ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
REGULATORY CONTACT RECORD

Date/Time: 3/28/2001 and 4/4/2001 at 1400

Site Contact(s): Vern Guthrie
Phone: 966-7419

Regulatory Contact: Dave Kruchek
Phone: 303 692-5355

Agency: CDPHE

Purpose of Contact: Removal of the Air Force Tower and 132 Transformer Foundations, and Steam Line Stanchions and Concrete Pads around Buildings 111 and 333

Discussion
Both the Air Force Tower and 132 Transformer Foundation areas were visited during this meeting A proposal was presented to Mr Kruchek regarding the removal of these foundations The proposal entails providing documentation addressing the historical research conducted, PCB information provided by Xcel Energy (for the transformer at 132 pad), radiological survey data, and pictures of these foundations Mr Kruchek agreed with this disposal approach Characterization information regarding these areas is attached and indicates that it meets the criteria for free release per the concrete RSOP
In addition, a voice mail was left for Mr Kruchek on 3/29/01, stating that the steam line stanchions for lines feeding B111 and B333, and the concrete sidewalks/pads surrounding these buildings would be included in this project On 4/4/01, Mr Kruchek visited these areas and agreed that the same disposal approach could be used for these concrete areas

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Contact Record Prepared By: Vern Guthrie

Distribution

R DiSalvo, RFFO	S Nesta, K-H RISS	K North, K-H ESS
J Legare, RFFO	F Gibbs, K-H RISS	CERCLA AR
S Tower, RFFO	C Freiboth, K-H RISS	
S Gunderson, CDPHE	G Scott, K-H	
D Kruchek, CDPHE	C Deck, K-H	
T Rehder, USEPA	D Shelton, K-H	

APR 2001
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ADMIN RECORD
B111-A-000004

DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICE

The facility in this report includes the concrete pad for the 132 Transformer This pad no longer support the RFETS mission and need to be removed to reduce Site infrastructure, risks and/or operating costs The location of the pad is shown in Attachment A The characterization was based on physical, chemical and radiological hazards identified in the facility specific Historical Site Assessment Reports, and on radiological screens conducted to demonstrate the material can be free released to a sanitary waste landfill The pad will be dispositioned pursuant to the Rocky Flats Cleanup Agreement (RFCA) Environmental media beneath and surrounding the pad was not within the scope of this report

A historical review was conducted to understand history and related hazards associated with the 132 Transformer Pad The review consisted of a walkdown and a document review, including review of the Historical Release Report (refer to the D&D Characterization Protocol, MAN-077-DDCP), and documentation provided by New Century Services concerning the PCB content of the transformer

Based upon a review of historical and process knowledge and visual inspections, additional sampling was determined not to be necessary for chemical contaminants of concern Following is the information to support this position

Asbestos

Based on the fact that this is a concrete pad with no coatings, there is no concern for the presence of Suspect Asbestos Containing Materials

Beryllium

There is no record of beryllium operations or storage being conducted in the area where the pad is located The historical evidence shows the pad is not located near buildings that conducted beryllium operations, therefore the pad is not impacted by beryllium operations conducted elsewhere on site

RCRA/CERCLA Constituents [including metals and volatile and semi-volatile organic compounds (VOCs & SVOCs)]

Based on historical knowledge, no operations occurred with RCRA or CERCLA constituents at or near the 132 Transformer pad The pad is not painted, therefore concerns of lead based paint are not an issue Visual inspections revealed no chemical staining of the pad Therefore, in accordance with 8 CCR 1007 3 Parts 261 and 268 and 40 CFR 302 4, the concrete pad material is not subject to RCRA or CERCLA regulations

Polychlorinated Biphenyls (PCBs)

Included with this report is information from New Century Services that documents the transformer has no PCB content In addition, the pad does not contain nor is it coated with material that contains PCBs Therefore, the concrete material is not subject to the requirements of 40 CFR 761

Radiological characterization was performed to define the nature and extent of radioactive materials that may be present on the pad The Property Release Evaluation (PRE) confirmed that the pad does not contain radiological contamination above the surface contamination guidelines provided in DOE Order 5400 5 and the RFETS Radiological Control Manual

Based upon this report and subject to concurrence by the Colorado Department of Public Health and Environment (CDPHE), the 132 Transformer pad is considered to be Type 1 facility, and will be removed In accordance with Section 2 2 of MAN-077-DDCP, "if PDS requirements are met and

the absence of contamination is confirmed, the facility can be free-released " It is anticipated that the concrete from this pad will be placed with the concrete from the demolition of Building 111, to be used as free-releasable concrete for backfill on site, in accordance with the Concrete RSOP

ATTACHMENT A

Facility Photographs/Maps and PREs

Best Available Copy

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PUBLIC SERVICE COMPANY OF COLORADO™
A NEW CENTURY ENERGIES COMPANY

1123 West 3rd Avenue
Denver Colorado 80223

April 21, 2000

Jerry Cable
Site Operations
Kaiser-Hill Company , L.L.C
P.O Box 464
Golden, CO 80402-0464

132 Substation Transformer PCB Content

Your e-mail dated April 12, 2000 requested Public Service Company of Colorado (PSCo) to provide written documentation concerning the PCB levels for the distribution transformer operating at the PSCo temporary substation (Site facility No 132) The information in the following tabulation responds to this request.

Distribution Transformer PSCo Number A-01401
Main Tank Oil - PCB Level < 3.0 PPM
Load Tap Changer Compartment - PCB Level < 2 0 PPM

If you have any questions concerning the above PCB data, please contact me at 303-571-3191.

Sincerely,

Richard J. Blatnik
Managing-Director
Transmission and Substation
Construction, Operations and Maintenance
New Century Services

Cc. Allan Lhotka
Cheryl Rodriguez
Hank Walsmith

Telecon w/ Dick 5/3/00:
No A-01401 is an internal designator by PSCo, not necessarily physically on the transformer. He assured us that this is the correct information applied to the correct transformer

"Pennsylvania"
S.N. C-00618-5+1

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Best Available Copy

RECEIVED: 07/23/86

PSCo CHEMISTRY REPORT

Results by Sample

LAB # 86-10-128

SAMPLE ID LEG SP C-00618-5-1 TC — SAMPLE # 13 FRACTIONS: A

~~LEGSET~~ SPARES — Date & Time Collected 09/12/86 — Category

PCBOIL <3 UNIT SUB TC

AROCLOR 1242 — Rocky Flats

A-14-01

SAMPLE ID LEG SP C-00618-5-1 MAIN — SAMPLE # 14 FRACTIONS: A

~~LEGSET~~ SPARES — Date & Time Collected 09/12/86 — Category

PCBOIL <3 UNIT SUB MAIN

AROCLOR 1242 — Rocky Flats

A14-01

Best Available Copy

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Public Service REPORT Work Order # 90-03-059

Results by Sample

:eived: 03/01/90*

SAMPLE ID 7TH AVE; 115 KV SN1463436 SAMPLE # 05 FRACTIONS: A
Date & Time Collected not specified Category

PCBOIL 8
mg PCB/kg Oil

SAMPLE ID 7TH AVE; 115 KV SN1463437 SAMPLE # 06 FRACTIONS: A
Date & Time Collected not specified Category

PCBOIL 7
mg PCB/kg Oil

SAMPLE ID 7TH AVE; 115 KV SN1463438 SAMPLE # 07 FRACTIONS: A
Date & Time Collected not specified Category

PCBOIL 8
mg PCB/kg Oil

SAMPLE ID ROCK; C00618-5-1; T.C. SAMPLE # 08 FRACTIONS: A
Date & Time Collected not specified Category

