

# START

## Meeting Minutes Transmittal - Approved

Unit Managers Meeting  
4843 ALKALI METAL STORAGE FACILITY  
Ecology Office, Conference Room 8  
Kennewick, Washington

Meeting Held May 16, 1995  
From 8:30 am to 9:30 am

The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Unit Managers Meeting.

*Ellen Mattlin* Date: 7/12/95  
Ellen M. Mattlin, Unit Manager, RL

Not present. Date: \_\_\_\_\_  
Daniel L. Duncan, RCRA Program Manager, EPA Region 10

*Greta P. Davis* Date: 7/12/95  
Greta P. Davis, Unit Manager, Washington State Department of Ecology

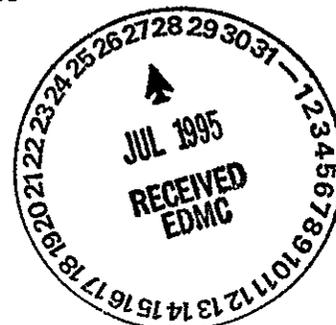
### 4843 Alkali Metals Storage Facility, WHC Concurrence

*Fred A. Ruck III* Date: 7/12/95  
Fred A. Ruck III, Contractor Representative, WHC

*P. C. Miller* Date: 7/12/95  
P. C. Miller, Contractor Representative, WHC

Meeting Minutes are attached. The minutes are comprised of the following:

- Attachment 1 - Agenda
- Attachment 2 - Summary of Discussion and Commitments/Agreements
- Attachment 3 - Attendance List
- Attachment 4 - Action Items
- Attachment 5 - Radiological Survey Plan No.: X-95-001
- Attachment 6 - Radiological Survey Report No.: 205838



Attachment 1

Unit Managers Meeting  
4843 ALKALI METAL STORAGE FACILITY  
Ecology Office, Conference Room 8  
Kennewick, Washington

Meeting Held May 16, 1995  
From 8:30 am to 9:30 am

Agenda

1. Approval of Past UMM Minutes
2. Status Action Items
  - 7-14-93:1 Arrange for Ecology to attend radiation survey of 4843 AMSF
  - 7-14-93:2 Provide Ecology with a copy of the radiation survey procedure
  - 2-18-94:1 Arrange and schedule the DQO meeting for 4843 AMSF
  - 3-17-94:1 Provide aerial photographs of 4843 AMSF to Ecology
  - 4-14-94:1 Add information to the Administrative Record
  - 9-22-94:1 Funding for FY 1995
  - 12-6-94:1 Delays of shipping the waste
  - 3-29-95:1 Research Ecology's Clean Closure Guidance for possible use at 4843
3. Status Closure Activities
  - Status on Waste Removal
  - Status of Aerial Photographs
4. New Business
5. Set Next Meeting Date

## Attachment 2

Unit Managers Meeting  
 4843 ALKALI METAL STORAGE FACILITY  
 Ecology Office, Conference Room 8  
 Kennewick, Washington

Meeting Held May 16, 1995  
 From 8:30 am to 9:30 am

## Summary of Discussion and Commitments/Agreements

## 1. Approval of Past UMM Minutes

The March 29, 1995, Unit Managers Meeting minutes were approved and signed. There are no outstanding Unit Managers Meeting minutes. No Unit Managers Meeting was held during April of 1995.

## 2. Status Action Items

## - 7-14-93:1 Arrange for Ecology to attend radiation survey of 4843 AMSF

Closed. Ecology and Department of Health attended the May 15, 1995, radiation survey. The results of the radiation survey concluded that the building does not contain any radiation above background level. The building has been released from a Radiologically Controlled Area (RCA) and is no longer posted with radiological control signs. See Attachment 6 for specifics of the radiation survey.

## - 7-14-93:2 Provide Ecology with a copy of the radiation survey procedure

Closed. A Radiological Survey Plan was provided to Ecology on May 11, 1995. See Attachment 5 for specifics of the Radiological Survey Plan.

## - 2-18-94:1 Arrange and schedule the DQO meeting for 4843 AMSF

Closed. The data quality objective (DQO) meeting is scheduled to take place May 24, 1995, from 8 am to 2 pm, Rm. 624-D, in the Federal Building.

