



DEPARTMENT OF VETERANS AFFAIRS
Veterans Health Administration
National Health Physics Program
2200 Fort Roots Drive
North Little Rock, AR 72114

JUL 05 2007

In Reply Refer To: 598/115HP/NLR

Cassandra F. Frazier
Division of Nuclear Material Safety
Nuclear Regulatory Commission (NRC), Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532-4352

Dear Ms. Frazier:

Per NRC License 03-23853-01VA, we are enclosing closeout survey documentation for the VA Puget Sound Health Care System, Seattle, Washington, for your review and approval.

The documentation is to support release of a location, identified as "Radwaste Storage Shed," for unrestricted use. The shed was demolished circa November 2006 for a time-urgent construction project with closeout surveys completed on November 8, 2004.

For review and approval of this request, we enclose an e-mail string dated April 18, 2007, from the facility Radiation Safety Officer that has historical information and summary survey results. We are also enclosing the "Station Site Plan" to identify the shed as being the second shed from the top of the plan adjacent to a building with engineering shops. The shed was not a numbered building.

The two documents provide information consistent with 10 CFR 30.36 criteria to evaluate the building for a decommissioning action. We conclude the survey results comply with 10 CFR 20.1402, which limits radiation exposure to 25 millirems per year from residual radioactivity that is distinguishable from background.

If you have any questions or comments, please contact Gary E. Williams, VHA National Health Physics Program, at (501) 257-1572.

Sincerely,

A handwritten signature in black ink, appearing to read "F. Lynn McGuire".

F. Lynn McGuire
Director, National Health Physics Program

Enclosures

RECEIVED JUL 09 2007

From: Dunn, David J
Sent: Wednesday, April 18, 2007 4:57 PM
To: Williams, Gary E
Subject: RE: status for decommissioning issue

Sir,

We are ready to respond with the available data. We located and swiped all the barrels which were transferred from the demolished shed. This required physically moving and rearranging the barrels in the second shed now being used, which took a considerable time. I contacted Mr. Bergsagel and Mr. Simmons about the history of the shed, its usage, types of storage and any incidents that may have occurred. The most time consuming and most difficult data to compile has been the historical storage that was in that particular area by nuclide and amount for a particular reporting period as those records are not readily accessible until the year 2000. We can reply with the following:

1. Is the information outlined about the shed correct?

The information listed about the circumstances of the shed as previously outlined is correct with the following amplification:

The asphalt floor of the shed was removed and a three-story concrete and steel framed building was constructed that covers the entirety of the previous site with a concrete floor that is one and a half feet thick.

2. What were the physical dimensions of the shed and the building materials?

The shed was 8 feet wide by 14 feet wide by 8 feet high (2.4 m x 4.3 m x 2.4 m). The shed consisted of steel chain-linked fencing of the dimensions stated with a pad-locked gate. Bolted to the fencing was 1 mm thick corrugated aluminum on all sides with the roof consisting of aluminum I-beams bolted to the fence posts with the corrugated aluminum affixed to the top of the I-beams to provide the ceiling.

3. Did any major spills resulting in residual contamination above the release criteria occur in the shed?

There are no spills of any kind that have ever occurred in the shed.

4. When was the shed first used and last used for radioactive material storage?

The shed was first established in 1988. The exact date in 1988 is not known. The last use of the shed was 15 November 2006. The last barrel placed into the shed was stored on 6/15/2005.

5. What radioactive materials were stored in the shed listing this information by radionuclide, typical quantity in storage at any one time, and total quantity in storage during the entire use of the shed or for a specific reporting or recording period?

There is very little data available as to the location a particular container was stored until the year 1998. We have compiled data for the years 2000 to 2006 for the barrels known to be in that area as representative of the types and amounts in storage over the entire term.

The data file is attached as a MS-Excel spreadsheet titled "Waste Area 3".

With the caveats that Mr. Michael Simmons stated C-14 and H-3 isotopes had also been stored there at some time in the past and

that 10 uCi of H-3 was been placed into the area in 2005. There is voluminous wipe data indicating no contamination present from said

storage based upon past LSC counts done on the weekly/monthly wipes. We wiped the package containing the C-14 and found no leakage.

We wiped each barrel removed from the shed. Ten wipes per barrel were performed for a total of 180 wipes and counted by Tri-Carb liquid scintillation counter Model 1600TR. The LSC counter gave an efficiency for H-3 of 62.42% and efficiency for C-14 of 95.95%. Background was 23.5 DPM. The highest wipe count was 48 DPM.

6. Were any sealed sources stored in the shed?

There was one drum containing unused Pd-103 and I-125 prostate implantation brachytherapy seeds being held for decay.

No sealed sources other than these brachytherapy seeds were ever in the shed.

No sealed sources requiring leak testing were stored in the shed.

7. If so, indicate whether the sealed sources failed a leak test or potentially resulted in the spread of radioactive contamination.

Not applicable.

8. Describe any ventilation or sanitary/sewer discharge systems associated with the shed and any potential for the spread of, or residual, radioactive contamination.

The shed was a free-standing structure which was not equipped with a ventilation system, heating system, drainage system, water, sewer or septic system of any kind.

9. Describe the routine radiation surveys (i.e., frequency, equipment, and methods) completed for the shed and indicate if historical records identified any surveys results with radioactive contamination above the release criteria.

Routine radiation surveys were conducted weekly at first, then monthly starting in 2000. Wipe surveys were counted by Tri-Carb Model 1600TR LSC and dose-rate surveys conducted with a Victoreen model 451B survey meter. No leakage or contamination was ever found during these surveys.

10. Describe the radiation surveys for the last survey completed for the shed with details about the survey methodology, the equipment used, the counting statistics, and results in DPM.

The last survey completed for the shed known as "Waste Area 3" was completed on 15 November 2006. All the waste barrels had been transferred to an area known as "Waste Area 2" which is located approximately 40 feet from the demolished shed location. An ambient area survey was completed on all sides of the shed at points indicated as A, B, C and D on the survey map with a Victoreen model 451B, serial number 6039. The background reading on this instrument read 0.02-0.03 mR/hr and the readings on all sides of the structure read 0.02-0.03 mR/hr.

Representative wipes of the shed were taken at points on the outside walls, inside walls and the deck surface. There were 15 wipes total counted by Tri-Carb liquid scintillation counter Model 1600TR. The LSC counter gave an efficiency for H-3 of 60.95% and efficiency for C-14 of 96.23%. Background was 20 DPM. The highest reading recorded on the wipe samples was 30 DPM. A map of the survey points is attached as "WipeMap". Wipes on the outside and inside walls of the container covered a 4ft x 4ft area each.



WASTE AREA 3.xls
(87 KB)

From: Williams, Gary E
Sent: Tuesday, April 17, 2007 4:41 AM
To: Dunn, David J
Subject: status for decommissioning issue

Dave,

What is the status for the shed issue?

Gary E. Williams
National Health Physics Program
Veterans Health Administration
North Little Rock, Arkansas
(501) 257-1572

From: Williams, Gary E
Sent: Wednesday, March 21, 2007 9:56 AM
To: Dunn, David J
Subject: RE: decommissioning issue

Dave,

One unofficial NRC point of contact recommended you take wipes for the outside of the waste containers that were in storage immediately before the shed was demolished.