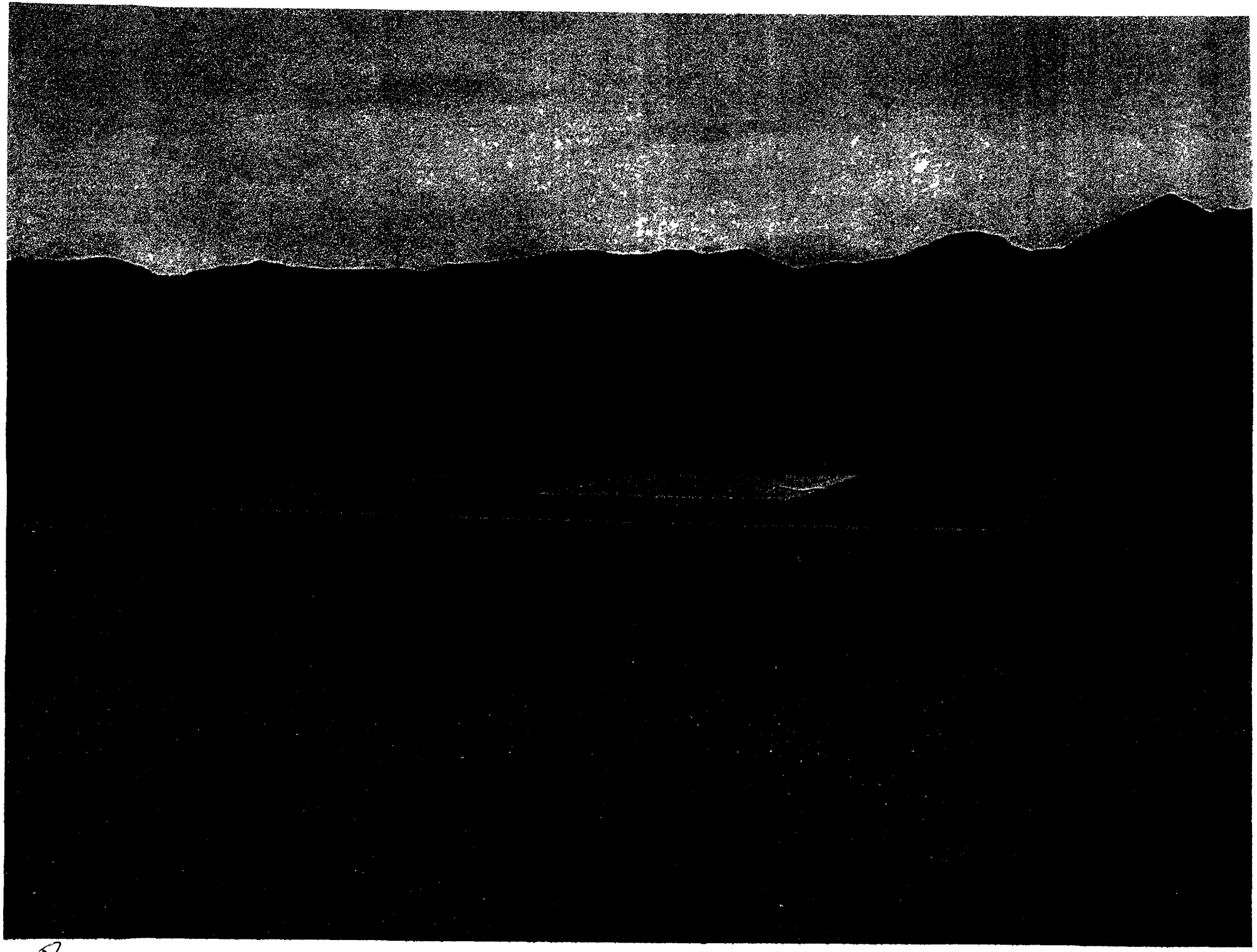
LTC

PCBOIL 62
mg PCB/kg Oil

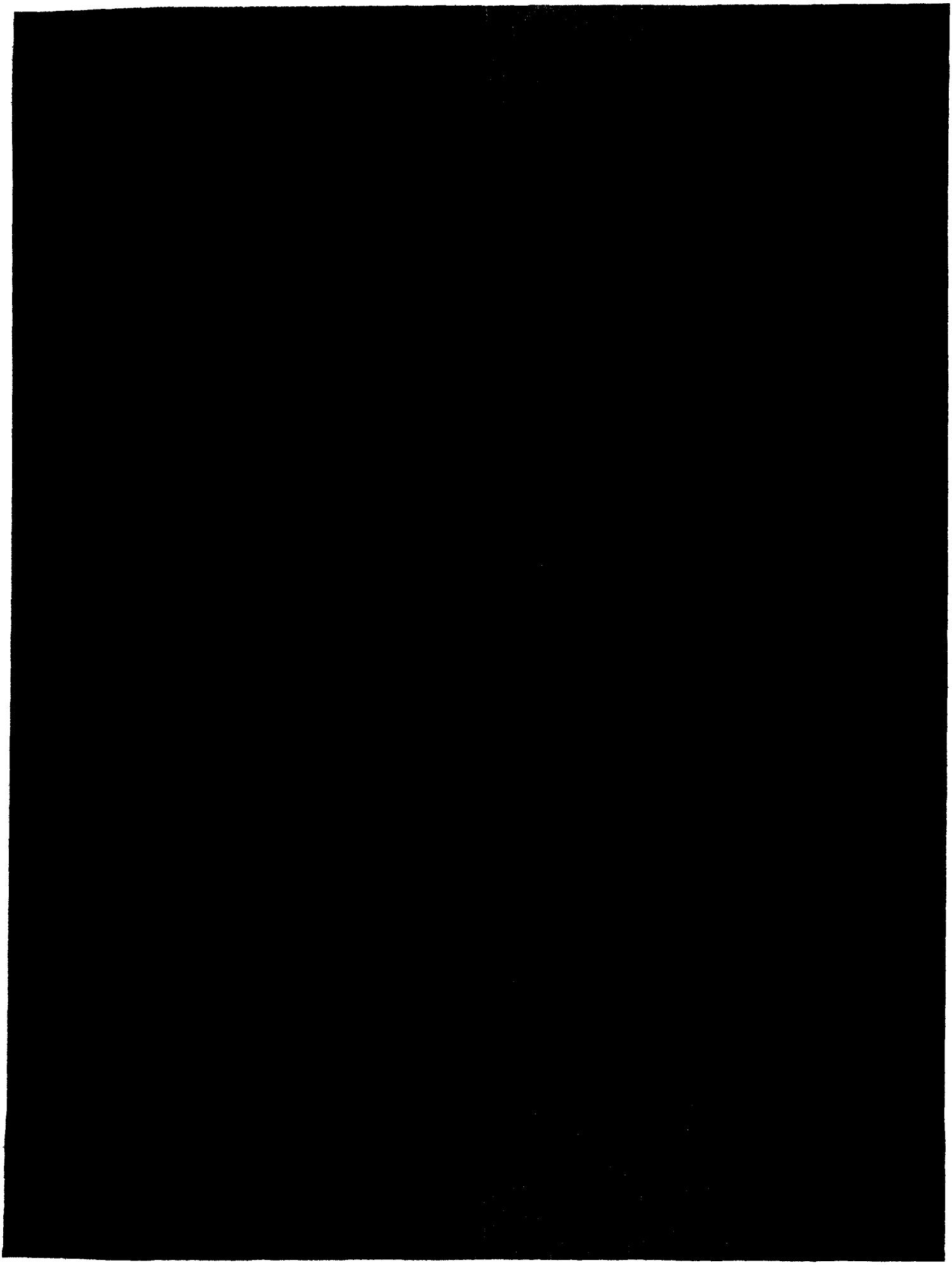
Rocky Flats - 115-13 kV - T.C. - A 14-01

Rocky Flats

7



8



☐ Property ■ Waste ☐ Sample

COPY

RELEASE EVALUATION FORM

Release Evaluation No.: 010404-00116-001 **EXTENDED:** No **EXPIRES:** N/A **Charge No.:** N/A

PART I **SENDER/CUSTODIAN**
ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred: 132 substation slab, fiberglass grating, and small metal stair case

Current Location: South of T130 trailer complex

Destination: Materials will be either reused on site or be disposed to a proper landfill

New Recipient/Custodian: Cameron Freiboth, B116, X2823

History/Process Knowledge: The indicated slab, grating, and stair case were used as the foundation for an electrical substation providing service to RFETS The area has never been posted as a RBA/CA, and site documents, including affected soil disturbance permit, indicate no radiological concerns The associated equipment has been removed and unrestricted released under Waste Release Evaluation # 000307-00334-01

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 Cameron Freiboth / [signature] Emp No [redacted] Date 04/23/01 Ext. 2823

PART II **RADIOLOGICAL ENGINEERING**

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

Process history and previous radiological surveys of associated equipment indicate no radiological concerns for the items listed above The area in which these materials were utilized is not a "Radiological" Area as defined in 10CFR835 ***As a result, no radiological surveys are required prior to unrestricted release.*** *These materials may be reused or disposed of in accordance with site procedures, without further radiological characterization. The underside of the concrete will not require radiological surveys due to the soil disturbance permit indicating no radiological concerns (copy of permit is included as an attachment to this release evaluation) In addition, a copy of the release evaluation associated with the equipment linked to the pad is provided as a part of this release evaluation.*

1) Custodian, ensure that only the items described are included as a part of this release evaluation. ***Ensure that all soil is removed from the collected concrete upon demolition, prior to recycle, reuse, or waste disposal.***

2) 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

3) Radiological Engineer, process release evaluation to indicate an unrestricted free-release. Sign all appropriate documentation required for the disposition of the affected items

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PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 010404-00116-001 **COPY**

Evaluated Jay M. Britten / Jay M Britten Emp No [redacted] Date 4/23/01 Ext 3050
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT

Approved Chad Blake / CBlake Emp No [redacted] Date 04/23/01 Ext 5909
Radiological Engineer

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 #: 010404-00116-001

COPY

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

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SITE SURVEY DETERMINATION FOR ENVIRONMENTAL AND WORKER EXPOSURE FORM

RUSH

The purpose of this form is to provide potential hazard information, precautions and requirements associated with this soil disturbance. When review and approval is complete please return to the Excavation Specialist

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COPY

010404-00116-001

GENERAL INFORMATION

Date November 7 2000 Charge # EBB30000

Project Manager [redacted] EXT 4197 / 212-5508

Project Title Removal of 132 Sub Station Slab

Specific Location 132

REVIEW AND APPROVAL

ENVIRONMENTAL REMEDIATION PROJECTS/OPERATIONS

THERE ARE NO ENVIRONMENTAL CONCERNS IN THIS AREA of THE PLANT

Are there any special environmental remediation precautions or management actions (i e sampling plans, etc) required for this activity? If yes, attach a summary of requirements — ☐ Yes ☑ No

Name (Print/Sign [redacted] Date 11-8-00

ENVIRONMENTAL SYSTEMS & STEWARDSHIP

WPRE Required for Waste

Are there any special environmental compliance precautions or management actions (i e sampling plans, etc) required for this activity? If yes, attach a summary of requirements — ☑ Yes ☐ No

Name (Print/Sign [redacted] Date 11-08-00

RADIOLOGICAL ENGINEERING

WRE required for release of waste.

Are there any special radiological precautions or management actions (i e sampling plans, etc) required for this activity? If yes, attach a summary of requirements — ☐ Yes ☑ No

Name (Print/Sign [redacted] Date 11/08/00

SAFETY AND HEALTH

Are there any special safety and health precautions or management actions (i e sampling plans, etc) required for this activity? If yes, attach a summary of requirements — ☒ Yes ☐ No

Name (Print/Sign [redacted] Date 11/8/00

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[redacted] Property ☐ Waste ☐ Sample

RELEASE EVALUATION FORM

Page 1 of 2

Page 5 of 12

010404-00116-L01

Release Evaluation No: 000307-00334-01 Extended: No Expires: N/A Charge No.: CA0110CC

PART I **SENDER/CUSTODIAN ACKNOWLEDGEMENT**

Description of Property/Waste/Sample To Be Released/Transferred 115/13 8 kV transformer and meter station, meter station includes meter/transmitter units and current/voltage transformers

Current Location: Substation 132, south of T130C

COPY ORIGINAL

Destination: Public Service Company of Colorado

New Recipient/Custodian: Dick Blatnick, 303-571-3191

History/Process Knowledge: This equipment is owned by Public Service Company It has been in its current location since first installed in 1990

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

1) By signing below, I certify the 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. J.J. Lacerna Emp No [redacted] Date 4/10/00 Ext 7229

PART II **RADIOLOGICAL ENGINEERING**

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

Project requests a representative survey of accessible surfaces for fixed and removable alpha and beta.

Evaluated JKamerma Radiological Engineer Emp No [redacted] Date 4/10/00 Ext 8186

APPROVAL FOR TRANSFER/SHIPMENT

The property/waste specified above is being provided with an unrestricted release from radiological controls and may be transferred to the destination indicated in Part I of this Release Evaluation.

Approved JKamerma Radiological Engineer Emp No [redacted] Date 5/2/00 Ext 8186

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

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Release Evaluation #: 000307-00334-01 Page 2 of 2

COPY ORIGINAL

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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

RS FORMS 07.02-01

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

INSRUMENT DATA

Mfg. EBERLINE	Mfg EBERLINE	Mfg. NE Electra
Model Sac-4	Model Sac-4	Model DP-6
Serial# 830	Serial# 959	Serial# 1144
Cal Due 08/07/00	Cal Due 09/06/00	Cal Due 07/28/00
Bkg. 0.0 cpm	Bkg. 0.1 cpm	Bkg. α=1 β=542
Efficiency 0.33	Efficiency 0.33	Efficiency α=.22 β=.30
MDA 20 dpm	MDA 20 dpm	MDA α=34 β=373
Mfg. EBERLINE	Mfg. EBERLINE	Mfg. N/A
Model BC-4	Model BC-4	Model N/A
Serial# 914	Serial# 702	Serial# N/A
Cal Due 09/02/00	Cal Due 05/09/00	Cal Due N/A
Bkg. 37 cpm	Bkg. 40 cpm	Bkg. N/A
Efficiency 0.25	Efficiency 0.25	Efficiency N/A
MDA 200 dpm	MDA 200 dpm	MDA N/A

Survey Type: Contamination
Building N/A
Location: Substation 132, south of T130C
Purpose. Free Release of transformer

RWP #: N/A

Date. 05/02/00 Time. 1300

RCT: P. Vestal (Print name) P. Vestal (Signature) [redacted]

RCT: R Hall (Print name) R Hall (Signature) [redacted]

Release Evaluation No: 000307-00334-01

Comments: A representative survey of accessible surfaces for fixed and removable alpha and beta was performed on the transformer and associated equipment - ie: cables, insulators, meter box. Survey was only done on surfaces that could be reached from standing on the ground or insulated grate for the transformer.

SURVEY RESULTS

Map

Swipe #	Location/Description Results in DPM/100sq cm	Removable Alpha	Removable Beta	Total Alpha	Total Beta	Swipe #	Location/Description Results in DPM/100sq cm	Removable Alpha	Removable Beta	Total Alpha	Total Beta
1	See attached drawing	<20	<200	<34	<373	21	See attached drawing	<20	<200	<34	<373
2		<20	<200	<34	<373	22		<20	<200	<34	<373
3		<20	<200	<34	<373	23		<20	<200	<34	<373
4		<20	<200	<34	<373	24		<20	<200	<34	<373
5		<20	<200	<34	<373	25		<20	<200	<34	<373
6		<20	<200	<34	<373	26		<20	<200	<34	<373
7		<20	<200	<34	<373	27		<20	<200	<34	<373
8		<20	<200	<34	<373	28		<20	<200	<34	<373
9		<20	<200	<34	<373	29		<20	<200	<34	<373
10		<20	<200	<34	<373	30		<20	<200	<34	<373
11		<20	<200	<34	<373	31		<20	<200	<34	<373
12		<20	<200	<34	<373	32		<20	<200	<34	<373
13		<20	<200	<34	<373	33		<20	<200	<34	<373
14		<20	<200	<34	<373	34		<20	<200	<34	<373
15		<20	<200	<34	<373	35		<20	<200	<34	<373
16		<20	<200	<34	<373	36		<20	<200	<34	<373
17		<20	<200	<34	<373	37		<20	<200	<34	<373
18		<20	<200	<34	<373	38		<20	<200	<34	<373
19		<20	<200	<34	<373	39		<20	<200	<34	<373
20	See attached drawing	<20	<200	<34	<373	40	See attached drawing	<20	<200	<34	<373

Date Reviewed: 5-2-00 RS Supervision: B. Williamson (Print Name) [signature] (Signature) [redacted]