## - 3-17-94:1 Provide aerial photographs of 4843 AMSF to Ecology

Closed. Aerial photographs dated from 1972 to 1994 were provided to Ecology during this Unit Managers Meeting.

## - 4-14-93:1 Add information to the Administrative Record

Pending. This action item is ongoing and cannot be completed until the unit closure has been certified. Information to be added includes: a copy of field logbooks, a copy of analytical results, a copy of the Professional Engineer's field logbook, and a copy of the radiation survey results

## - 9-22-94:1 Funding for FY 1995

Closed. Activities itemized in FY 1995 cost breakdowns have occurred or are scheduled to occur in the near future; therefore, it can be implied that funding is set aside to complete closure activities scheduled during FY 1995.

- **12-6-94:1 Delays of shipping the waste**

Closed. The last shipment of dangerous waste was removed from 4843 on May 10, 1995.

- **2-28-95:1 Research Ecology's Clean Closure Guidance for possible use at 4843**

Closed. WHC RCRA Unit Closures (ZC Knaus) has a copy of Ecology's Guidance for Clean Closure and has been researching it for possible use at 4843.

**3. Status Closure Activities**

- **Status on Waste Removal**

ZC Knaus reported the last shipment of dangerous waste was removed from 4843 on May 10, 1995. No dangerous waste remains in the building; therefore, closure activities may proceed.

- **Status of Aerial Photographs**

WHC FTF Regulatory Compliance (PC Miller) located a twenty-two year cache of 400 Area photographs. These photographs and their associated descriptions will be collected in a photo-logbook and added to the 4843 Administrative Record.

**4. New Business**

- **Unit Walk-Through**

One final Unit walk-through will be conducted before the scheduled DQO meeting. It was agreed to organize the walk-through for the morning of May 22, 1995. The intent of this tour is to give everyone involved in the DQO meeting a final look at the task at hand before conducting the DQO process.

- **Photo-logbook**

A photo-logbook consisting of photographs and descriptions will be compiled by ZC Knaus to be added to the 4843 Administrative Record. This logbook shall contain brief chronological descriptions.

- **Cut Back of Weekly Inspections**

ZC Knaus asked if there would be any problem with proposing a reduction in weekly inspection at 4843. His reasoning being that all dangerous waste has been removed from the unit and it is not intended, at this time, to be used as a storage unit. Ecology (GP Davis) did not believe that there would be a problem, but suggested that a formal letter be transmitted before taking any action. ZC Knaus will take

9513359.2355

the responsibility of writing the letter requesting the cut back of inspections.

**5. Set Next Meeting Date**

The next meeting has been set for July 12, 1995, from 1:00 pm to 2:00 pm, 2440 Stevens Center, Rm. 2200 in Richland, Washington.



## Attachment 4

Unit Managers Meeting  
 4843 ALKALI METAL STORAGE FACILITY  
 Ecology Office, Conference Room 8  
 Kennewick, Washington

Meeting Held May 16, 1995  
 From 8:30 am to 9:30 am

## Action Items

<u>Action Item #</u>		<u>Description</u>
07-14-93:1	CLOSED 5-16-95	Arrange for Ecology to attend radiation survey of 4843 AMSF. (WHC: Z.C. Knaus)
07-14-93:2	CLOSED 5-16-95	Provide Ecology with a copy of the radiation survey procedure. Current commitment is for a copy of an old radiation survey procedure. (WHC: Z. C. Knaus)
02-18-94:1	CLOSED 5-16-95	Arrange and schedule for the DQO meeting the 4843 AMSF. (WHC: Z. C. Knaus)
03-17-94:1	CLOSED 5-16-95	Provide aerial photographs of the 4843 AMSF to Ecology. (WHC: Z. C. Knaus)
04-14-93:1	OPEN	Add the following to the Administrative Record: Field logbook(s); analytical results; PE's logbook; and the radiation survey results. (WHC: Z. C. Knaus)
09-22-94:1	CLOSED 5-16-95	Provide information on funding available for 4843 AMSF for FY 1995. Included in this will be breakdowns for specific jobs such as: DQO, NODs, Rad Survey, Waste Shipment. (WHC: Z. C. Knaus)
12-06-94:1	CLOSED 5-16-95	Delays of shipping the waste. Provide Ecology with answers to remaining questions raised at Unit Managers Meeting. What is the status of overpack material with regards to the scheduled shipping date? (WHC: Z. C. Knaus/ P. C. Miller)
3-29-95:1	Closed 5-16-95	Research Ecology's Clean Closure Guidance for possible use at 4843. (WHC: Z. C. Knaus)

