal Due <u>3/16/05</u>	
Bkg <u>33.4 cpmβ</u>	Bkg <u>477 cpmβ</u>	Bkg <u>485 cpmβ</u>	
Efficiency <u>37.3 %</u>	Efficiency <u>22.0 %</u>	Efficiency <u>22.0 %</u>	
MDA <u>258 dpmβ</u>	MDA <u>474 dpmβ</u>	MDA <u>478 dpmβ</u>	

PRN(REN) # 040101-R155-01

Comments: Release survey on concrete rubble from 980. Surveyed according to PRE. (200) PATs and (100) Swipes all <MDA of instruments listed above. Survey points were taken randomly on newly exposed surfaces of the underside of the concrete pad.

SURVEY RESULTS

Swipe #	Location / Description Results in DPM/100sq.cm	Removable		Total	
		Alpha	Beta	Alpha	Beta
1-100	Random Swipes	<20	<258	NA	NA
1-200	Random PATs	NA	NA	<34	<478
3	NA	NA	NA	NA	NA
4	NA	NA	NA	NA	NA
5	NA	NA	NA	NA	NA
6	NA	NA	NA	NA	NA
7	NA	NA	NA	NA	NA
8	NA	NA	NA	NA	NA
9	NA	NA	NA	NA	NA
10	NA	NA	NA	NA	NA
11	NA	NA	NA	NA	NA
12	NA	NA	NA	NA	NA
13	NA	NA	NA	NA	NA
14	NA	NA	NA	NA	NA
15	NA	NA	NA	NA	NA
16	NA	NA	NA	NA	NA
17	NA	NA	NA	NA	NA
18	NA	NA	NA	NA	NA
19	NA	NA	NA	NA	NA
20	NA	NA	NA	NA	NA
21	NA	NA	NA	NA	NA
22	NA	NA	NA	NA	NA
23	NA	NA	NA	NA	NA
24	NA	NA	NA	NA	NA
25	NA	NA	NA	NA	NA

MAP

COPY

NA

Date Reviewed: 9/23/04 RS Supervision: _____

6