Wipe results for the waste container might support a conclusion that residual contamination was unlikely.

This point of contact appeared to indicate a permit amendment is needed.

I can address that issue in a more official forum with NRC after you respond with the information request below.

Gary E. Williams
National Health Physics Program
Veterans Health Administration
North Little Rock, Arkansas
(501) 257-1572

From: Williams, Gary E
Sent: Tuesday, March 20, 2007 1:45 PM
To: Dunn, David J
Subject: decommissioning issue

Dave,

This e-mail is in follow-up to our telephone discussion today during which you raised a decommissioning issue about a former shed used to store radioactive waste.

The shed is identified on the 2005 renewal request diagram entitled "Station Site Plan" by reference

to a legend on the left side of the diagram noting “Radwaste Storage Shed” with arrows drawn to four different sheds.

The shed in question is the second shed from the top of the diagram adjacent to a building with engineering shops.

The shed was not a numbered building.

Circa November 2006, a generator explosion in the area necessitated demolition of the shed for the former shed location to be used for a new larger generator.

The explosion did not impact the radioactive waste storage shed.

The asphalt floor for the shed was removed and a new concrete pad was installed.

The shed building materials were disposed.

The shed did not have a discharge to a sanitary sewer, septic tank, or leach field.

Radioactive materials in the shed were relocated and wipes for removable radioactive contamination were taken.

The radioactive materials in the shed that were relocated included one bag of waste with C-14 (approximate activity 10 microcuries). The other radioactive materials were short half-life.

The historical uses of the shed have not been evaluated.

The wipes results were less than the release criteria for H-3 and C-14.

For follow-up information, you should review the historical uses of the radioactive waste storage shed. Some of the questions normally asked by NRC are outlined in the attached guidelines.

Specifically, please respond to the following questions.

Is the information about the circumstances of the shed as outlined above correct?

What were the physical dimensions of the shed and the building materials?

Did any major spills (i.e., a spill which resulted in residual radioactive contamination above the release criteria) occur in the shed?

If so, provide a detailed description and analysis of the major spill.

When was the shed first used and last used for radioactive material storage?

What radioactive materials were stored in the shed listing this information by radionuclide, typical quantity in storage at any one time, and total quantity in storage during the entire use of the shed or for a specific reporting or recording period?

Were any sealed sources stored in the shed?

If so, indicate whether the sealed sources failed a leak test or potentially resulted in the spread of

radioactive contamination.

Describe any ventilation or sanitary/sewer discharge systems associated with the shed and any potential for the spread of, or residual, radioactive contamination.

Describe the routine radiation surveys (i.e., frequency, equipment, and methods) completed for the shed and indicate if historical records identified any surveys results with radioactive contamination above the release criteria.

Describe the radiation surveys for the last survey completed for the shed with details about the survey methodology, the equipment used, the counting statistics, and results in DPM.

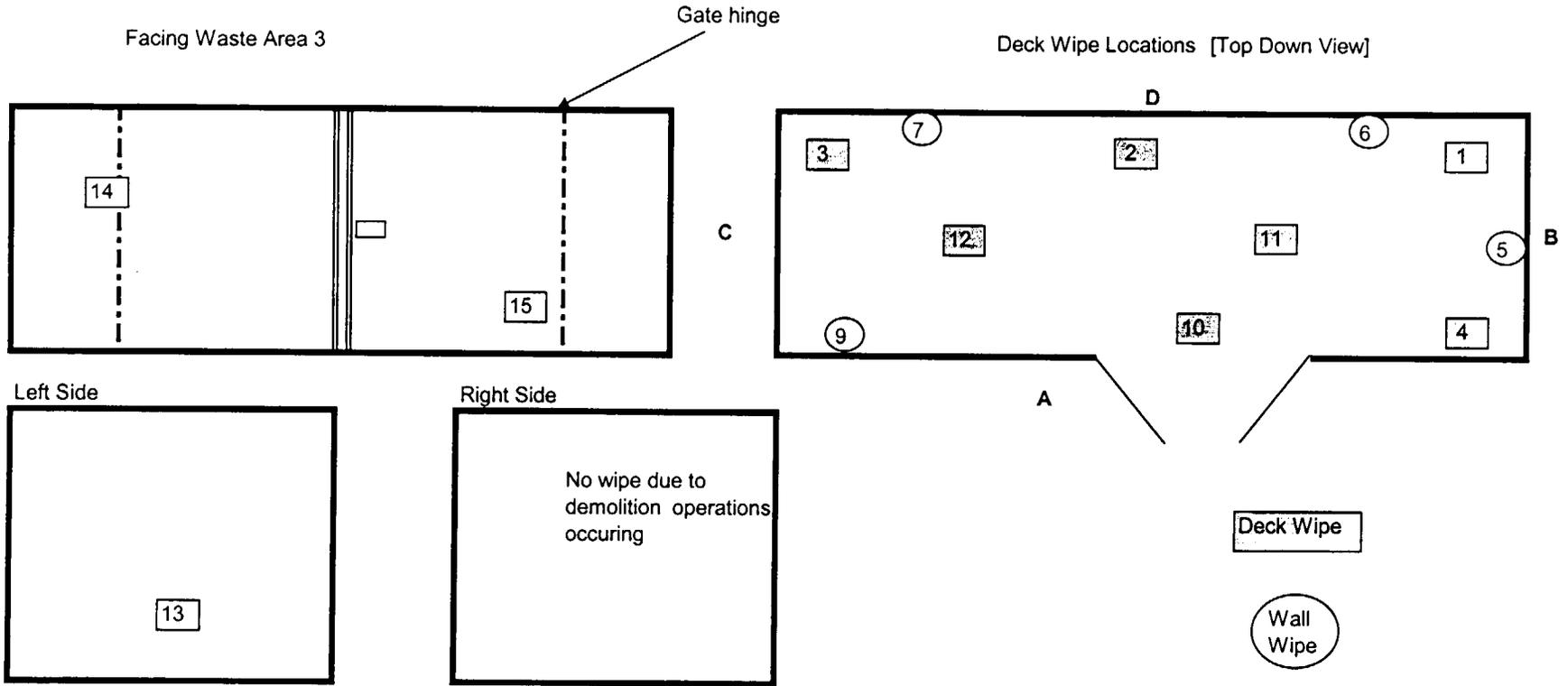
To assist in collecting the historical information, you should contact the previous two Radiation Safety Officers to obtain their observations and comments and review the available historical records and documents at the medical center.

Please provide a response to this e-mail within 30 days.