9513359.2358

Attachment 5

Unit Managers Meeting  
4843 ALKALI METAL STORAGE FACILITY  
Ecology Office, Conference Room 8  
Kennewick, Washington

Meeting Held May 16, 1995  
From 8:30 am to 9:30 am

TITLE - Radiological Survey Plan No.: X-95-0001

Radiological Survey Plan No.: X-95-0001	Page <u>1</u> of <u>3</u>	Date: 5/9/95
Title: Release of Building 4843 from Radiological Control	Expiration Date: 8/9/95	

## 1.0 Purpose

This plan describes the radiation survey methodology by which the 400 Area Radiological Control Organization will release the 4843 Building from radiological control.

## 2.0 Scope

The 4843 Building has been used solely for the purpose of storing radioactive contaminated Alkali metals prior to shipment to final disposition. No radioactive spills have occurred in the building. The building has been posted as a Radiation Area indicating that routine radiation surveys have never detected any radioactive contamination.

All the Alkali metal stored at 4843 Building came from FFTF. FFTF radioactive isotope characterization has shown that alpha contamination is not a concern. The radiation survey of this facility will, therefore, be performed with beta-gamma instrumentation only.

## 3.0 Required Material

- o Currently Calibrated beta-gamma survey instrument
- o Massolin cloth (smear material)
- o Survey Plan
- o Radiation Survey Report

## 4.0 Survey Plan

### 4.1 Facility Layout

The interior dimension of the 4843 Building is approximately 39' x 39' (1521 square feet). The floor is concrete (4 slabs, shown in Figure 1 as the small dotted line). The walls are corrugated metal. There are roll-up doors at the west and east sides; personnel entrance doors on the NW and SE sides of the building.

Inside the building, on the north wall, there is a cement block shield wall (4' high and 2' wide). On the south wall there is scaffolding. Otherwise the building is empty.

Figure 1 shows the layout of the 4843 Building. The Figure's scale is approximately 1/6 inch to 1 foot. The building has been divided into grids approximately 30 - 50 ft<sup>2</sup> areas. These grids will be used for the purpose of indicating the locations of the survey points.

9513359.2360

Radiological Survey Plan No.: X-95-0001	Page <u>2</u> of <u>3</u>	Date: 5/9/95
Title: Release of Building 4843 from Radiological Control	Expiration Date: 8/9/95	

#### 4.2 Survey

- 4.2.1 Perform a smear survey of the concrete floor using massolin (or equivalent smear material) cloth. Use 6 - large area smears along each of the rows 1-6 (see Figure 1).
- 4.2.2 Perform a smear survey on the wall panels and roll-up doors (8 ft high). Use one smear per wall.

NOTE: If any contamination is found above the release criteria, the entire floor area will be surveyed at a scan speed of 2 inches/second.

- 4.2.3 Perform a 95% statistical direct survey on the concrete floor as follows:

- o Scan the entire concrete floor at approximately 6 inches per second.
- o Using the attached Figure and indicated grids (e.g. A1, B2), perform 22 static (at least 5 seconds each) measurements (at random) within each 50 ft<sup>2</sup> area. Indicate the approximate location of each direct scan on the Figure with a dot. If any measurement is above the minimum detectable activity, circle the dot to so indicate and document the level.

For those grids along the east of south walls which are not 50 ft<sup>2</sup>, combine the grids as follows: F1&2, F3&4, F5&6, 6A&B, 6CD&E.

- 4.2.4 Perform direct static measurements on the wall panels and roll-up doors (8' high). Make at least 22 measurement per wall area.