Rev. 05/98

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NA

5-2-00

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RS FORMS 07.02-01

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

RADIOLOGICAL SAFETY

Continuation Sheet

SURVEY RESULTS

Swipe #	Location/Description Results in DPM/100CM²	Removable Alpha	Removable Beta	Total Alpha	Total Beta	Swipe #	Location/Description Results in DPM/100CM²	Removable Alpha	Removable Beta	Total Alpha	Total Beta
41	See attached drawing	<20	<200	<34	<373	77	See attached drawing	<20	<200	<34	<373
42		<20	<200	<34	<373	78		<20	<200	<34	<373
43		<20	<200	<34	<373	79		<20	<200	<34	<373
44		<20	<200	<34	<373	80		<20	<200	<34	<373
45		<20	<200	<34	<373	81		<20	<200	<34	<373
46		<20	<200	<34	<373	82		<20	<200	<34	<373
47		<20	<200	<34	<373	83		<20	<200	<34	<373
48		<20	<200	<34	<373	84		<20	<200	<34	<373
49		<20	<200	<34	<373	85	See attached drawing	<20	<200	<34	<373
50		<20	<200	<34	<373	86	N/A	N/A	N/A	N/A	N/A
51		<20	<200	<34	<373	87	N/A	N/A	N/A	N/A	N/A
52		<20	<200	<34	<373	88	N/A	N/A	N/A	N/A	N/A
53		<20	<200	<34	<373	89	N/A	N/A	N/A	N/A	N/A
54		<20	<200	<34	<373	90	N/A	N/A	N/A	N/A	N/A
55		<20	<200	<34	<373	91	N/A	N/A	N/A	N/A	N/A
56		<20	<200	<34	<373	92	N/A	N/A	N/A	N/A	N/A
57		<20	<200	<34	<373	93	N/A	N/A	N/A	N/A	N/A
58		<20	<200	<34	<373	94	N/A	N/A	N/A	N/A	N/A
59		<20	<200	<34	<373	95	N/A	N/A	N/A	N/A	N/A
60		<20	<200	<34	<373	96	N/A	N/A	N/A	N/A	N/A
61		<20	<200	<34	<373	97	N/A	N/A	N/A	N/A	N/A
62		<20	<200	<34	<373	98	N/A	N/A	N/A	N/A	N/A
63		<20	<200	<34	<373	99	N/A	N/A	N/A	N/A	N/A
64		<20	<200	<34	<373	100	N/A	N/A	N/A	N/A	N/A
65		<20	<200	<34	<373	101	N/A	N/A	N/A	N/A	N/A
66		<20	<200	<34	<373	102	N/A	N/A	N/A	N/A	N/A
67		<20	<200	<34	<373	103	N/A	N/A	N/A	N/A	N/A
68		<20	<200	<34	<373	104	N/A	N/A	N/A	N/A	N/A
69		<20	<200	<34	<373	105	N/A	N/A	N/A	N/A	N/A
70		<20	<200	<34	<373	106	N/A	N/A	N/A	N/A	N/A
71		<20	<200	<34	<373	107	N/A	N/A	N/A	N/A	N/A
72		<20	<200	<34	<373	108	N/A	N/A	N/A	N/A	N/A
73		<20	<200	<34	<373	109	N/A	N/A	N/A	N/A	N/A
74		<20	<200	<34	<373	110	N/A	N/A	N/A	N/A	N/A
75		<20	<200	<34	<373	111	N/A	N/A	N/A	N/A	N/A
76	See attached drawing	<20	<200	<34	<373	112	N/A	N/A	N/A	N/A	N/A

Date Reviewed: 5-2-00 RS Supervision: B Williamson [redacted]

Rev. 05/98 Print Name Signature

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NA 5-2-00

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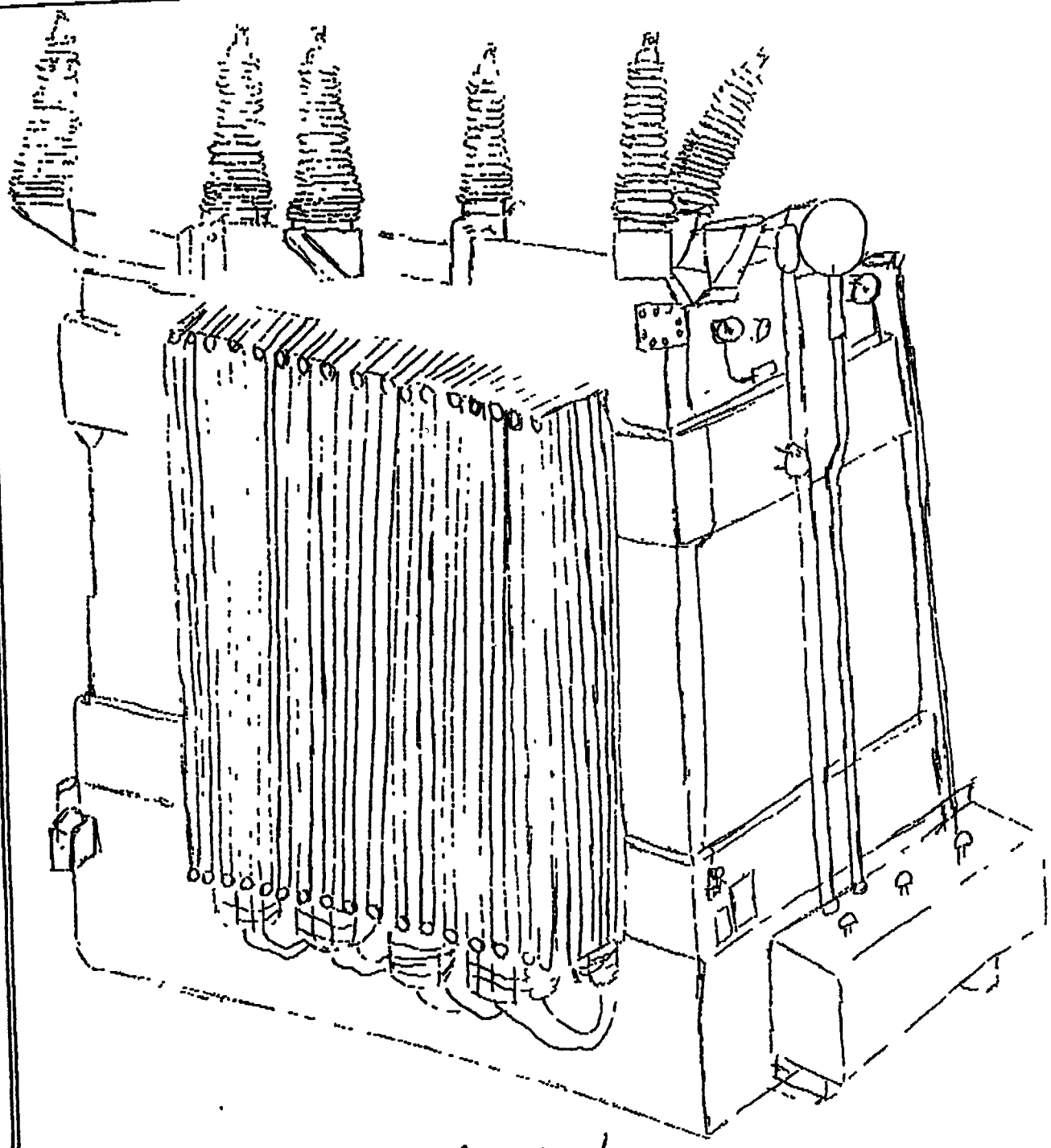
ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

RADIOLOGICAL SAFETY

Drawing Showing Survey Points



PLEASE SEE REVERSE SIDE for locations

01DA04-00116-001

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~~Bkg 1 542~~ P.V 5/2/00

Swipe #

1-15 - East side of transformer

16-30 - North side of tranformer

31-45 - West side of transformer

46-60 - South side of transformer

61-85 - Accessible misc. equipment, meter box, cable, insulators etc

Ranoca survey point were taken to get a representative sample of transformer and misc equipment.

The items in this report include the concrete pads surrounding Buildings 111 and 333, and steam line stanchions around these same buildings These items no longer support the RFETS mission and need to be removed to reduce Site infrastructure, risks and/or operating costs The locations of these items are shown in Attachment A The characterization was based on physical, chemical and radiological hazards identified in area specific Historical Site Assessment Reports, and on radiological screens conducted to demonstrate the material can be free released to a sanitary waste landfill The pads will be dispositioned pursuant to the Rocky Flats Cleanup Agreement (RFCA) Environmental media beneath and surrounding the pads were not within the scope of this report

A historical review was conducted to understand history and related hazards associated with the various concrete pad areas The review consisted of a walkdown and a document review, including review of the Historical Release Report (refer to the D&D Characterization Protocol, MAN-077-DDCP)

Based upon a review of historical and process knowledge and visual inspections, additional sampling was determined not to be necessary for chemical contaminants of concern Following is the information to support this position

Asbestos

Based on the fact that these are concrete pads with no coatings, there is no concern for the presence of Suspect Asbestos Containing Materials

Beryllium

There is no record of beryllium operations or storage being conducted in the area where these pads are located The historical evidence shows the pads are not located near buildings that conducted beryllium operations, therefore the pads are not impacted by beryllium operations conducted elsewhere on site

RCRA/CERCLA Constituents [including metals and volatile and semi-volatile organic compounds (VOCs & SVOCs)]

Based on historical knowledge, no operations occurred with RCRA or CERCLA constituents on the pads The pads are not painted, therefore concerns of lead based paint are not an issue Visual inspections revealed no chemical staining of the pads Therefore, in accordance with 8 CCR 1007 3 Parts 261 and 268 and 40 CFR 302 4, the concrete pad material is not subject to RCRA or CERCLA regulations

Polychlorinated Biphenyls (PCBs)

Based on historical knowledge and visual observation, the concrete material does not contain nor is it coated with material that contains PCBs There is no history of PCB contamination from past spill/releases, nor was PCB containing liquids managed in this area Therefore, the concrete material is not subject to the requirements of 40 CFR 761

Radiological characterization was performed to define the nature and extent of radioactive materials that may be present on the pads The Property Release Evaluation (PRE) confirmed that the pads do not contain radiological contamination above the surface contamination guidelines provided in DOE Order 5400 5 and the RFETS Radiological Control Manual

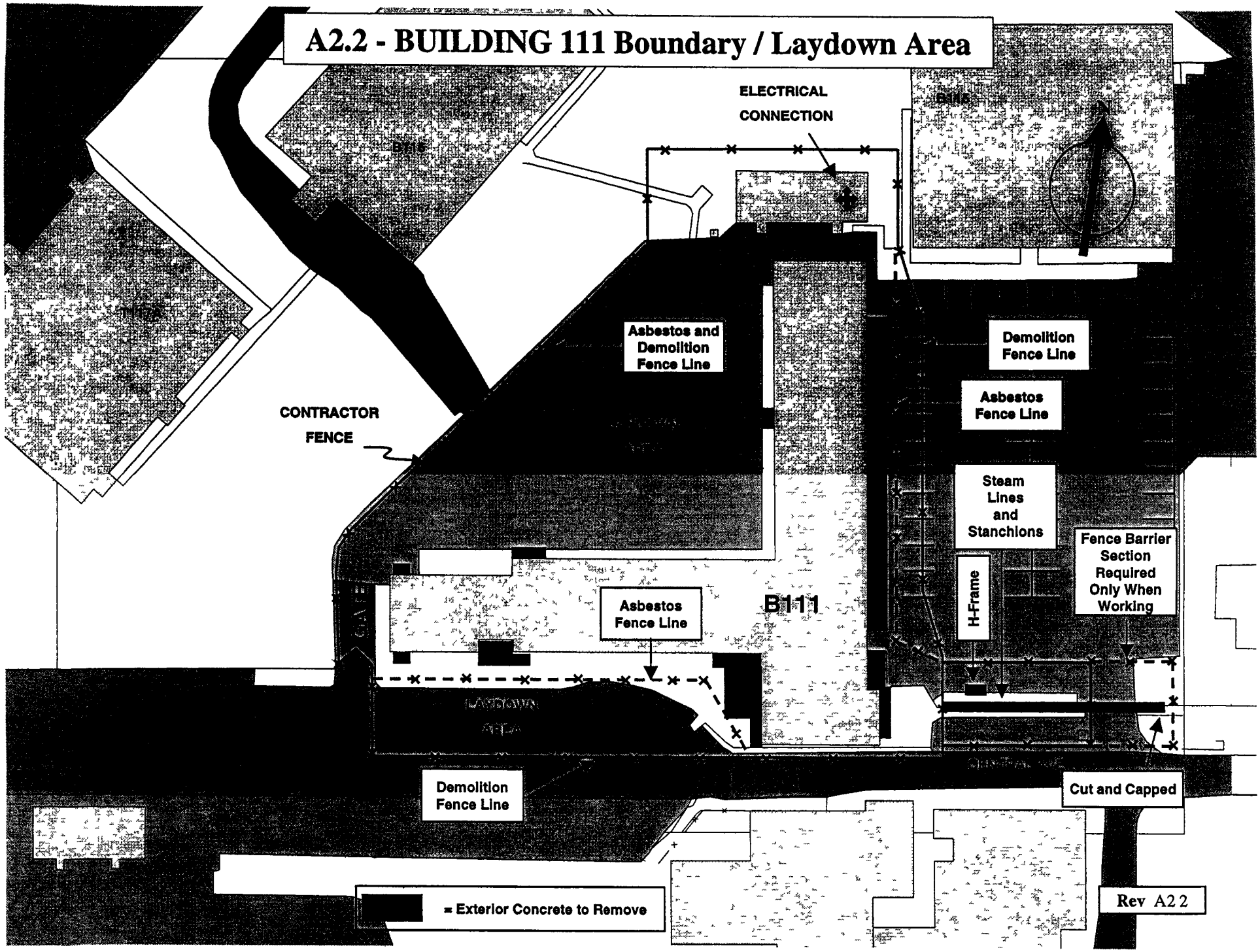
Based upon this report and subject to concurrence by the Colorado Department of Public Health and Environment (CDPHE), the concrete pads are considered to be Type 1 facilities, and will be removed In accordance with Section 2 2 of MAN-077-DDCP, "if PDS requirements are met and the