<< File: NRC R3 guidelines.doc >>

Gary E. Williams
National Health Physics Program
Veterans Health Administration
North Little Rock, Arkansas
(501) 257-1572

Waste Area Three Survey Map



Date Sealed	Date Opened	Isotope	Total in (mCi)	Current Activity	Drum Number	Date Disposed
26-May-00	5/11/2000	I-125	5.800	4.46E-12	LW-05/26/00-1	
28-Sep-00	9/1/2000	I-125	2.820	2.28E-12	LW-09/28/00-1	05-Apr-07
19-Oct-00	9/29/2000	I-125	5.308	5.06E-12	LW-10/19/00-1	
01-Dec-00	11/7/2000	I-125	3.805	6.19E-12	LW-12/01/00-1	05-Apr-07
23-Feb-01	2/5/2001	I-125	8.820	3.50E-11	LW-02/23/01-1	
24-Aug-01	4/13/2001	I-125	0.158	4.24E-12	SW-08/24/01-1	
13-Jun-01	5/4/2001	I-125	6.664	9.25E-11	LW-06/13/01-1	
30-Nov-01	11/2/2001	I-125	0.288	5.26E-11	SW-11/30/01-1	
21-Sep-04	2/10/2004	I-125	5.340	1.81E-05	LW-09/21/04-1	
02-Dec-04	3/17/2004	I-125	0.046	3.71E-06	SW-12/02/04-1	
21-Sep-04	6/17/2004	I-125	0.041	1.97E-06	SW-09/21/04-1	
27-Jul-05	8/23/2004	I-125	2.099	1.45E-03	SW-07/27/05-1	
06-Jun-05	11/28/2004	I-125	0.058	2.24E-05	SW-06/06/05-1	
30-Dec-04	12/1/2004	I-125	0.085	2.18E-05	SW-12/30/04-1	
18-Feb-05	1/14/2005	I-125	0.045	5.58E-06	SW-02/18/05-1	
08-Apr-05	1/14/2005	I-125	0.437	9.11E-05	SW-04/08/05-1	
15-Jun-05	2/28/2005	Seeds	430.600	2.55E-01	LW-06/15/05-1	
21-Sep-04		P-33	0.450	1.38E-10	SW-09/21/04-1	07-Dec-06
06-Jun-05		P-33	3.570	3.38E-08	SW-06/06/05-1	
27-Jul-05		P-33	4.105	2.18E-07	SW-07/27/05-1	
19-Oct-00		S-35	16.700	1.03E-07	LW-10/19/00-1	
		I-125				
		Seeds	104.200	2.77E-03	LW-09/21/04-1	
		P-33	0.462	1.21E-25	SW-08/24/01-1	
		P-33	0.680	1.00E-23	SW-11/30/01-1	
02-Dec-04		P-33	1.950	1.51E-09	SW-12/02/04-1	
18-Feb-05		P-33	0.745	3.24E-10	SW-02/18/05-1	
08-Apr-05		P-33	2.260	3.33E-09	SW-04/08/05-1	
		Pd-103				
		Seeds	65.900	5.59E-15	LW-09/21/04-1	
		Pd-103				
15-Jun-05		Seeds	569.600	2.63E-09	LW-06/15/05-1	
		S-35	11.600	7.20E-08	LW-05/26/00-1	
		S-35	29.600	1.42E-07	LW-09/28/00-1	
		S-35	8.000	7.74E-08	LW-12/01/00-1	
		S-35	1.000	1.68E-08	LW-02/23/01-1	
		S-35	28.000	1.01E-06	LW-06/13/01-1	
15-Jun-05		S-35	53.724	1.96E-01	LW-06/15/05-1	

Chronological by opening date of barrel

Total for Period

Yrs: '2000-2006	Total (mCi)
I-125	41.813
P-33	30.922
S-35	131.924
Pd-103 Seeds	635.5
I-125 Seeds	534.800

SW072705

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description
27-Jul-05	05609	6/8/2005	I-125	0.001	5.46E-07	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05610	6/8/2005	I-125	0.01	5.46E-06	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05612	6/10/2005	I-125	0.005	2.79E-06	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05613	6/10/2005	I-125	0.05	2.79E-05	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05622	6/17/2005	I-125	0.001	6.06E-07	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05623	6/17/2005	I-125	0.001	6.06E-07	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	06385	8/23/2004	I-125	0.007	1.33E-07	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05631	6/29/2005	I-125	2	1.39E-03	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05632	7/1/2005	I-125	0.006	4.28E-06	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05635	7/7/2005	I-125	0.005	3.82E-06	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05636	7/14/2005	I-125	0.001	8.30E-07	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05639	7/15/2005	I-125	0.01	8.40E-06	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05643	7/15/2005	I-125	0.001	8.40E-07	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05624	6/17/2005	I-125	0.001	6.06E-07	SW-07/27/05-1		Short Waste	Transfer Station
				2.099	1.45E-03				
27-Jul-05	05630	6/29/2005	P-33	0.3845	1.45E-08	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05611	6/9/2005	P-33	0.73	1.59E-08	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05573	6/8/2005	P-33	0.36	7.62E-09	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05629	6/24/2005	P-33	0.13	4.26E-09	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05644	7/21/2005	P-33	0.5	3.43E-08	SW-07/27/05-1		Short Waste	Transfer Station
27-Jul-05	05647	7/22/2005	P-33	2	1.41E-07	SW-07/27/05-1		Short Waste	Transfer Station
				4.1045	2.18E-07				

Seattle

LW061505

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
15-Jun-05	05615	6/15/2005	I-125 Seeds	430.6 430.6	2.55E-01 2.55E-01	LW-06/15/05-1		Long Waste	Transfer Station	Move to TS on teardown of WA3
15-Jun-05	05616	6/15/2005	Pd-103 Seeds	569.6 569.6	2.63E-09 2.63E-09	LW-06/15/05-1		Long Waste	Transfer Station	Move to TS on teardown of WA3
15-Jun-05	05590	5/20/2005	S-35	4	2.05E-02	LW-06/15/05-1		Long Waste	Transfer Station	Move to TS on teardown of WA3
15-Jun-05	05585	5/13/2005	S-35	0.875	4.25E-03	LW-06/15/05-1		Long Waste	Transfer Station	Move to TS on teardown of WA3
15-Jun-05	05580	5/4/2005	S-35	3	1.36E-02	LW-06/15/05-1		Long Waste	Transfer Station	Move to TS on teardown of WA3
15-Jun-05	05578	4/28/2005	S-35	7	3.02E-02	LW-06/15/05-1		Long Waste	Transfer Station	Move to TS on teardown of WA3
15-Jun-05	05559	4/15/2005	S-35	1.88	7.32E-03	LW-06/15/05-1		Long Waste	Transfer Station	Move to TS on teardown of WA3
15-Jun-05	05558	4/8/2005	S-35	14	5.15E-02	LW-06/15/05-1		Long Waste	Transfer Station	Move to TS on teardown of WA3
15-Jun-05	05555	4/8/2005	S-35	3.673	1.35E-02	LW-06/15/05-1		Long Waste	Transfer Station	Move to TS on teardown of WA3
15-Jun-05	05554	4/8/2005	S-35	0.001	3.68E-06	LW-06/15/05-1		Long Waste	Transfer Station	Move to TS on teardown of WA3
15-Jun-05	05530	3/31/2005	S-35	0.015	5.18E-05	LW-06/15/05-1		Long Waste	Transfer Station	Move to TS on teardown of WA3
15-Jun-05	05529	3/31/2005	S-35	3.92	1.35E-02	LW-06/15/05-1		Long Waste	Transfer Station	Move to TS on teardown of WA3
15-Jun-05	05525	3/18/2005	S-35	0.76	2.37E-03	LW-06/15/05-1		Long Waste	Transfer Station	Move to TS on teardown of WA3
15-Jun-05	05510	2/28/2005	S-35	7.6	2.05E-02	LW-06/15/05-1		Long Waste	Transfer Station	Move to TS on teardown of WA3
15-Jun-05	05509	2/28/2005	S-35	7 53.724	1.89E-02 1.96E-01	LW-06/15/05-1		Long Waste	Transfer Station	Move to TS on teardown of WA3