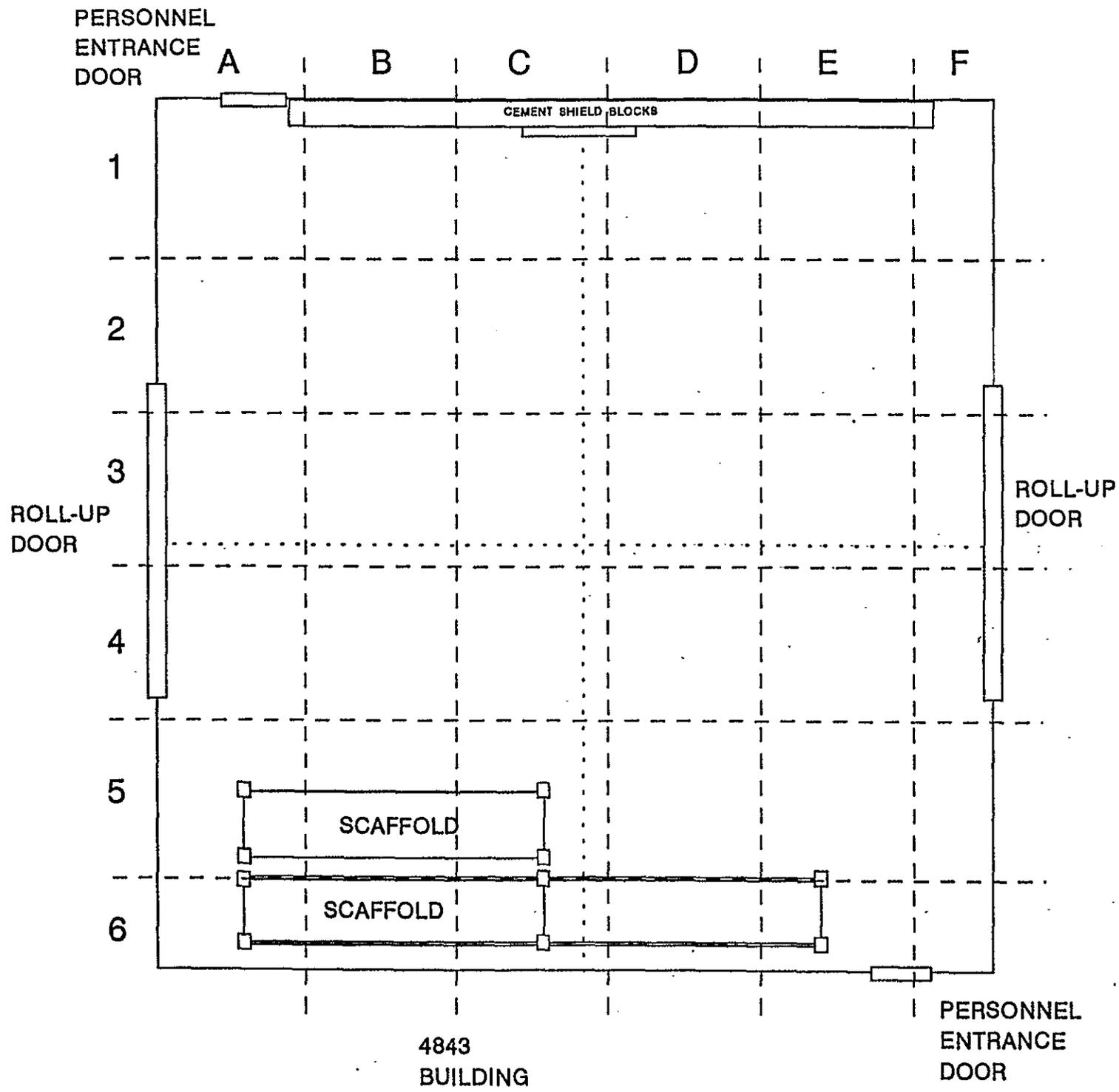
#### 5.0 Release Criteria

To release the the 4843 Building from radiological control, the removable contamination shall be less than 1000 dpm/100 cm<sup>2</sup> and the direct scan measurements shall be less than 5000 dpm/100 cm<sup>2</sup>. If any of these levels are exceeded, a Decontamination Plan will be developed and the area will be resurveyed.

#### 6.0 Documentation

Document radiation survey results on a Radiation Survey Report form. Identify the floor locations by the grid number (e.g., A1, B2, etc.). Identify the wall survey by compass direction (e.g. east wall). Attach grid map to the survey report.