absence of contamination is confirmed, the facility can be free-released " It is anticipated that the concrete from these pads will be placed with the concrete from the demolition of Building 111, to be used as free-releasable concrete for backfill on site, in accordance with the Concrete RSOP

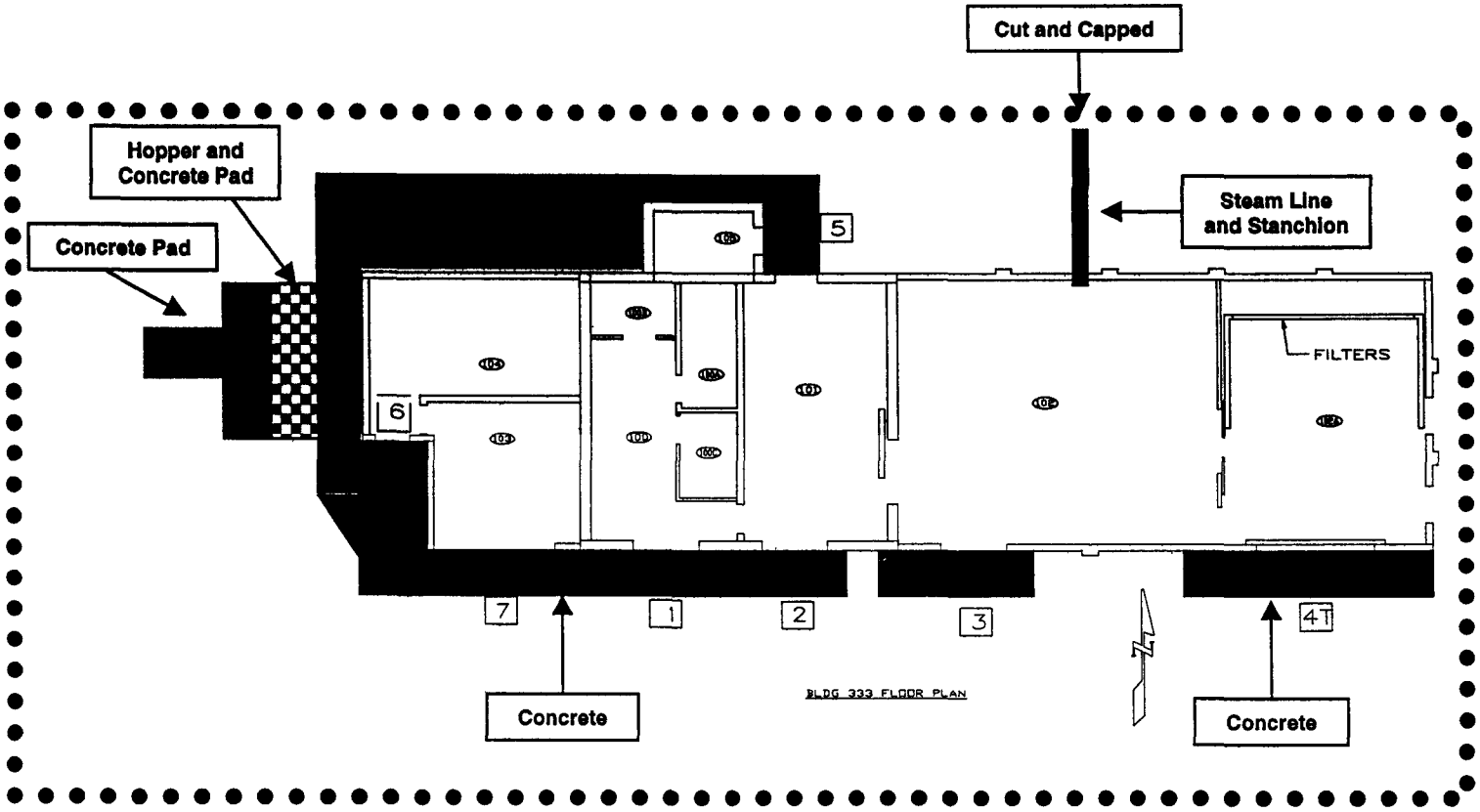
ATTACHMENT A

Facility Photographs/Maps and PREs

A2.2 - BUILDING 111 Boundary / Laydown Area



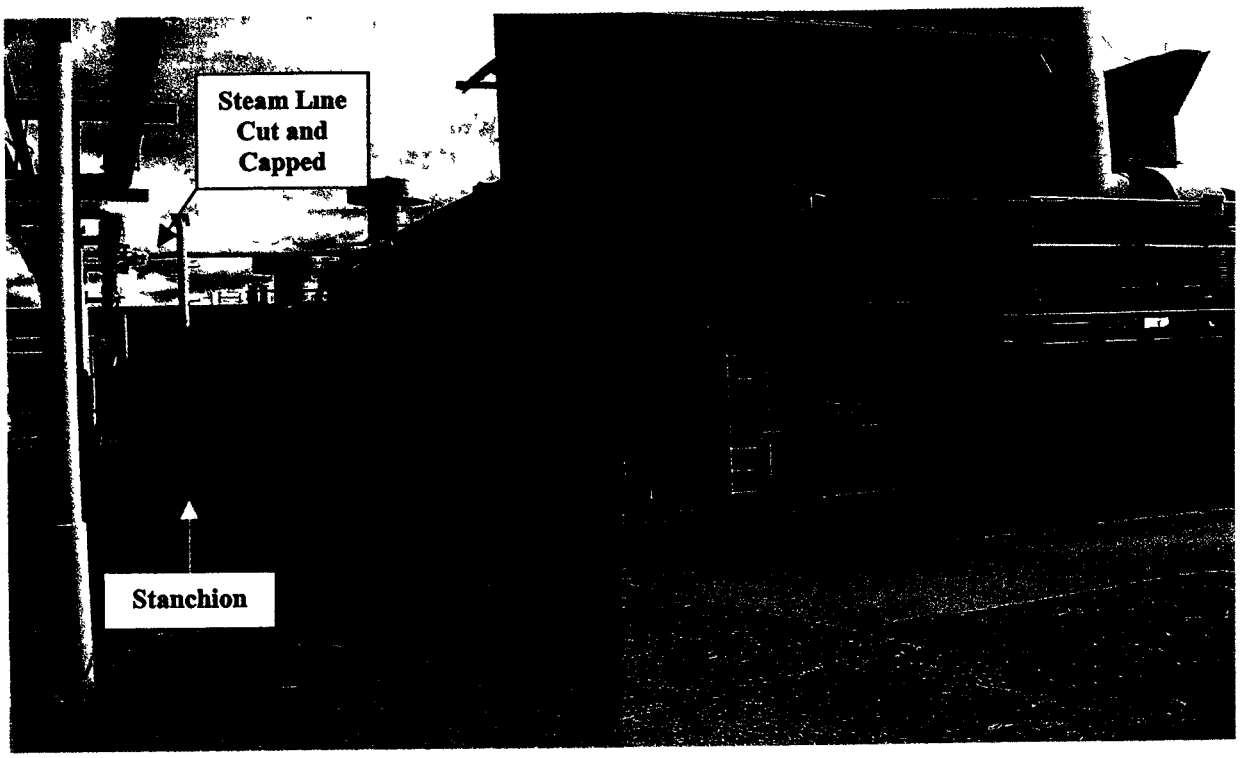
A3.2 - Building 333 Boundary / Laydown Area