Seattle

SW060605

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
06-Jun-05	05608	6/6/2005	I-125	0.0039	2.08E-06	SW-06/06/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
06-Jun-05	05607	6/3/2005	I-125	0.001	5.15E-07	SW-06/06/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
06-Jun-05	05606	6/3/2005	I-125	0.001	5.15E-07	SW-06/06/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
06-Jun-05	05605	6/3/2005	I-125	0.008	4.12E-06	SW-06/06/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
06-Jun-05	05603	5/27/2005	I-125	0.0003	1.42E-07	SW-06/06/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
06-Jun-05	05601	5/23/2005	I-125	0.009	4.08E-06	SW-06/06/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
06-Jun-05	05584	5/13/2005	I-125	0.004	1.61E-06	SW-06/06/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
06-Jun-05	05572	4/28/2005	I-125	0.0025	8.47E-07	SW-06/06/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
06-Jun-05	05563	4/22/2005	I-125	0.004	1.26E-06	SW-06/06/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
06-Jun-05	05562	4/22/2005	I-125	0.0037	1.17E-06	SW-06/06/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
06-Jun-05	05557	4/14/2005	I-125	0.021	6.05E-06	SW-06/06/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
				0.0584	2.24E-05					
06-Jun-05	05589	5/20/2005	P-33	2	2.52E-08	SW-06/06/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
06-Jun-05	05581	5/6/2005	P-33	1	8.58E-09	SW-06/06/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
06-Jun-05	05575	11/28/2004	P-33	0.57	6.32E-11	SW-06/06/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
				3.57	3.38E-08					

Seattle

SW040805

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
08-Apr-05	06494	2/15/2005	I-125	0.0005	7.33E-08	SW-04/08/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
08-Apr-05	06469	1/14/2005	I-125	0.0084	8.49E-07	SW-04/08/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
08-Apr-05	05552	4/8/2005	I-125	0.001	2.69E-07	SW-04/08/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
08-Apr-05	05551	4/8/2005	I-125	0.001	2.69E-07	SW-04/08/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
08-Apr-05	05550	4/8/2005	I-125	0.001	2.69E-07	SW-04/08/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
08-Apr-05	05547	4/8/2005	I-125	0.0094	2.52E-06	SW-04/08/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
08-Apr-05	05533	4/1/2005	I-125	0.008	1.98E-06	SW-04/08/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
08-Apr-05	05528	3/25/2005	I-125	0.008	1.83E-06	SW-04/08/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
08-Apr-05	055272	3/25/2005	I-125	0.01	2.28E-06	SW-04/08/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
08-Apr-05	05523	3/17/2005	I-125	0.38	7.90E-05	SW-04/08/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
08-Apr-05	05511	3/4/2005	I-125	0.01 0.4373	1.79E-06 9.11E-05	SW-04/08/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3

Seattle

SW040805

08-Apr-05	05513	3/4/2005	P-33	2	3.06E-09	SW-04/08/05-1	Short Waste	Transfer Station	Move to TS on teardown of WA3
08-Apr-05	05501	2/17/2005	P-33	0.26	2.64E-10	SW-04/08/05-1	Short Waste	Transfer Station	Move to TS on teardown of WA3
				2.26	3.33E-09				

Seattle

LW021805

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
18-Feb-05	06667	12/27/2004	I-125	0.1	9.32E-06	LW-02/18/05-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
18-Feb-05	06476	1/14/2005	I-125	0.42	4.83E-05	LW-02/18/05-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
18-Feb-05	06428	11/26/2004	I-125	0.2	1.30E-05	LW-02/18/05-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
				0.72	7.06E-05					
18-Feb-05	06457	12/14/2004	I-125 Seeds	157.4	1.26E-02	LW-02/18/05-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
18-Feb-05	05503	2/18/2005	I-125 Seeds	250.3	4.32E-02	LW-02/18/05-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
				407.7	5.58E-02					
18-Feb-05	06458	12/14/2004	Pd-103 Seeds	43.1	1.77E-13	LW-02/18/05-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
18-Feb-05	05504	2/18/2005	Pd-103 Seeds	72.8	4.43E-12	LW-02/18/05-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
				115.9	4.61E-12					
18-Feb-05	06475	1/14/2005	S-35	0.5	1.03E-03	LW-02/18/05-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
18-Feb-05	06456	12/14/2004	S-35	0.3	4.84E-04	LW-02/18/05-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
18-Feb-05	06455	12/13/2004	S-35	0.01	1.60E-05	LW-02/18/05-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
18-Feb-05	06454	12/13/2004	S-35	0.01	1.60E-05	LW-02/18/05-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
18-Feb-05	06453	12/13/2004	S-35	0.01	1.60E-05	LW-02/18/05-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
18-Feb-05	06452	12/13/2004	S-35	0.01	1.60E-05	LW-02/18/05-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
18-Feb-05	06451	12/13/2004	S-35	0.01	1.60E-05	LW-02/18/05-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
18-Feb-05	06420	11/12/2004	S-35	0.03	3.76E-05	LW-02/18/05-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
				0.88	1.63E-03					

Seattle

SW021805

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
18-Feb-05	06491	2/12/2005	I-125	0.005	7.08E-07	SW-02/18/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
18-Feb-05	06490	2/12/2005	I-125	0.0034	4.82E-07	SW-02/18/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
18-Feb-05	06489	2/11/2005	I-125	0.011	1.54E-06	SW-02/18/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
18-Feb-05	06486	2/3/2005	I-125	0.001	1.28E-07	SW-02/18/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
18-Feb-05	06485	2/3/2005	I-125	0.001	1.28E-07	SW-02/18/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
18-Feb-05	06484	2/3/2005	I-125	0.001	1.28E-07	SW-02/18/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
18-Feb-05	06483	2/3/2005	I-125	0.007	8.93E-07	SW-02/18/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
18-Feb-05	06478	1/21/2005	I-125	0.006	6.58E-07	SW-02/18/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
18-Feb-05	06468	1/14/2005	I-125	0.0084	8.49E-07	SW-02/18/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
18-Feb-05	06432	12/4/2004	I-125	0.001 0.0448	6.28E-08 5.58E-06	SW-02/18/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
18-Feb-05	06466	1/17/2005	P-33	0.745 0.745	3.24E-10 3.24E-10	SW-02/18/05-1		Short Waste	Transfer Station	Move to TS on teardown of WA3