Author: D. R. Burstad <i>D. R. Burstad</i>	RC Manager: L. A. Nelsen <i>L. A. Nelsen</i>
--	--



9513359.2361

Figure 1: 4843 Building

9513359.2362

Attachment 6

Unit Managers Meeting  
4843 ALKALI METAL STORAGE FACILITY  
Ecology Office, Conference Room 8  
Kennewick, Washington

Meeting Held May 16, 1995  
From 8:30 am to 9:30 am

TITLE - Radiological Survey Report No.: 205338

9513359.2363

Westinghouse Hanford Company - Health Physics  
**RADIOLOGICAL SURVEY REPORT**

Survey No.  
**№ 205838**

Date **5-15-95** Time **0800/1000** RWP No. **N/A**

Page **1** of **3**

Area/Bldg./Room/Location (Code)  
**400, FTF, 4843 BLDG.**

F.C.  
**X**

Job Description  
**RELEASE THE 4843 BUILDING  
 FROM RADIOLOGICAL CONTROL.  
 PER SURVEY PLAN No: X-95-000!**

Purpose of Survey (check appropriate box(es)):  
 Contamination Incident:  Skin,  Clothing,  Spill  
 Alarm Response:  CAM,  ARM(RAM),  PSD  
 HRA/VHRA Work  Job Coverage  
 Exposure Incident  Material Release  
 RM Transfer/Shipment  Required, Task No. \_\_\_\_\_

Map/Sketch  
~~N/A~~

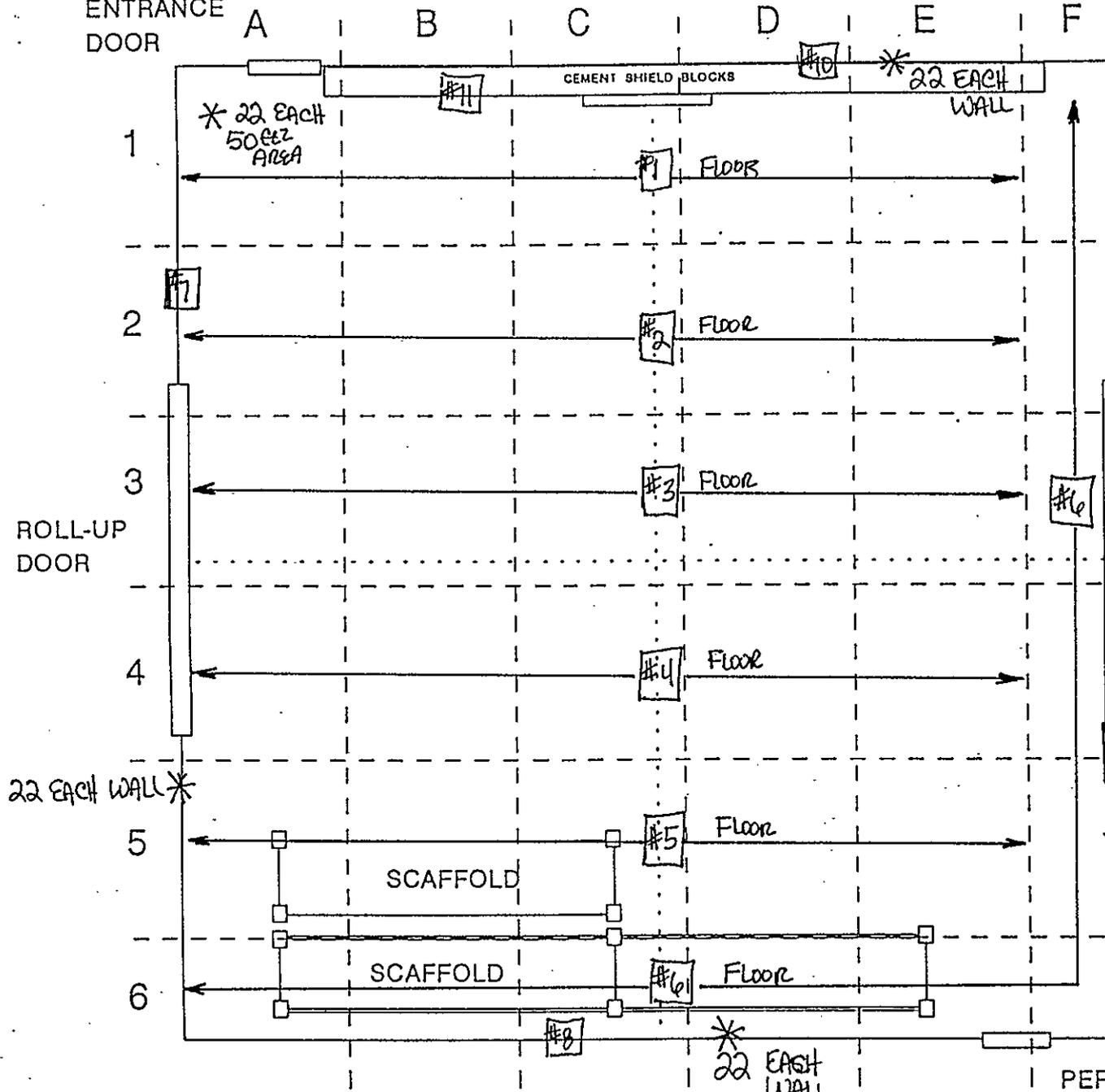
No.	Description	Dist.	DOSE RATE			CONTAMINATION LEVELS				
			β (non-pen) mrad/h	γ (pen) mR/h	n mrem/h	Direct (dpm/probe)		Smear (/100cm <sup>2</sup> )		
						β	α	β (dpm)	α (dpm)	mrad/h
1	6 LARGE AREA FLOOR SMEARS	N/A						<1000	N/A	
2	(4 WALLS) ONE SMEAR PER WALL	N/A						<1000	N/A	
3	SCAN ENTIRE FLOOR SURFACE	N/A				<5000	N/A			
4	CEMENT SHIELD BLOCKS	N/A						<1000	N/A	
5	(4 WALL PANELS) 22 5 secs. MEASUREMENTS PER WALL AREA	N/A				<5000	N/A			
6	22 STATIC MEASUREMENTS IN EACH 50 ft <sup>2</sup> OF FLOOR AREA.	N/A				<5000	N/A			
N/A		N/A								