= Exterior Concrete to Remove

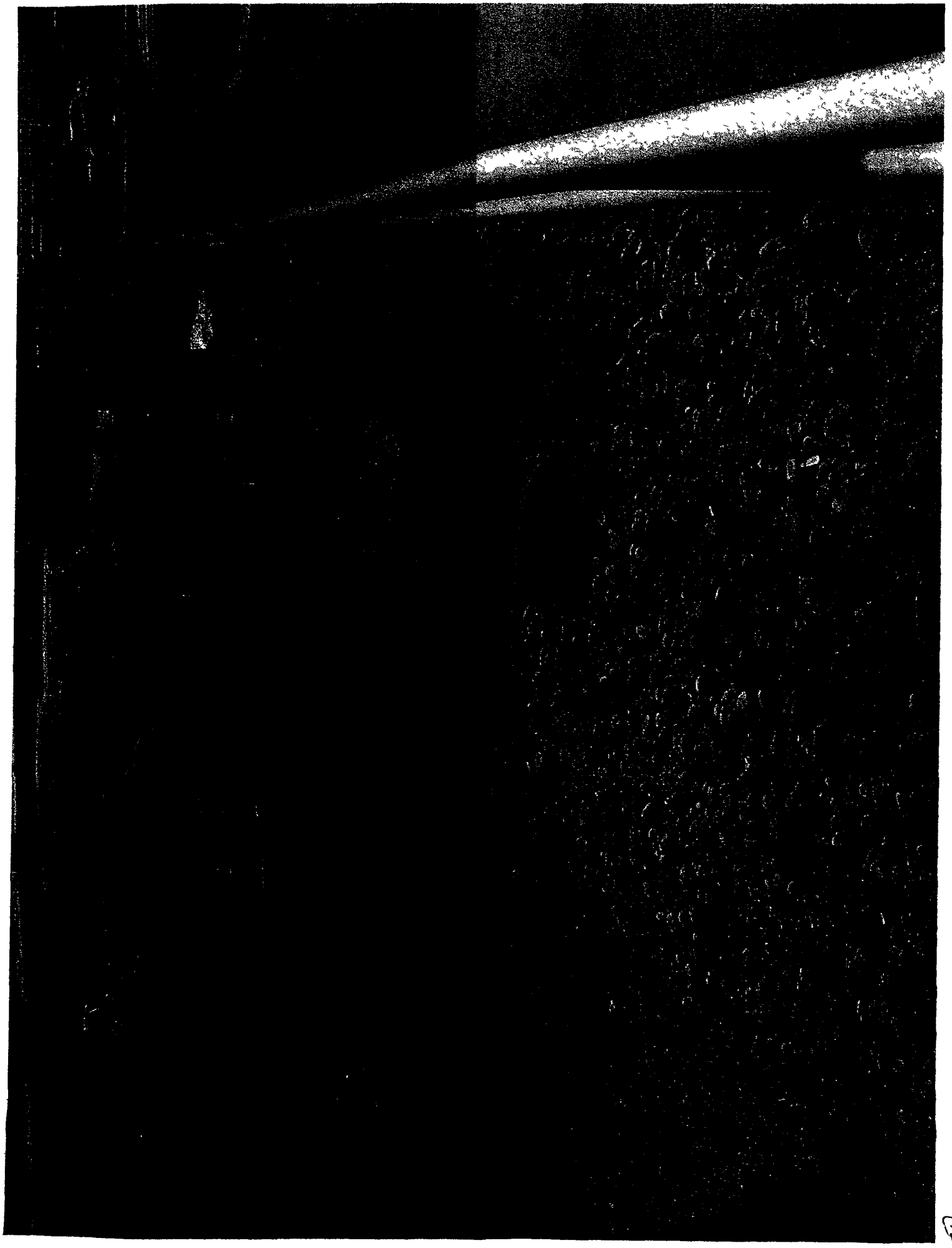
Rev. A3 2

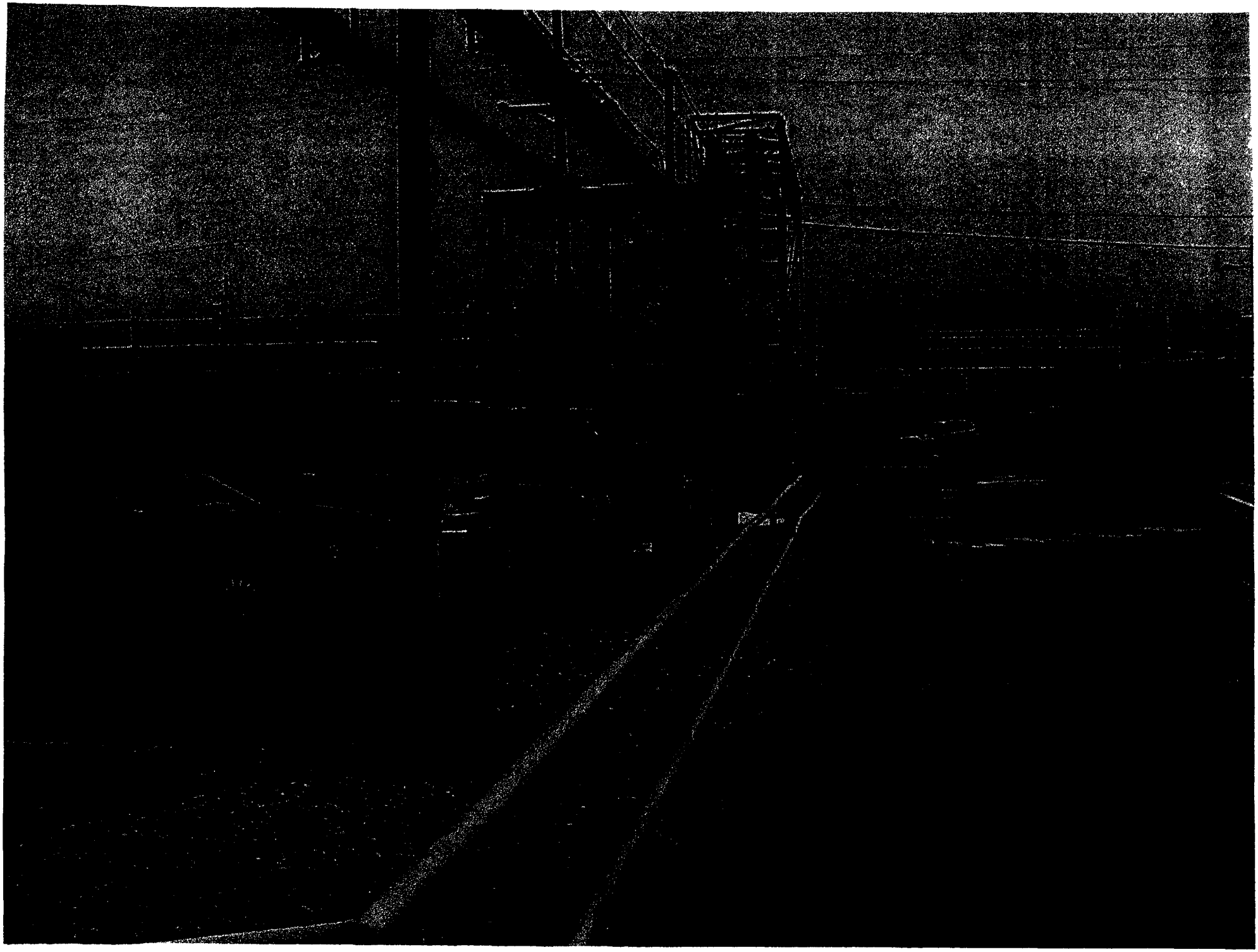
26

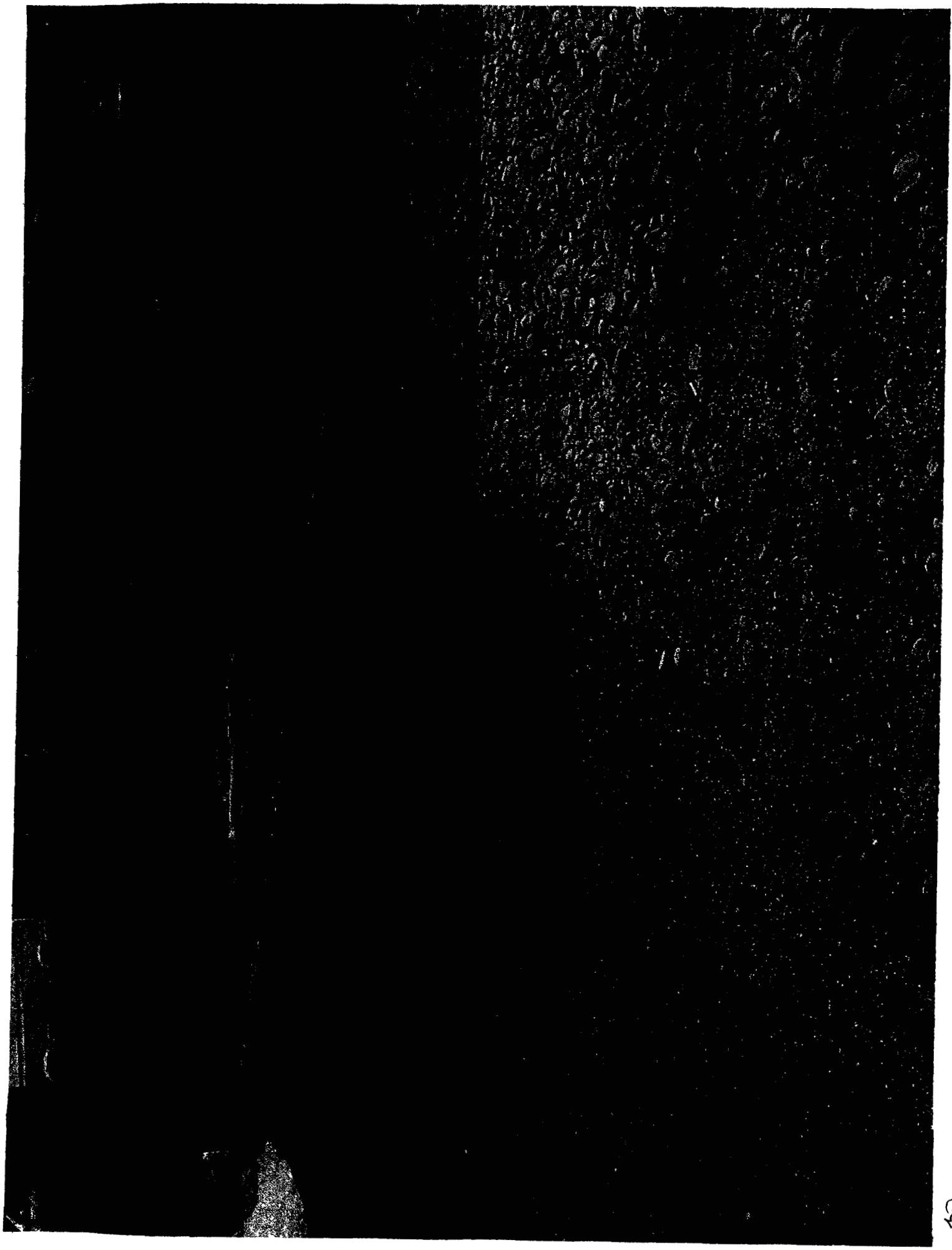


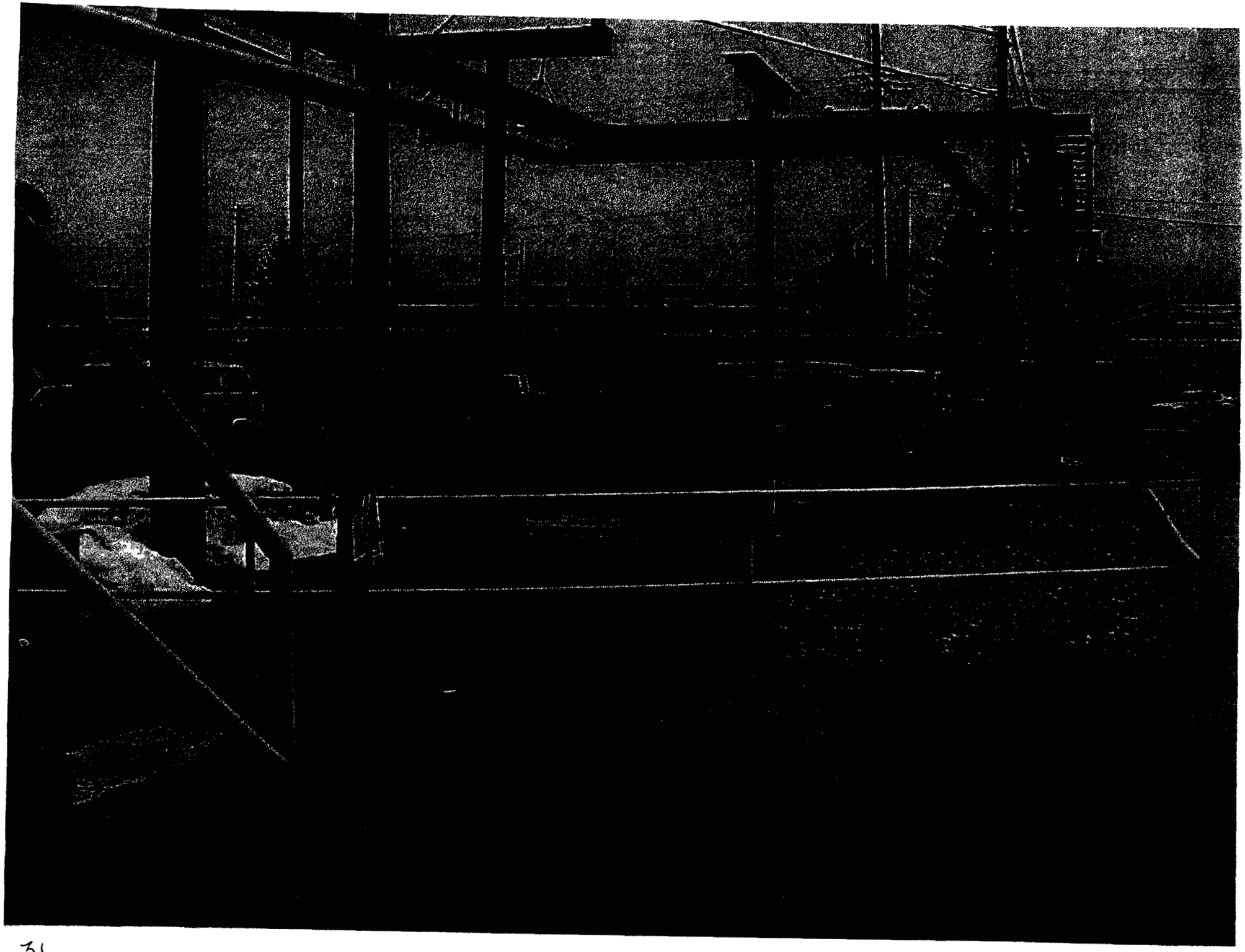
PHOTOGRAPH 333.3 – Northwest Corner of Building 333 looking East