Seattle

SW123004

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
30-Dec-04	06462	12/21/2004	I-125	0.015	4.42E-06	SW-12/30/04-1		Short Waste Station	Transfer	Move to TS on teardown of WA3
30-Dec-04	06460	12/17/2004	I-125	0.001	2.81E-07	SW-12/30/04-1		Short Waste Station	Transfer	Move to TS on teardown of WA3
30-Dec-04	06459	12/17/2004	I-125	0.001	2.81E-07	SW-12/30/04-1		Short Waste Station	Transfer	Move to TS on teardown of WA3
30-Dec-04	06446	12/8/2004	I-125	0.0054	1.37E-06	SW-12/30/04-1		Short Waste Station	Transfer	Move to TS on teardown of WA3
30-Dec-04	06445	12/8/2004	I-125	0.0054	1.37E-06	SW-12/30/04-1		Short Waste Station	Transfer	Move to TS on teardown of WA3
30-Dec-04	06444	12/10/2004	I-125	0.0145	3.76E-06	SW-12/30/04-1		Short Waste Station	Transfer	Move to TS on teardown of WA3
30-Dec-04	06439	12/6/2004	I-125	0.001	2.48E-07	SW-12/30/04-1		Short Waste Station	Transfer	Move to TS on teardown of WA3
30-Dec-04	06438	12/3/2004	I-125	0.02	4.78E-06	SW-12/30/04-1		Short Waste Station	Transfer	Move to TS on teardown of WA3
30-Dec-04	06437	12/3/2004	I-125	0.02	4.78E-06	SW-12/30/04-1		Short Waste Station	Transfer	Move to TS on teardown of WA3
30-Dec-04	06434	12/1/2004	I-125	0.001	2.34E-07	SW-12/30/04-1		Short Waste Station	Transfer	Move to TS on teardown of WA3
30-Dec-04	06431	12/1/2004	I-125	0.001	2.34E-07	SW-12/30/04-1		Short Waste Station	Transfer	Move to TS on teardown of WA3
				0.0853	2.18E-05					

Seattle

SW120204

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
02-Dec-04	06662	9/26/2004	I-125	0.00025	2.71E-08	SW-12/02/04-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
02-Dec-04	06433	12/1/2004	I-125	0.001	2.34E-07	SW-12/02/04-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
02-Dec-04	06424	11/19/2004	I-125	0.009	1.83E-06	SW-12/02/04-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
02-Dec-04	06422	11/18/2004	I-125	0.001	2.01E-07	SW-12/02/04-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
02-Dec-04	06414	10/25/2004	I-125	0.001	1.52E-07	SW-12/02/04-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
02-Dec-04	06404	9/30/2004	I-125	0.0043	4.88E-07	SW-12/02/04-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
02-Dec-04	06403	9/30/2004	I-125	0.0043	4.88E-07	SW-12/02/04-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
02-Dec-04	06296	3/17/2004	I-125	0.025 0.04585	2.87E-07 3.71E-06	SW-12/02/04-1		Short Waste	Transfer Station	Move to TS on teardown of WA3
02-Dec-04	06412	10/14/2004	P-33	1.95 1.95	1.51E-09 1.51E-09	SW-12/02/04-1		Short Waste	Transfer Station	Move to TS on teardown of WA3

Seattle

SW092104

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
21-Sep-04	06390	9/3/2004	I-125	0.005	4.15E-07	SW-09/21/04-1	07-Dec-06	Short Waste	Transfer Station	Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr;
21-Sep-04	06381	8/11/2004	I-125	0.001	6.35E-08	SW-09/21/04-1	07-Dec-06	Short Waste	Transfer Station	Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr;
21-Sep-04	06380	8/11/2004	I-125	0.001	6.35E-08	SW-09/21/04-1	07-Dec-06	Short Waste	Transfer Station	Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr;
21-Sep-04	06379	8/11/2004	I-125	0.001	6.35E-08	SW-09/21/04-1	07-Dec-06	Short Waste	Transfer Station	Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr;
21-Sep-04	06378	8/11/2004	I-125	0.001	6.35E-08	SW-09/21/04-1	07-Dec-06	Short Waste	Transfer Station	Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr;
21-Sep-04	06377	8/11/2004	I-125	0.001	6.35E-08	SW-09/21/04-1	07-Dec-06	Short Waste	Transfer Station	Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr;
21-Sep-04	06365	6/24/2004	I-125	0.0045	1.64E-07	SW-09/21/04-1	07-Dec-06	Short Waste	Transfer Station	Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr;
21-Sep-04	06364	6/18/2004	I-125	0.002	6.78E-08	SW-09/21/04-1	07-Dec-06	Short Waste	Transfer Station	Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr;

SW092104

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
21-Sep-04	06359	6/17/2004	I-125	0.001	3.35E-08	SW-09/21/04-1	07-Dec-06	Short Waste	Transfer Station	Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr; Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr;
21-Sep-04	06358	6/17/2004	I-125	0.0032	1.07E-07	SW-09/21/04-1	07-Dec-06	Short Waste	Transfer Station	Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr; Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr;
21-Sep-04	06336 7	7/9/2004	I-125	0.02 0.0407	8.65E-07 1.97E-06	SW-09/21/04-1	07-Dec-06	Short Waste	Transfer Station	Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr;
21-Sep-04	06399	9/16/2004	P-33	0.25	8.99E-11	SW-09/21/04-1	07-Dec-06	Short Waste	Transfer Station	Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr; Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr;
21-Sep-04	06389	9/1/2004	P-33	0.2 0.45	4.77E-11 1.38E-10	SW-09/21/04-1	07-Dec-06	Short Waste	Transfer Station	Move to TS on teardown of WA3. Surveyed and disposed 12/07/06. Bkg rate: 0.01-0.02 mR/hr, highest reading: 0.01-0.02 mR/hr;

LW092104

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
21-Sep-04	06660	3/24/2004	I-125	1	3.23E-06	LW-09/21/04-1		Long Waste	Transfer Station	Note: Waste Tag #06655 contains lead pigs. These must be surveyed and disposed as hazardous waste after radioactive decay.
21-Sep-04	06659	3/26/2004	I-125	0.1	3.31E-07	LW-09/21/04-1		Long Waste	Transfer Station	Note: Waste Tag #06655 contains lead pigs. These must be surveyed and disposed as hazardous waste after radioactive decay.
21-Sep-04	06657 A	3/28/2004	I-125	2	6.78E-06	LW-09/21/04-1		Long Waste	Transfer Station	Note: Waste Tag #06655 contains lead pigs. These must be surveyed and disposed as hazardous waste after radioactive decay.
21-Sep-04	06655	3/19/2004	I-125	0.3	9.15E-07	LW-09/21/04-1		Long Waste	Transfer Station	Note: Waste Tag #06655 contains lead pigs. These must be surveyed and disposed as hazardous waste after radioactive decay.
21-Sep-04	06643	2/10/2004	I-125	1	1.96E-06	LW-09/21/04-1		Long Waste	Transfer Station	Note: Waste Tag #06655 contains lead pigs. These must be surveyed and disposed as hazardous waste after radioactive decay.
21-Sep-04	06351	6/8/2004	I-125	0.2	1.57E-06	LW-09/21/04-1		Long Waste	Transfer Station	Note: Waste Tag #06655 contains lead pigs. These must be surveyed and disposed as hazardous waste after radioactive decay.
21-Sep-04	06346	5/19/2004	I-125	0.09	5.58E-07	LW-09/21/04-1		Long Waste	Transfer Station	Note: Waste Tag #06655 contains lead pigs. These must be surveyed and disposed as hazardous waste after radioactive decay.
21-Sep-04	06342	5/11/2004	I-125	0.4	2.26E-06	LW-09/21/04-1		Long Waste	Transfer Station	Note: Waste Tag #06655 contains lead pigs. These must be surveyed and disposed as hazardous waste after radioactive decay.
21-Sep-04	06279	2/13/2004	I-125	0.25 5.34	5.08E-07 1.81E-05	LW-09/21/04-1		Long Waste	Transfer Station	Note: Waste Tag #06655 contains lead pigs. These must be surveyed and disposed as hazardous waste after radioactive decay.
21-Sep-04	06400	9/21/2004	I-125 Seeds	104.2 104.2	2.77E-03 2.77E-03	LW-09/21/04-1		Long Waste	Transfer Station	Note: Waste Tag #06655 contains lead pigs. These must be surveyed and disposed as hazardous waste after radioactive decay.
21-Sep-04	06401	9/21/2004	Pd-103 Seeds	65.9 65.9	5.59E-15 5.59E-15	LW-09/21/04-1		Long Waste	Transfer Station	Note: Waste Tag #06655 contains lead pigs. These must be surveyed and disposed as hazardous waste after radioactive decay.
21-Sep-04	06383	8/12/2004	S-35	0.2	1.11E-04	LW-09/21/04-1		Long Waste	Transfer Station	Note: Waste Tag #06655 contains lead pigs. These must be surveyed and disposed as hazardous waste after radioactive decay.
21-Sep-04	06370	7/15/2004	S-35	1.8	7.98E-04	LW-09/21/04-1		Long Waste	Transfer Station	Note: Waste Tag #06655 contains lead pigs. These must be surveyed and disposed as hazardous waste after radioactive decay.
21-Sep-04	06352	6/8/2004	S-35	2.15	7.11E-04	LW-09/21/04-1		Long Waste	Transfer Station	Note: Waste Tag #06655 contains lead pigs. These must be surveyed and disposed as hazardous waste after radioactive decay.
21-Sep-04	06338	5/3/2004	S-35	0.205 4.355	5.10E-05 1.67E-03	LW-09/21/04-1		Long Waste	Transfer Station	Note: Waste Tag #06655 contains lead pigs. These must be surveyed and disposed as hazardous waste after radioactive decay.