Continued on page 2

Air Sample Results (μCi/ml)			
	BZ	GA	
	Initial		Decay
α 1	N/A		N/A
β 1			
α 2			
β 2	N/A		N/A

Legend  
 ⊙ - Smear Location      ⊠ - Air Sample Location  
 ⊞ - Large Area Smear      \* - Contact Reading  
 Other \_\_\_\_\_

PERSONNEL  
ENTRANCE  
DOOR



LEGEND

- # LARGE AREA SMEARS
- \* STATIC MEASUREMENTS

ALL SMEARS  
<1000 D/M/100CM<sup>2</sup>  
SCAN & STATIC  
MEASUREMENTS  
ROLL-UP  
DOOR <5000 DPM  
/100

913579-2364  
Figure 1: 24843 Building

4843  
BUILDING

PERSONNEL  
ENTRANCE  
DOOR

## Distribution:

J. K. Bartz	GSSC	R3-82
R. M. Carosino	RL	A4-52
D. H. Chapin	RL	N2-36
G. P. Davis	Ecology	B5-18
D. L. Duncan	EPA	HW-106 (Seattle)
A. D. Huckaby	Ecology	B5-18
Z. C. Knaus	WHC	H6-23
P. J. Mackey	WHC	B3-15
E. M. Mattlin	RL	A5-15
P. C. Miller	WHC	N2-04
S. M. Price	WHC	H6-23
F. A. Ruck III	WHC	H6-23
J. L. Waite	WHC	B2-35
RCRA file/GHL	WHC	H6-23
Field File Custodian	WHC	H6-08

ADMINISTRATIVE RECORD: 4843 ALKALI METAL STORAGE FACILITY (S-4-1) [Care of EDMC, WHC (H6-08)]

Washington State Department of Ecology Nuclear and Mixed Waste, Hanford Files,  
P.O. Box 47600, Olympia, Washington 98504-7600

Environmental Protection Agency Region 10, Seattle, Washington 98101,  
Record Center, Mail Stop HW-074

Please send comments on distribution list to Zachery C. Knaus (H6-23),  
(509) 372-1597.