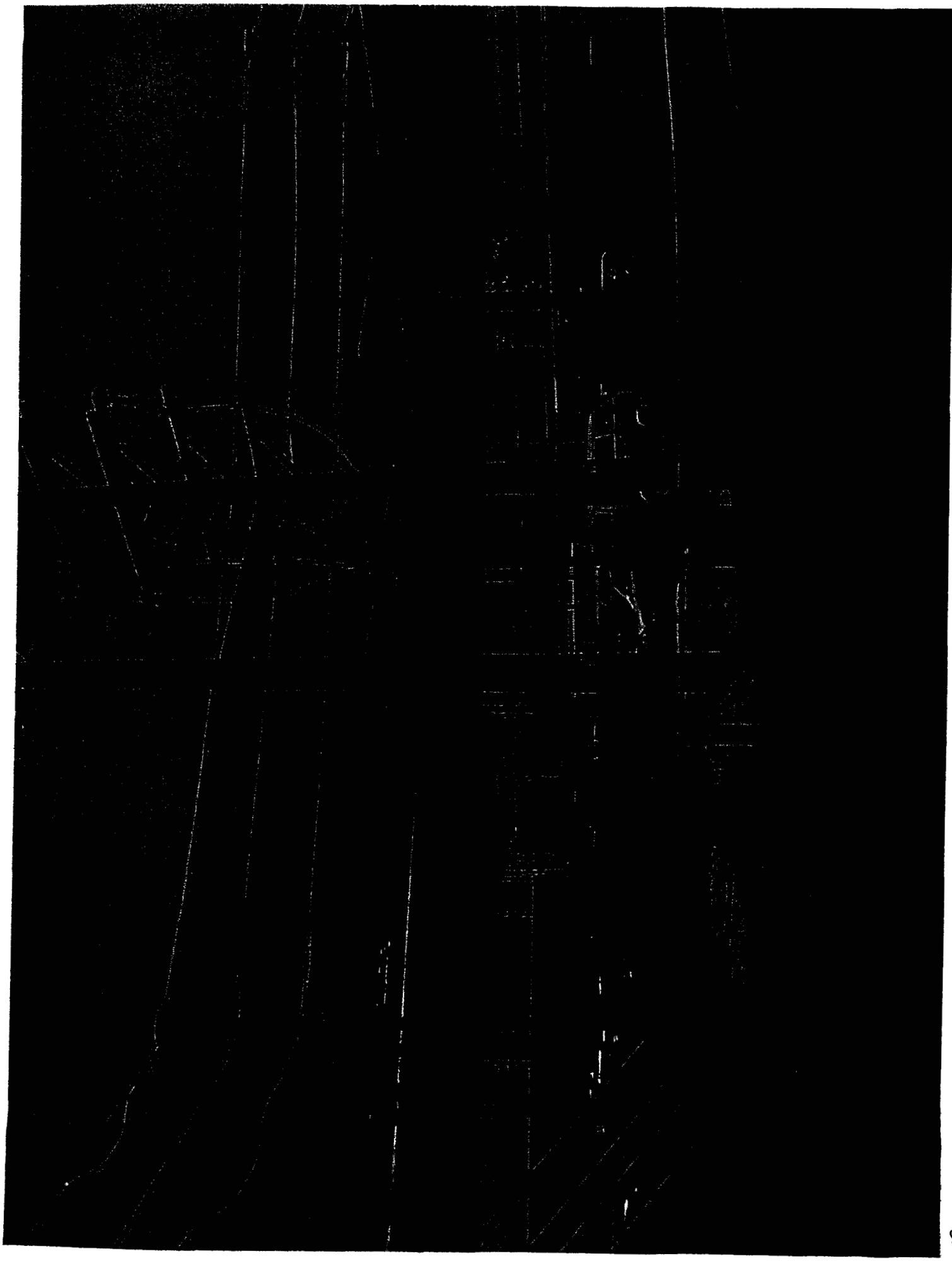
PHOTOGRAPH 333 4 – Pad to the West of Building 333 looking East











COPY

☐ Property ■ Waste ☐ Sample

RELEASE EVALUATION FORM

Release Evaluation No.: 010404-00116-003 **EXTENDED:** No **EXPIRES:** N/A **Charge No.:** N/A

PART I **SENDER/CUSTODIAN**

ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred: Miscellaneous, small concrete slabs utilized for steam line, light pole, and flower pot footings and sidewalk access at B111 Also, miscellaneous metal support poles, wood light poles, metal steam lines, metal stair case, metal grating, two air compressor, and miscellaneous cables and parts

Current Location: B111

Destination: Materials will be either reused on site or be disposed to a proper landfill

New Recipient/Custodian: Cameron Freiboth, B116, X2823

History/Process Knowledge: The indicated concrete slabs and footings were used as the foundation for B111 steam lines, light posts, and sidewalks for building access The associated metal light poles, steam lines, and cables also serviced B111 The area has never been posted as a RBA/CA, and site documents, including affected soil disturbance permit, indicate no radiological concerns In addition, all Pre-Demolition Surveys did not indicate exterior contamination of B111 All associated equipment will be removed and disposed according to site requirements

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 Cameron Freiboth / [signature] Emp No [redacted] Date 04/23/01 Ext 2823

PART II **RADIOLOGICAL ENGINEERING**

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

Process history indicates no radiological concerns for the concrete slabs and associated equipment listed above. The area in which these materials were utilized is not a "Radiological" Area as defined in 10CFR835 In addition, all exterior surveys conducted in association with pre-demolition surveys of B111 did not indicate any exterior contamination in excess of Table 2-2 limits of the Site Rad. Con. Manual ***As a result, no radiological surveys are required prior to unrestricted release.*** *These materials may be reused or disposed of in accordance with site procedures, without further radiological characterization. The underside of the concrete will not require radiological surveys due to the soil disturbance permit indicating no radiological concerns (copy of permit is included as an attachment to this release evaluation)*

1) Custodian, ensure that only the items described are included as a part of this release evaluation ***Ensure that all soil is removed from the collected concrete upon demolition, prior to recycle, reuse, or waste disposal.***

2) 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

3) Radiological Engineer, process release evaluation to indicate an unrestricted free-release Sign all appropriate documentation required for the disposition of the affected items.

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 010404-00116-003

COPY

Evaluated Jay M Britten / Jay M Britten Emp No [redacted] Date 4/23/01 Ext. 3050
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT

Approved. Chad Blake / CBlake Emp No [redacted] Date 04/23/01 Ext 5909
Radiological Engineer

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 #: 010404-00116-003

COPY

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

35

COPY

RISS
Remediation, Industrial D&D, & Site Services

Soil Disturbance Site Survey Assessment Report

Authorization Number:	EFD30612
Project Title:	Building 111 D & D
Prepared By:	Chad Blake, Radiological Engineer, RISS, X5909
Radiological Engineering	CB
Number:	005-01
Date:	January 24, 2001

This soil disturbance package addresses the removal of the foundation walls to approximately 3 feet below ground level, the removal of steam lines footings, and the capping of buried utility lines (see attached documentation).

The planned work location is not within an Individual Hazardous Substance Site (IHSS), see environmental assessment for Potential Area of Concern (PAC) information. Historical information and process knowledge indicate that the radiological soil concentration in this area is at or near background levels (well below Tier II action levels), therefore, a Radiological Work Permit **will not be required** to perform this work

There are additional Radiological Protection requirements for the unrestricted release of materials from RFETS The requirements are as follows·

- **All wastes** generated and **property/equipment/samples** associated with this project (including excavation equipment) must be evaluated in accordance with *PRO-141-RSP-09.01,* Unrestricted Release of Property, Material, Equipment and Waste, and *PRO-1004-RSP-09 08,* Radioactive Material Transfer and Unrestricted Release of Property, Waste and Samples; or, RFETS pre-demolition survey plan for D&D facilities

The area in which work will be conducted is controlled by RISS A copy of this correspondence has been sent to Curtis Bean, RISS Radiological Safety Manager Please contact Curtis at X2069 for further radiological support.

Written direction from K-H Environmental Compliance (Greg Sollner, x3541) is required to disposition soils.

Deviations from the currently defined scope of work will require further evaluation by Radiological Engineering

If any unusual material/debris is encountered during this excavation, work must be stopped and RISS Radiological Engineering and Operations notified for evaluation prior to continuing.

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☐ Property ■ Waste ☐ Sample

COPY

RELEASE EVALUATION FORM

Release Evaluation No.: 010404-00116-004 **EXTENDED:** No **EXPIRES:** N/A **Charge No :** N/A

PART I **SENDER/CUSTODIAN**

ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred: Miscellaneous, small concrete slabs utilized for steam line, light pole, and sidewalk access at B333. Also, miscellaneous metal support poles, and metal steam lines

Current Location: B333

Destination: Materials will be either reused on site or be disposed to a proper landfill

New Recipient/Custodian: Cameron Freiboth, B116, X2823

History/Process Knowledge: The indicated concrete slabs and footings were used as the foundation for B333 steam lines, light posts, and sidewalks for building access. The associated metal support poles and steam lines also serviced B333 The area has never been posted as a RBA/CA, and site documents, including affected soil disturbance permit, indicate no radiological concerns Also, Pre-Demolition surveys indicated no exterior contamination of B333 All associated equipment will be removed and disposed according to site requirements

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 Cameron Freiboth / [signature] Emp No [redacted] Date 04/23/01 Ext 2823

PART II **RADIOLOGICAL ENGINEERING**

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

Process history indicates no radiological concerns for the concrete slabs and associated equipment listed above The area in which these materials were utilized is not a "Radiological" Area as defined in 10CFR835 In addition, all exterior surveys conducted in association with pre-demolition surveys of B333 did not indicate any exterior contamination in excess of Table 2-2 limits of the Site Rad. Con. Manual ***As a result, no radiological surveys are required prior to unrestricted release.*** *These materials may be reused or disposed of in accordance with site procedures, without further radiological characterization. The underside of the concrete will not require radiological surveys due to the soil disturbance permit indicating no radiological concerns (copy of permit is included as an attachment to this release evaluation)*

1) Custodian, ensure that only the items described are included as a part of this release evaluation ***Ensure that all soil is removed from the collected concrete upon demolition, prior to recycle, reuse, or waste disposal.***

2) 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

3) Radiological Engineer, process release evaluation to indicate an unrestricted free-release Sign all appropriate documentation required for the disposition of the affected items

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 010404-00116-004

COPY

Evaluated. Jay M Britten / Jay M Britten Emp No [redacted] Date 4/23/01 Ext 3050
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT

Approved Chad Blake / CBlake Emp No [redacted] Date 04/23/01 Ext 5909
Radiological Engineer

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.

38

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 010404-00116-004

COPY

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

RISS
Remediation, Industrial D&D, & Site Services

Soil Disturbance Site Survey Assessment Report

Authorization Number:	EFD30612
Project Title:	Building 333 D & D
Prepared By:	Chad Blake, Radiological Engineer, RISS, X5909
Radiological Engineering	CB
Number:	006-01
Date:	January 24, 2001

This soil disturbance package addresses the removal of the foundation walls to approximately 3 feet below ground level and the capping of buried utility lines (see attached documentation)

The planned work location is not within an Individual Hazardous Substance Site (IHSS), Potential Area of Concern (PAC), or Under Building Contamination (UBC) site. Historical information and process knowledge indicate that the radiological soil concentration in this area is at or near background levels (well below Tier II action levels), therefore, a Radiological Work Permit **will not be required** to perform this work

There are additional Radiological Protection requirements for the unrestricted release of materials from RFETS The requirements are as follows

- **All wastes** generated and **property/equipment/samples** associated with this project (including excavation equipment) must be evaluated in accordance with *PRO-141-RSP-09.01,* Unrestricted Release of Property, Material, Equipment and Waste, and *PRO-1004-RSP-09 08,* Radioactive Material Transfer and Unrestricted Release of Property, Waste and Samples; or, RFETS pre-demolition survey plan for D&D facilities

The area in which work will be conducted is controlled by RISS A copy of this correspondence has been sent to Curtis Bean, RISS Radiological Safety Manager Please contact Curtis at X2069 for further radiological support.