SW113001

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
30-Nov-01	03713	11/3/2001	I-125	0.032	4.64E-12	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
30-Nov-01	03697	11/2/2001	I-125	0.001	1.43E-13	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
30-Nov-01	03698	11/2/2001	I-125	0.00025	3.58E-14	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
30-Nov-01	03699	11/2/2001	I-125	0.0025	3.58E-13	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
30-Nov-01	03710	11/30/2001	I-125	0.064	1.27E-11	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
30-Nov-01	03696	11/2/2001	I-125	0.007	1.00E-12	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
30-Nov-01	03712	11/30/2001	I-125	0.064	1.27E-11	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
30-Nov-01	04962	11/6/2001	I-125	0.045	6.75E-12	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
30-Nov-01	03714	11/30/2001	I-125	0.001	1.98E-13	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
30-Nov-01	03715	11/30/2001	I-125	0.002	3.97E-13	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
30-Nov-01	03716	11/30/2001	I-125	0.001	1.98E-13	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
30-Nov-01	03717	11/30/2001	I-125	0.001	1.98E-13	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
30-Nov-01	03718	11/30/2001	I-125	0.001	1.98E-13	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
30-Nov-01	03719	11/30/2001	I-125	0.002	3.97E-13	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
30-Nov-01	03711	11/30/2001	I-125	0.064	1.27E-11	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
				0.28775	5.26E-11					
30-Nov-01	03707	11/29/2001	P-33	0.68	1.00E-23	SW-11/30/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
				0.68	1.00E-23					

Seattle

SW082401

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
24-Aug-01	03647	8/24/2001	I-125	0.001	3.85E-14	SW-08/24/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
24-Aug-01	03646	8/24/2001	I-125	0.001	3.85E-14	SW-08/24/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
24-Aug-01	03645	8/24/2001	I-125	0.003	1.15E-13	SW-08/24/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
24-Aug-01	03639	8/10/2001	I-125	0.001	3.27E-14	SW-08/24/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
24-Aug-01	03630	7/27/2001	I-125	0.012	3.33E-13	SW-08/24/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
24-Aug-01	03629	7/27/2001	I-125	0.012	3.33E-13	SW-08/24/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
24-Aug-01	03628	7/27/2001	I-125	0.048	1.33E-12	SW-08/24/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
24-Aug-01	03627	7/27/2001	I-125	0.048	1.33E-12	SW-08/24/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
24-Aug-01	03517	6/15/2001	I-125	0.01	1.70E-13	SW-08/24/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
24-Aug-01	03483	4/13/2001	I-125	0.008	6.55E-14	SW-08/24/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
24-Aug-01	03445	8/10/2001	I-125	0.0137 0.1577	4.48E-13 4.24E-12	SW-08/24/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
24-Aug-01	03644	8/24/2001	P-33	0.361	1.15E-25	SW-08/24/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
24-Aug-01	03633	8/3/2001	P-33	0.001	1.80E-28	SW-08/24/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3
24-Aug-01	03506	6/21/2001	P-33	0.1 0.462	5.54E-27 1.21E-25	SW-08/24/01-1		Short Waste	Waste Area 2	Move to WA2 on teardown of WA3

Seattle

LW061301

Date Sealed	Tag #	Date	Isotope	Amount In mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
13-Jun-01	04911	6/12/2001	I-125	1	1.65E-11	LW-06/13/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
13-Jun-01	04910	5/23/2001	I-125	3.2	4.17E-11	LW-06/13/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
13-Jun-01	04909	5/22/2001	I-125	1	1.29E-11	LW-06/13/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
13-Jun-01	03556	5/11/2001	I-125	0.024	2.72E-13	LW-06/13/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
13-Jun-01	03550	5/18/2001	I-125	0.06	7.38E-13	LW-06/13/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
13-Jun-01	03519	6/12/2001	I-125	1	1.65E-11	LW-06/13/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
13-Jun-01	03497	5/4/2001	I-125	0.38	3.97E-12	LW-06/13/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
				6.664	9.25E-11					
13-Jun-01	03554	5/16/2001	S-35	28	1.01E-06	LW-06/13/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
				28	1.01E-06					

Seattle

LW022301

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
23-Feb-01	04891	2/20/2001	I-125	0.5	2.24E-12	LW-02/23/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
23-Feb-01	04889	2/13/2001	I-125	1.8	7.42E-12	LW-02/23/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
23-Feb-01	04888	2/12/2001	I-125	0.6	2.45E-12	LW-02/23/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
23-Feb-01	04887	2/7/2001	I-125	0.135	5.19E-13	LW-02/23/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
23-Feb-01	04886	2/10/2001	I-125	0.1	3.98E-13	LW-02/23/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
23-Feb-01	04885	2/7/2001	I-125	0.135	5.19E-13	LW-02/23/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
23-Feb-01	04884	2/5/2001	I-125	3.6	1.35E-11	LW-02/23/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
23-Feb-01	03436	2/23/2001	I-125	0.6	2.78E-12	LW-02/23/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
23-Feb-01	03431	2/9/2001	I-125	0.15	5.91E-13	LW-02/23/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
23-Feb-01	03429	2/5/2001	I-125	1.2	4.51E-12	LW-02/23/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
				8.82	3.50E-11					
23-Feb-01	03433	2/9/2001	S-35	1	1.68E-08	LW-02/23/01-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
				1	1.68E-08					