Written direction from K-H Environmental Compliance (Greg Sollner, x3541) is required to disposition soils

Deviations from the currently defined scope of work will require further evaluation by Radiological Engineering

If any unusual material/debris is encountered during this excavation, work must be stopped and RISS Radiological Engineering and Operations notified for evaluation prior to continuing

40

Facilities in this report include the concrete pads for the Air Force towers These pads no longer support the RFETS mission and need to be removed to reduce Site infrastructure, risks and/or operating costs The location of these pads is shown in Attachment A The characterization was based on physical, chemical and radiological hazards identified in the facility specific Historical Site Assessment Reports, and on radiological screens conducted to demonstrate the material can be free released to a sanitary waste landfill The pads will be dispositioned pursuant to the Rocky Flats Cleanup Agreement (RFCA) Environmental media beneath and surrounding the pads were not within the scope of this report

A historical review was conducted to understand history and related hazards associated with the Air Force Tower The review consisted of a walkdown and a document review, including review of the Historical Release Report (refer to the D&D Characterization Protocol, MAN-077-DDCP)

Based upon a review of historical and process knowledge and visual inspections, additional sampling was determined not to be necessary for chemical contaminants of concern Following is the information to support this position

Asbestos

Based on the fact that these are concrete pads with no coatings, there is no concern for the presence of Suspect Asbestos Containing Materials

Beryllium

There is no record of beryllium operations or storage being conducted in the Buffer Zone where these pads are located The historical evidence shows the pads are not located near buildings that conducted beryllium operations, therefore the pads are not impacted by beryllium operations conducted elsewhere on site

RCRA/CERCLA Constituents [including metals and volatile and semi-volatile organic compounds (VOCs & SVOCs)]

Based on historical knowledge, no operations occurred with RCRA or CERCLA constituents at or near the Air Force Tower pads The pads are not painted, therefore concerns of lead based paint are not an issue Visual inspections revealed no chemical staining of the pads Therefore, in accordance with 8 CCR 1007 3 Parts 261 and 268 and 40 CFR 302 4, the concrete pad material is not subject to RCRA or CERCLA regulations

Polychlorinated Biphenyls (PCBs)

Based on historical knowledge and visual observation, the concrete material does not contain nor is it coated with material that contains PCBs There is no history of PCB contamination from past spill/releases, nor was PCB containing liquids managed in this area Therefore, the concrete material is not subject to the requirements of 40 CFR 761

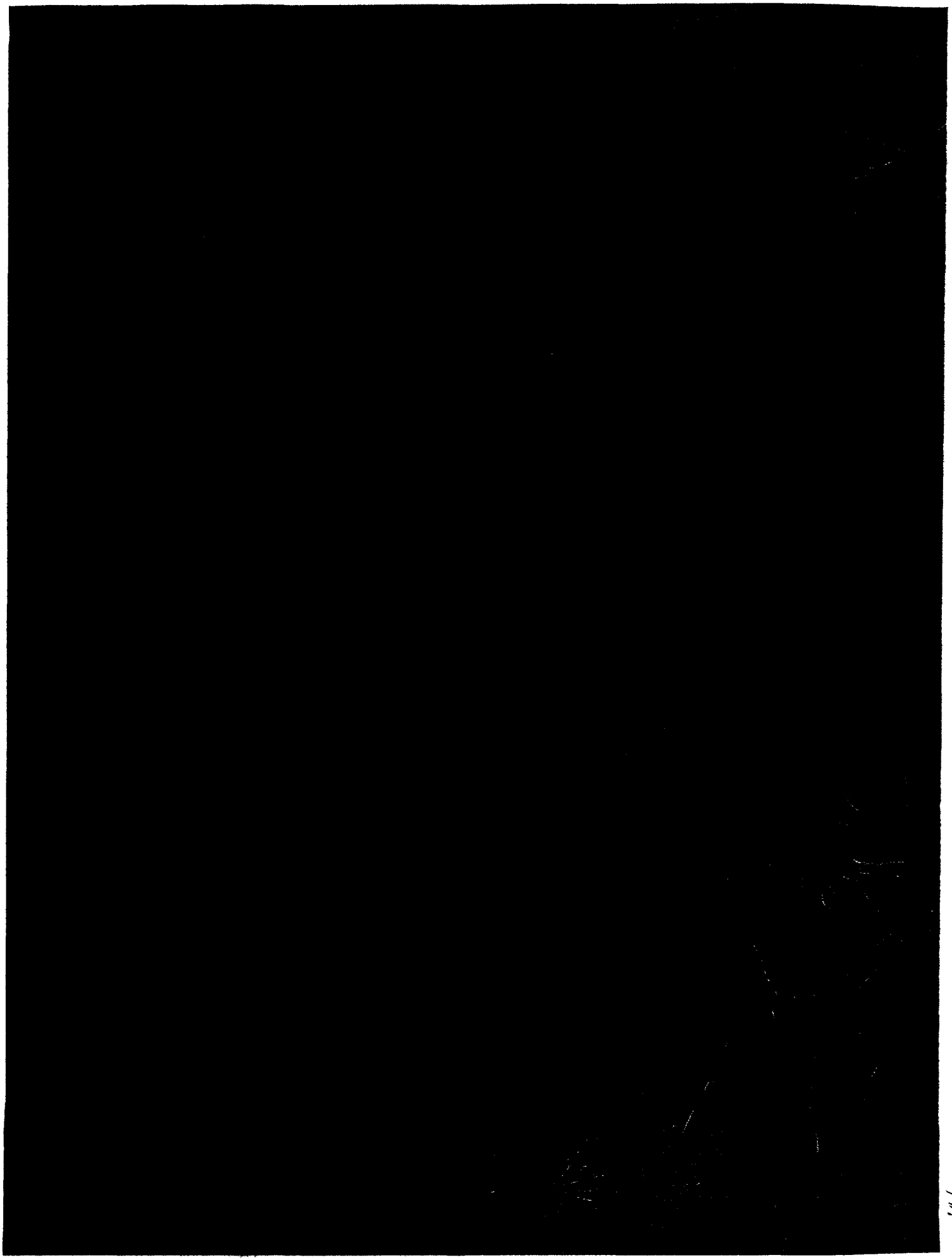
It should be noted that although these pads are near the area that was once part of the east spray field project, these pads are not in an IHSS or PAC Therefore, no sampling or soil remediation is required

Radiological characterization was performed to define the nature and extent of radioactive materials that may be present on the pads The Property Release Evaluation (PRE) confirmed that the pads do not contain radiological contamination above the surface contamination guidelines provided in DOE Order 5400 5 and the RFETS Radiological Control Manual

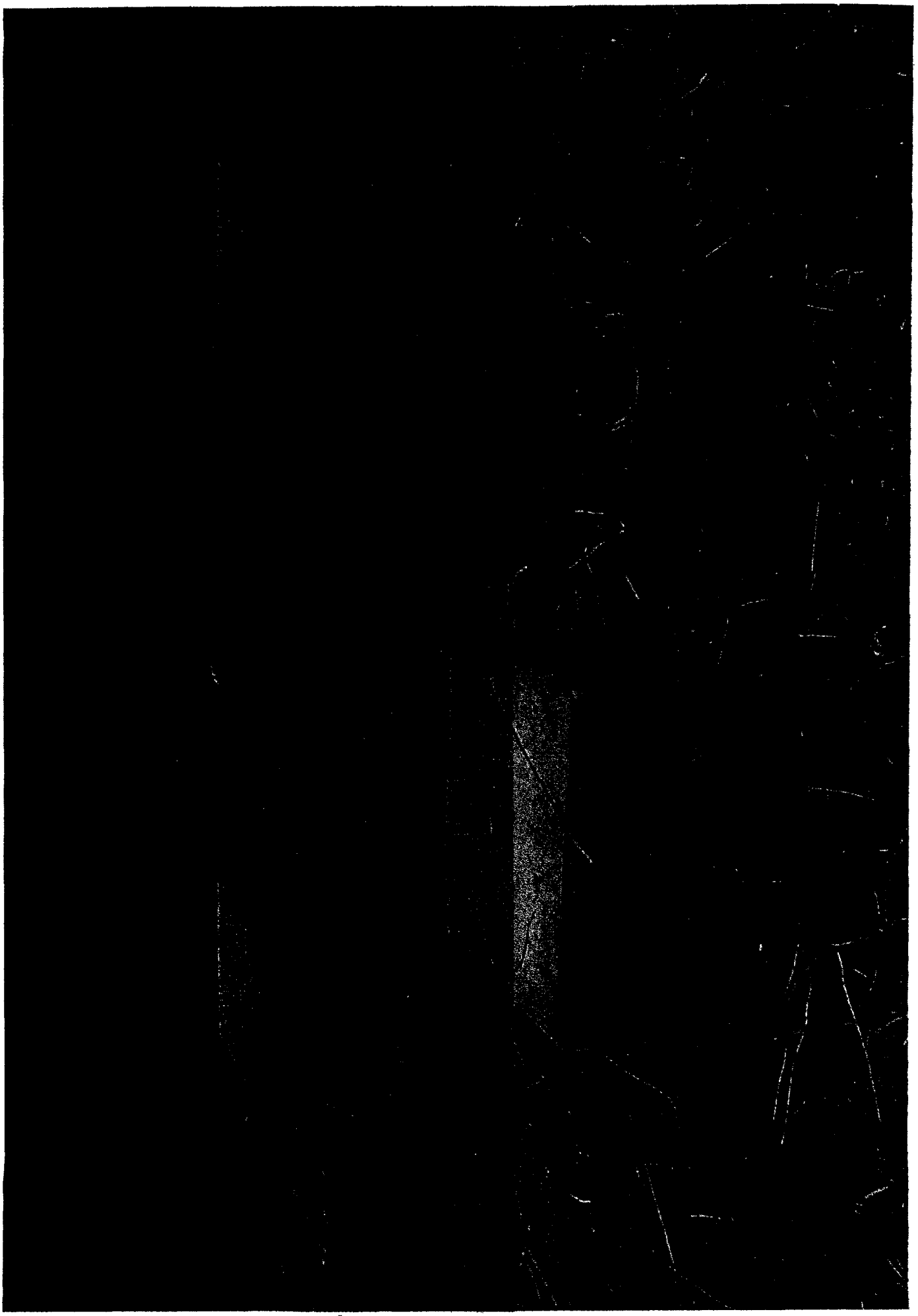
Based upon this report and subject to concurrence by the Colorado Department of Public Health and Environment (CDPHE), the Air Force Tower pads are considered to be Type 1 facilities, and will be removed In accordance with Section 2 2 of MAN-077-DDCP, "if PDS requirements are met and the absence of contamination is confirmed, the facility can be free-released "

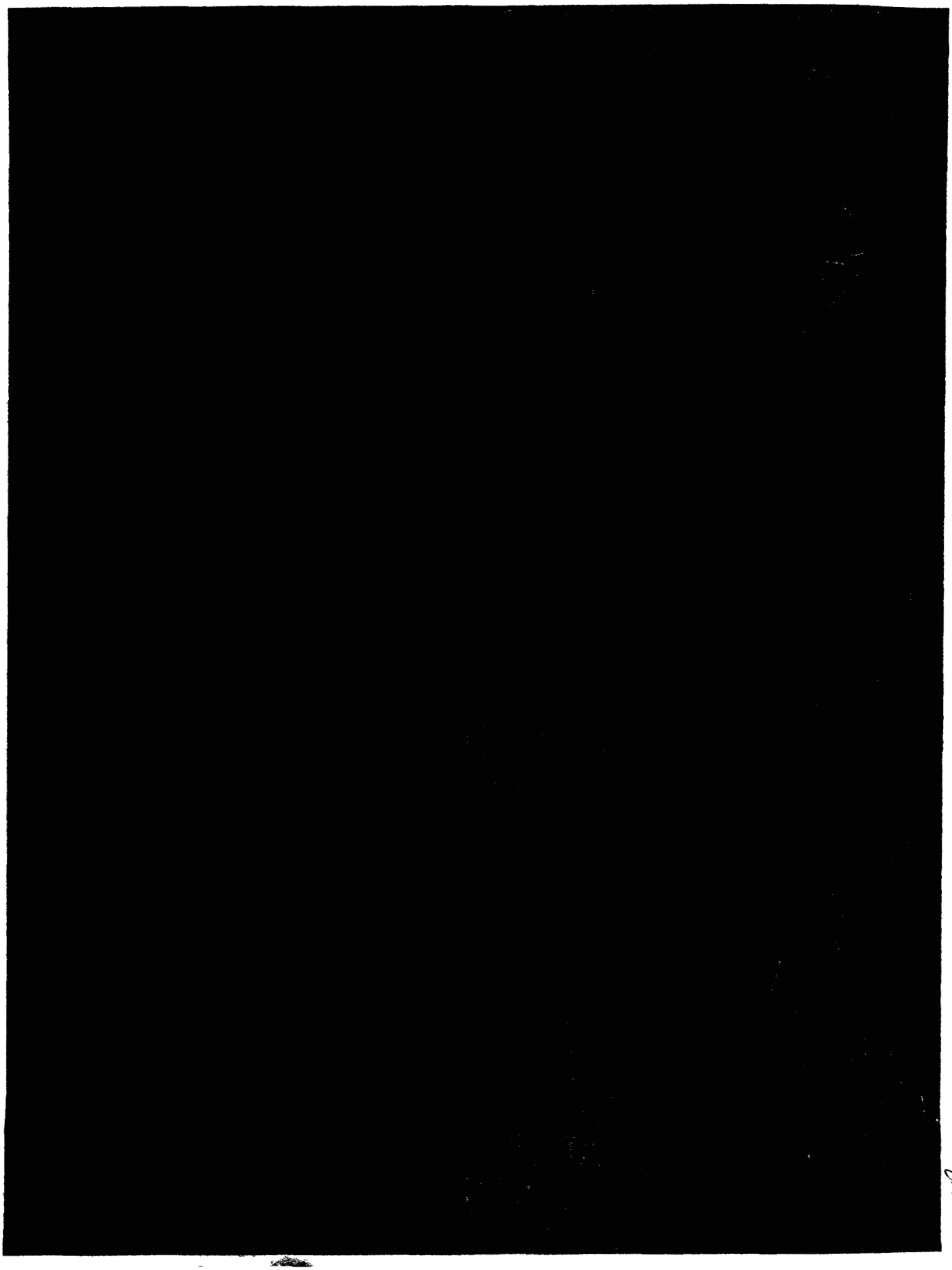
ATTACHMENT A

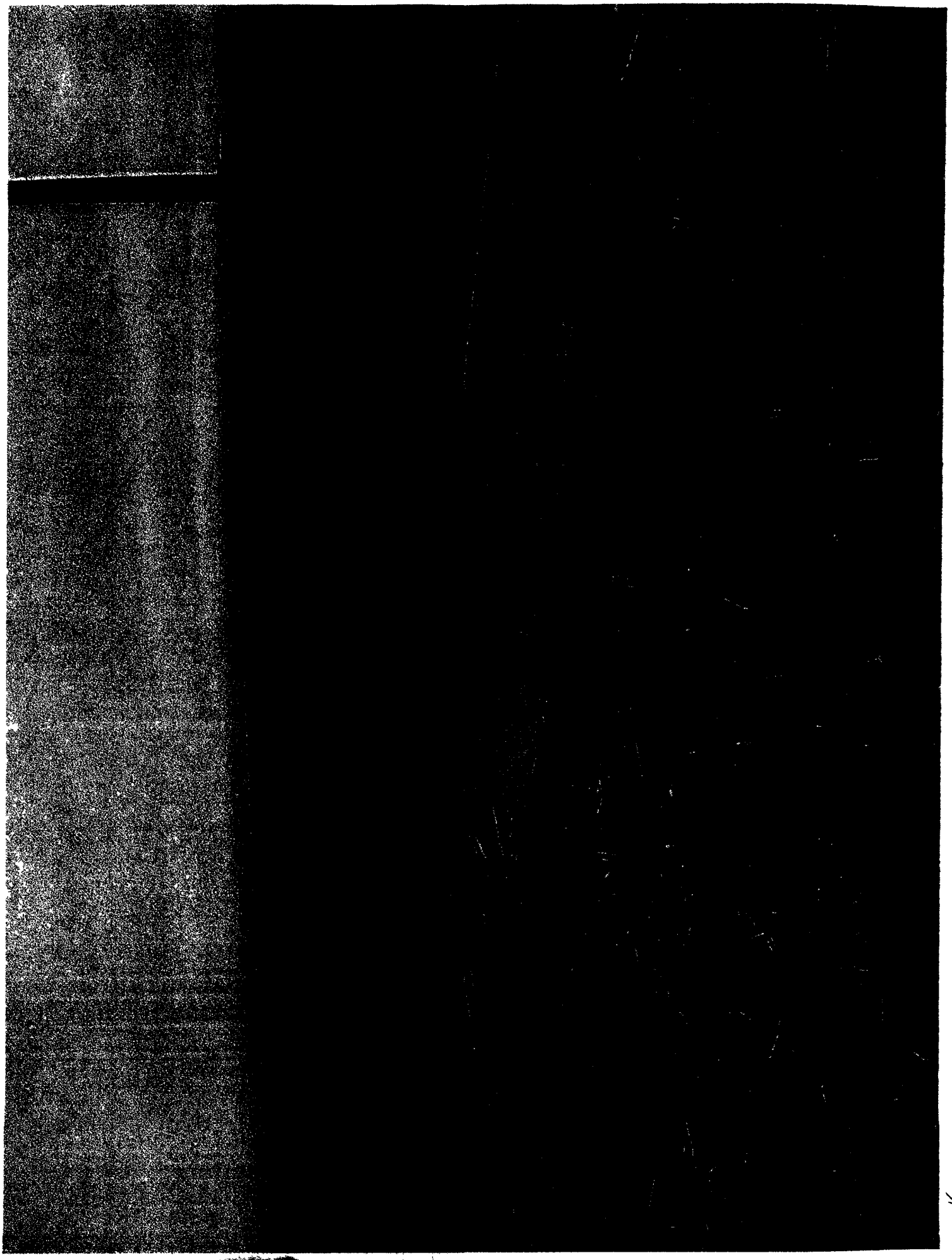
Facility Photographs/Maps and PREs



44







☐ Property ■ Waste ☐ Sample

COPY

RELEASE EVALUATION FORM

Release Evaluation No.: 010404-00116-002 **EXTENDED:** No **EXPIRES.** N/A **Charge No** N/A

PART I **SENDER/CUSTODIAN**

ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred: Miscellaneous, small concrete slabs located in the east buffer zone, and associated electrical poles, electrical equipment, and cables

Current Location: East buffer zone – GWEN tower area

Destination: Materials will be either reused on site or be disposed to a proper landfill

New Recipient/Custodian: Cameron Freiboth, B116, X2823

History/Process Knowledge: The indicated objects were used as the foundation and electrical support for aerial telecommunication towers and a small shed for the Air Force at RFETS The area has never been posted as a RBA/CA, and site documents, including affected soil disturbance permit, indicate no radiological concerns The associated equipment has been removed, and all radiological evaluation indicated no radiological concerns

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 Cameron Freiboth / [signature] Emp No [redacted] Date 04/23/01 Ext 2823

PART II **RADIOLOGICAL ENGINEERING**

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

Process history of this area and prior associated equipment indicate no radiological concerns for the waste listed above In addition, the area in which the indicated waste is located is not a "Radiological" Area as defined in 10CFR835 The waste has never been stored or used in a radiological area. ***As a result, no radiological surveys are required prior to unrestricted release.*** *These materials may be reused or disposed of in accordance with site procedures, without further radiological characterization The underside of the concrete will not require radiological surveys due to the soil disturbance permit indicating no radiological concerns (copy of permit is included as an attachment to this release evaluation) In addition, a copy of the release evaluation (REN# - 010309-RISS-001) for the prior associated equipment is provided as an attachment to this release evaluation.*

1) Custodian,, ensure that only the items described are included as a part of this release evaluation ***Ensure that all soil is removed from the collected concrete upon demolition, prior to recycle, reuse, or waste disposal***

2.) 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

3) Radiological Engineer, process release evaluation to indicate an unrestricted free-release Sign all appropriate documentation required for the disposition of the affected item

PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 010404-00116-002

COPY

Evaluated. Jay M. Britten / Jay M Britten Emp No [redacted] Date 4/23/01 Ext 3050
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT

Approved. Chad Blake / CBlake Emp No [redacted] Date 04/23/01 Ext 5909
Radiological Engineer

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 #: 010404-00116-002

COPY

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

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COPY

RISS
Remediation, Industrial D&D, & Site Services

Soil Disturbance Site Survey Assessment Report

Authorization Number	EFB70200
Project Title	Clean Up GWEN Tower Area – East Buffer Zone
Prepared By.	Chad Blake, Radiological Engineer, RISS, X5909
Radiological Engineering Number	011-01
Date	February 22, 2001

This soil disturbance package addresses clean up efforts in the GWEN Tower area location in the East Buffer Zone (the attached work package includes maps of the proposed locations) Materials to be removed include posts, anchors, concrete slabs, fences, etc

The planned sampling locations are not within an Individual Hazardous Substance Site (IHSS), or Potential Area of Concern (PAC) Historical data and process knowledge indicate that radiological soil concentration levels in this area are well below RFCA Tier II Action Levels, therefore, entry into Soil Contamination Areas will not be required A Radiological Work Permit **will not be required** to perform this work Sampling is required in accordance with the attached environmental assessment, however, radiological analysis is not required

The work will require entry into a "Controlled Area" (for radiological purposes) Entry and Exit requirements are as follows

- Successful completion of Visitor Orientation for unescorted entry of members of the general public
- General Employee Radiological Training
- There are no specific requirements for personnel exiting a "Controlled Area"
- All Buffer Zone activities must be scheduled on the Plan of the Day (contact Randy Guild, X5302)

There are additional Radiological Protection requirements for the unrestricted release of materials from RFETS The requirements are as follows

- **All wastes** generated and **property/equipment/samples** associated with this project (including equipment, concrete waste, etc) must be evaluated in accordance with *PRO-141-RSP-09 01,* Unrestricted Release of Property, Material, Equipment and Waste, and *PRO-1004-RSP-09 08,* Radioactive Material Transfer and Unrestricted Release of Property, Waste and Samples

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The area in which work will be conducted is controlled by RISS A copy of this correspondence has been sent to Curtis Bean, RISS Radiological Safety Manager Please contact Curtis at X2069 for further radiological support Radiological Operations (RCT) support will always be available to the project on a call basis (frisking, surveys, etc), but is not required Radiological Engineering support will also be available to perform the required release evaluations listed above, as well as to answer any questions the project may have Please feel free to contact me at X5909

Written direction from K-H Environmental Compliance (Greg Sollner, x3541) is required to disposition soils

Deviations from the currently defined scope of work will require further evaluation by Radiological Engineering

If any unusual material/debris is encountered during this excavation, work must be stopped and RISS Radiological Engineering and Operations notified for evaluation prior to continuing

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RSFORMS-09.01-01

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[redacted] Property ☐ Waste ☐ Sample

RELEASE EVALUATION FORM

Release Evaluation No.: 010309-RISS-001 **EXTENDED:** NA **EXPIRES:** NA **Charge No.:** EFB70200

PART I **SENDER/CUSTODIAN**
ACKNOWLEDGEMENT

Description of Property/Waste/Sample To Be Released/Transferred: Security Fencing, Chain Link Fabric, Vertical Fence Posts, Horizontal Brace Posts, Barbed Wire, Fence Gates (assembled), Fence Caps, Clamps, Bolt Hardware, Barbed Wire Extension Arms & Misc. Hardware.

Current Location: East Buffer Zone, North of Central Ave. (GWEN Tower Location)

Destination: PU&D

New Recipient/Custodian: PU&D, Eric Fairchild, X3223

History/Process Knowledge: Materials were used in support of Air Force "Ground Wave Emergency Navigation" GWEN Tower. The Tower and associated components were removed. The area is NOT an RMA/RBA/CA/SCA.

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 Al Helmick/ [signature] Emp No [redacted] Date 03/09/01 Ext. 7604

PART II **RADIOLOGICAL ENGINEERING**

SPECIFIC REQUIREMENTS AND/OR COMMENTS:

The area in which these materials were utilized is not a "Radiological" Area as defined in 10CFR835 The materials have never been used or stored in a radiological area. The materials can be resold or recycled under the current DOE Recycled Waste Moratorium. Based on history and process knowledge of the area, the materials specified in Part I of this evaluation may be free (unrestricted) released with no further radiological characterization required.

Evaluated: Chad Blake/ [signature] Emp. No [redacted] Date 03/09/01 Ext. 5909
Radiological Engineer

APPROVAL FOR TRANSFER/SHIPMENT

Approved: Chad Blake Emp. No [redacted] Date 03/09/01 Ext 5909
Radiological Engineer

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PROPERTY/WASTE RELEASE EVALUATION SIGNATURE REQUIREMENTS

Release Evaluation #: 010309-RISS-001 **Page 2 of 2**
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.