Seattle

LW120100

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
01-Dec-00	04849	12/1/2000	I-125	0.09	1.57E-13	LW-12/01/00-1	05-Apr-07	Long Waste	2	Move to WA2 on teardown of WA3. Surveyed and disposed 4/05/05 Bkg: 6uR/hr; highest reading 6uR/hr Ludlum 19.
01-Dec-00	04848	11/29/2000	I-125	0.115	1.96E-13	LW-12/01/00-1	05-Apr-07	Long Waste	2	Move to WA2 on teardown of WA3. Surveyed and disposed 4/05/05 Bkg: 6uR/hr; highest reading 6uR/hr Ludlum 19.
01-Dec-00	04847	11/28/2000	I-125	1	1.68E-12	LW-12/01/00-1	05-Apr-07	Long Waste	2	Move to WA2 on teardown of WA3. Surveyed and disposed 4/05/05 Bkg: 6uR/hr; highest reading 6uR/hr Ludlum 19.
01-Dec-00	04846	11/27/2000	I-125	0.05	8.33E-14	LW-12/01/00-1	05-Apr-07	Long Waste	2	Move to WA2 on teardown of WA3. Surveyed and disposed 4/05/05 Bkg: 6uR/hr; highest reading 6uR/hr Ludlum 19.
01-Dec-00	04845	11/27/2000	I-125	1.8	3.00E-12	LW-12/01/00-1	05-Apr-07	Long Waste	2	Move to WA2 on teardown of WA3. Surveyed and disposed 4/05/05 Bkg: 6uR/hr; highest reading 6uR/hr Ludlum 19.
01-Dec-00	04844	11/21/2000	I-125	0.07	1.09E-13	LW-12/01/00-1	05-Apr-07	Long Waste	2	Move to WA2 on teardown of WA3. Surveyed and disposed 4/05/05 Bkg: 6uR/hr; highest reading 6uR/hr Ludlum 19.
01-Dec-00	04843	11/17/2000	I-125	0.15	2.22E-13	LW-12/01/00-1	05-Apr-07	Long Waste	2	Move to WA2 on teardown of WA3. Surveyed and disposed 4/05/05 Bkg: 6uR/hr; highest reading 6uR/hr Ludlum 19.
01-Dec-00	04841	11/15/2000	I-125	0.07	1.01E-13	LW-12/01/00-1	05-Apr-07	Long Waste	2	Move to WA2 on teardown of WA3. Surveyed and disposed 4/05/05 Bkg: 6uR/hr; highest reading 6uR/hr Ludlum 19.

LW120100

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
01-Dec-00	04840	11/14/2000	I-125	0.08	1.15E-13	LW-12/01/00-1	05-Apr-07	Long Waste	Waste Area 2	Move to WA2 on teardown of WA3. Surveyed and disposed 4/05/05 Bkg: 6uR/hr; highest reading 6uR/hr Ludlum 19.
01-Dec-00	04839	11/14/2000	I-125	0.2	2.86E-13	LW-12/01/00-1	05-Apr-07	Long Waste	Waste Area 2	Move to WA2 on teardown of WA3. Surveyed and disposed 4/05/05 Bkg: 6uR/hr; highest reading 6uR/hr Ludlum 19.
01-Dec-00	04838	11/8/2000	I-125	0.18 3.805	2.40E-13 6.19E-12	LW-12/01/00-1	05-Apr-07	Long Waste	Waste Area 2	Move to WA2 on teardown of WA3. Surveyed and disposed 4/05/05 Bkg: 6uR/hr; highest reading 6uR/hr Ludlum 19.
01-Dec-00	03395	12/1/2000	S-35	8	7.74E-08	LW-12/01/00-1	05-Apr-07	Long Waste	Waste Area 2	Move to WA2 on teardown of WA3. Surveyed and disposed 4/05/05 Bkg: 6uR/hr; highest reading 6uR/hr Ludlum 19.
01-Dec-00	03381	11/7/2000	S-35	0.0001 8.0001	8.79E-13 7.74E-08	LW-12/01/00-1	05-Apr-07	Long Waste	Waste Area 2	Move to WA2 on teardown of WA3. Surveyed and disposed 4/05/05 Bkg: 6uR/hr; highest reading 6uR/hr Ludlum 19.

LW101900

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
19-Oct-00	04828	10/18/2000	I-125	1	1.05E-12	LW-10/19/00-1		Long Waste	Waste Area Move to WA2 on 2 teardown of WA3	
19-Oct-00	04827	10/16/2000	I-125	0.075	7.66E-14	LW-10/19/00-1		Long Waste	Waste Area Move to WA2 on 2 teardown of WA3	
19-Oct-00	04826	10/12/2000	I-125	1.7826	1.74E-12	LW-10/19/00-1		Long Waste	Waste Area Move to WA2 on 2 teardown of WA3	
19-Oct-00	04825	10/10/2000	I-125	0.2	1.91E-13	LW-10/19/00-1		Long Waste	Waste Area Move to WA2 on 2 teardown of WA3	
19-Oct-00	04824	10/4/2000	I-125	1.75	1.56E-12	LW-10/19/00-1		Long Waste	Waste Area Move to WA2 on 2 teardown of WA3	
19-Oct-00	03366	10/6/2000	I-125	0.5 5.3076	4.55E-13 5.06E-12	LW-10/19/00-1		Long Waste	Waste Area Move to WA2 on 2 teardown of WA3	
19-Oct-00	03367	10/12/2000	S-35	0.7	4.55E-09	LW-10/19/00-1		Long Waste	Waste Area Move to WA2 on 2 teardown of WA3	
19-Oct-00	03365	10/6/2000	S-35	14	8.68E-08	LW-10/19/00-1		Long Waste	Waste Area Move to WA2 on 2 teardown of WA3	
19-Oct-00	03364	10/6/2000	S-35	1	6.20E-09	LW-10/19/00-1		Long Waste	Waste Area Move to WA2 on 2 teardown of WA3	
19-Oct-00	03353	9/29/2000	S-35	1 16.7	5.87E-09 1.03E-07	LW-10/19/00-1		Long Waste	Waste Area Move to WA2 on 2 teardown of WA3	

Seattle

LW092800

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
28-Sep-00	04822	9/26/2000	I-125	0.07	5.73E-14	LW-09/28/00-1	05-Apr-07	Long Waste	Waste Area 2	Move to WA2 on teardown of WA3; Surveyed and disposed as ordinary trash 4/5/2007
28-Sep-00	04815	9/1/2000	I-125	0.14	8.57E-14	LW-09/28/00-1	05-Apr-07	Long Waste	Waste Area 2	Move to WA2 on teardown of WA3; Surveyed and disposed as ordinary trash 4/5/2007
28-Sep-00	04819	9/20/2000	I-125	0.16	1.22E-13	LW-09/28/00-1	05-Apr-07	Long Waste	Waste Area 2	Move to WA2 on teardown of WA3; Surveyed and disposed as ordinary trash 4/5/2007
28-Sep-00	03341	9/8/2000	I-125	0.25	1.66E-13	LW-09/28/00-1	05-Apr-07	Long Waste	Waste Area 2	Move to WA2 on teardown of WA3; Surveyed and disposed as ordinary trash 4/5/2007
28-Sep-00	03352	9/28/2000	I-125	2.2 2.82	1.84E-12 2.28E-12	LW-09/28/00-1	05-Apr-07	Long Waste	Waste Area 2	Move to WA2 on teardown of WA3; Surveyed and disposed as ordinary trash 4/5/2007
28-Sep-00	03348	9/22/2000	S-35	0.1	5.60E-10	LW-09/28/00-1	05-Apr-07	Long Waste	Waste Area 2	Move to WA2 on teardown of WA3; Surveyed and disposed as ordinary trash 4/5/2007

LW092800

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
28-Sep-00	03347	9/22/2000	S-35	0.5	2.80E-09	LW-09/28/00-1	05-Apr-07	Long Waste	2	Waste Area Move to WA2 on teardown of WA3; Surveyed and disposed as ordinary trash 4/5/2007
28-Sep-00	03346	9/22/2000	S-35	1	5.60E-09	LW-09/28/00-1	05-Apr-07	Long Waste	2	Waste Area Move to WA2 on teardown of WA3; Surveyed and disposed as ordinary trash 4/5/2007
28-Sep-00	03337	9/1/2000	S-35	28 29.6	1.33E-07 1.42E-07	LW-09/28/00-1	05-Apr-07	Long Waste	2	Waste Area Move to WA2 on teardown of WA3; Surveyed and disposed as ordinary trash 4/5/2007

LW052600

Date Sealed	Tag #	Date	Isotope	Amount in mCi	Current Activity	Drum Number	Date Disposed	Drum Description	Description	Notes
26-May-00	04775	5/26/2000	I-125	0.111	1.01E-13	LW-05/26/00-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
26-May-00	04774	5/17/2000	I-125	0.917	7.51E-13	LW-05/26/00-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
26-May-00	04773	5/11/2000	I-125	0.972	7.43E-13	LW-05/26/00-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
26-May-00	03261	5/11/2000	I-125	3.8	2.87E-12	LW-05/26/00-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
				5.8	4.46E-12					
26-May-00	03272	5/26/2000	S-35	8	4.96E-08	LW-05/26/00-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
26-May-00	03271	5/26/2000	S-35	3.6	2.23E-08	LW-05/26/00-1		Long Waste	Waste Area 2	Move to WA2 on teardown of WA3
				11.6	7.20E-08					

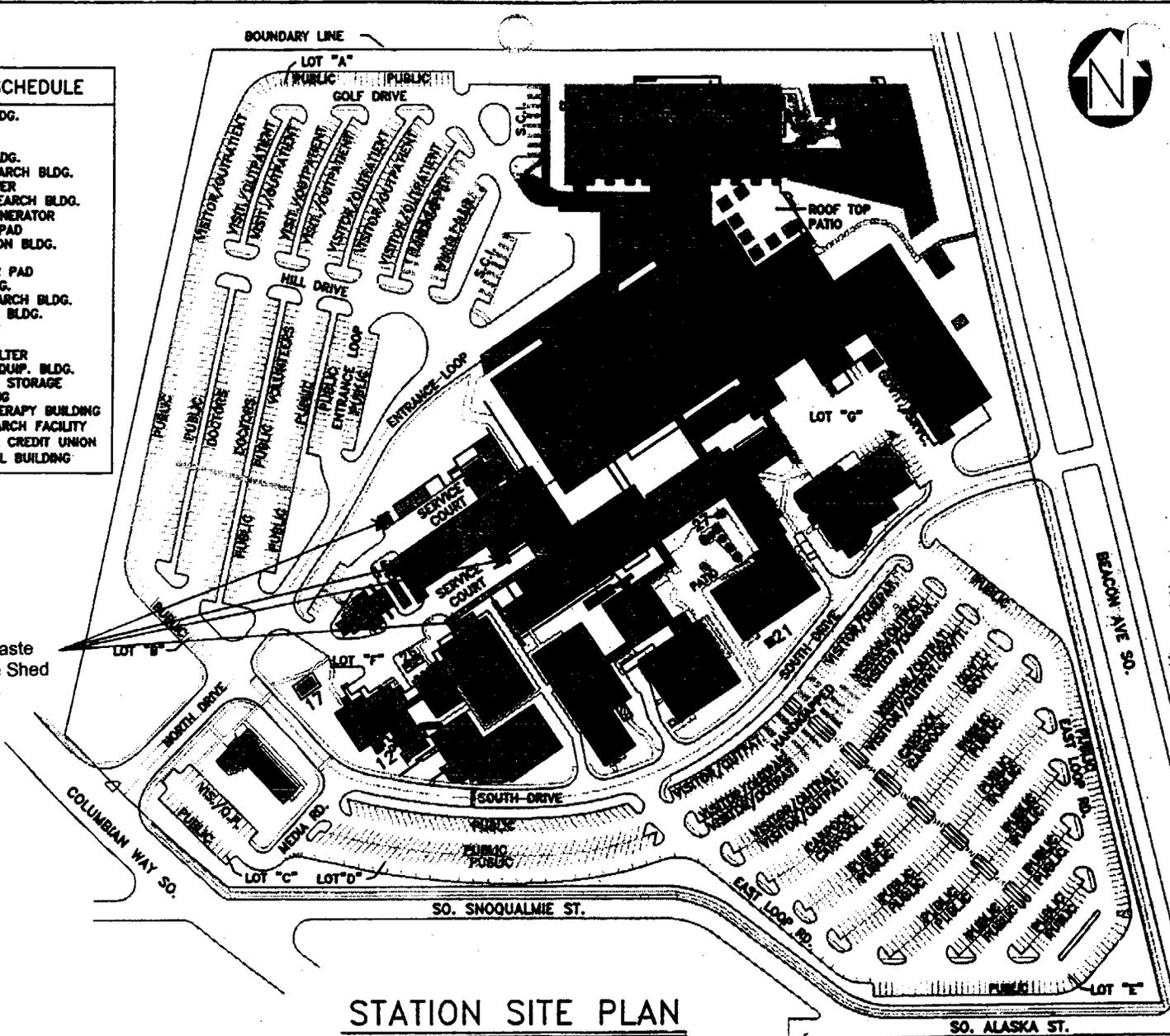
Seattle

one inch = two hundred feet

one inch = one hundred feet

BUILDING SCHEDULE

1. OLD MAIN BLDG.
2. FLAGPOLE
7. LODGING
8. RESEARCH BLDG.
11. ANIMAL RESEARCH BLDG.
12. COOLING TOWER
13. MEDICAL RESEARCH BLDG.
16. AUXILIARY GENERATOR
17. SWITCHGEAR PAD
18. ADMINISTRATION BLDG.
20. RETAIL STORE
21. TRANSFORMER PAD
22. CANTEEN BLDG.
23. ANIMAL RESEARCH BLDG.
24. TEMP. OFFICE BLDG.
25. SUB-STATION
26. SUB-STATION
27. SMOKING SHELTER
28. TELEPHONE EQUIP. BLDG.
30. RETAIL STORE STORAGE
31. M.R.I. BUILDING
33. RADIATION THERAPY BUILDING
34. ANIMAL RESEARCH FACILITY
35. N.W. FEDERAL CREDIT UNION
100. MAIN HOSPITAL BUILDING



STATION SITE PLAN

SCALE: 1" = 200'-0" DR'N.: J.C.S. DATE: 8-3-00

<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	REVISION							Drawing No. SITE PLAN	Project No. MAPING, SEATTLE CAMPUS	Date 8-3-00
	NO.	DATE	REVISION									
Drawing Title Prepared And Revised By JCS	Drawing Number ALL	Drawing Scale JCS	Drawing Sheet L-1									



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Nuclear Regulatory Commission
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