Quarterly Environmental Radiological Survey Summary

First Quarter 1993 100, 200, 300, and
600 Areas

S. M. McKinney

Date Published
April 1993

Prepared for the U.S. Department of Energy
Assistant Secretary for Environment,
Safety and Health

**Westinghouse
Hanford Company**

P.O. Box 1970
Richland, Washington 99352

Hanford Operations and Engineering Contractor for the
U.S. Department of Energy under Contract DE-AC06-87RL10930

Purpose and Use of Document This document was prepared for use within the U.S. Department of Energy and its contractors. It is to be used only to perform, direct, or integrate work under U.S. Department of Energy contracts. **This document is not approved for public release until reviewed.**

Patent Status This document copy, since it is transmitted in advance of patent clearance, is made available in confidence solely for use in performance of work under contracts with the U.S. Department of Energy. This document is not to be published nor its contents otherwise disseminated or used for purposes other than specified above before patent approval for such release or use has been secured, upon request, from the Patent Counsel, U.S. Department of Energy Richland Field Office, Richland, WA.

MASTER

Approved for Sponsor

REPRODUCTION OF THIS DOCUMENT IS UNLIMITED

rb

Date Received: 4/29/93 <i>EMB</i>		INFORMATION RELEASE REQUEST		Reference: WHC-CM-3-4	
Complete for all Types of Release					
Purpose ☐ Speech or Presentation ☐ Full Paper (Check only one suffix) ☐ Summary ☐ Abstract ☐ Visual Aid ☐ Speakers Bureau ☐ Poster Session ☐ Videotape			☐ Reference ☒ Technical Report ☐ Thesis or Dissertation ☐ Manual ☐ Brochure/Flier ☐ Software/Database ☐ Controlled Document ☐ Other		
			ID Number (include revision, volume, etc.) WHC-SP-0665-8		
			List attachments. N/A		
			Date Release Required 04/31/93		
Title QUARTERLY ENVIRONMENTAL RADIOLOGICAL SURVEY SUMMARY				Unclassified Category UC-600	
				Impact Level	
New or novel (patentable) subject matter? ☒ No ☐ Yes If "Yes", has disclosure been submitted by WHC or other company? ☐ No ☐ Yes Disclosure No(s).			Information received from others in confidence, such as proprietary data, trade secrets, and/or inventions? ☒ No ☐ Yes (Identify)		
Copyrights? ☒ No ☐ Yes If "Yes", has written permission been granted? ☐ No ☐ Yes (Attach Permission)			Trademarks? ☒ No ☐ Yes (Identify)		
Complete for Speech or Presentation					
Title of Conference or Meeting N/A			Group or Society Sponsoring N/A		
Date(s) of Conference or Meeting N/A		City/State N/A		Will proceedings be published? ☐ Yes ☐ No Will material be handed out? ☐ Yes ☐ No	
Title of Journal N/A					
CHECKLIST FOR SIGNATORIES					
Review Required per WHC-CM-3-4		Yes		No	
				Reviewer - Signature Indicates Approval	
				Name (printed) Signature Date	
Classification/Unclassified Controlled		☐ Yes ☒ No			
Nuclear Information		☐ Yes ☒ No			
Patent - General Counsel		☐ Yes ☒ No			
Legal - General Counsel		☐ Yes ☒ No			
Applied Technology/Export Controlled		☐ Yes ☒ No			
Information or International Program		☐ Yes ☒ No			
WHC Program/Project		☐ Yes ☒ No			
Communications		☐ Yes ☒ No			
RL Program/Project		☐ Yes ☒ No			
Publication Services		☐ Yes ☒ No			
Other Program/Project		☐ Yes ☒ No			
Information conforms to all applicable requirements. The above information is certified to be correct.					
References Available to Intended Audience ☒ Yes ☐ No Transmit to DOE-HQ/Office of Scientific and Technical Information ☒ Yes ☐ No Author/Requestor (Printed/Signature) <i>S.M. McKinney</i> ☒ Yes ☐ No Date 4/28/93 Intended Audience ☐ Internal ☒ Sponsor ☐ External Responsible Manager (Printed/Signature) <i>J.J. Dorian</i> ☒ Yes ☐ No Date 4/28/93		INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP Stamp is required before release. Release is contingent upon resolution of mandatory comments. <div style="text-align: center;"> </div>			
		Date Cancelled		Date Disapproved	

Lead Author S.M.McKinney	Phone 3-3703	MSIN T1-30	Other Author(s) or Requestor N/A		
Project or Program	Lead Org Code 88700		Sponsor Agency (DOE, DOT, NRC, USGS, etc.)		
Editor	Phone	MSIN	DOE/HQ Program (DP, EH, EM, NE, etc.)		
Mandatory Comments (Only mandatory comments are to be documented. All other comments should be made on a copy of the information submitted for review and returned to the author.)	Reviewer Name & Signature	Date	Resolution	Reviewer Name & Signature	Date
Legends/Notices/Markings (required per WHC-CM-3-4 or guidance organization.) (Reviewer initials)					
<u>Affix</u>			<u>Affix</u>		
	<u>Yes</u>	<u>No</u>		<u>Yes</u>	<u>No</u>
Applied Technology	[]	[]	Predecisional Information	[]	[]
Business-Sensitive Information	[]	[]	Programmatic Notice		
Computer Software Notice	[]	[]	Proprietary Information	[]	[]
Copyright License Notice	[]	[]	Purpose and Use	[]	[]
Export Controlled Information	[]	[]	Thesis/Dissertation	[]	[]
Legal Disclaimer	[]	[]	Trademark Disclaimer	[]	[]
Limited Disclosure	[]	[]	Unclassified Controlled Nuclear Information/Official Use Only		
Patent Status	[]	[]		[]	[]
Responsible Manager (Printed/Signature) _____					
Additional Information _____					

APPROVAL PAGE

PREPARED BY

S. M. McKinney

4-28-93
Date

REVIEWED BY

A. R. Johnson

04/28/93
Date

APPROVED BY:

J. J. Dorian

4/28/93
Date

WHC-EP-0665-8

QUARTERLY
ENVIRONMENTAL RADIOLOGICAL SURVEY SUMMARY
100, 200, 300, and 600 Areas
1st Quarter 1993

S. M. McKinney

REGULATORY SUPPORT
ENVIRONMENTAL ENGINEERING STUDIES

EXECUTIVE SUMMARY

This report provides a summary of the radiological surveys performed on waste disposal sites located at the Hanford Site. The First Quarter 1993 survey results and the status of actions required from current and past reports are summarized below:

- There were 73 routine environmental radiological surveys completed during January, February and March 1993.
- No Surveillance and Compliance Inspection Reports (SCIR) were issued for sites found out of compliance with standards identified in WHC-CM-7-5, Environmental Compliance.
- Six SCIRs were closed as a result of corrective actions taken during the first quarter of 1993.
- 22 SCIRs, summarized in Table 1, had not been resolved. Landlord responsibilities for the unresolved SCIRs are as follows:

<u>LANDLORD</u>	<u>OPEN SCIR's</u>
Environmental Restoration Operations (ERO)	8
B Plant	2
PUREX	1
Tank Farm Operations (TFO)	11

TOP TEN PRIORITY RANKING

An explanation of the prioritization system is on page 12 of this report. Priority rankings for all open SCIRs are listed in Table 1. The ten sites with the highest priority ranking for contamination control include:

<u>SITE</u>	<u>CUSTODIAN</u>
1. Cross Site Transfer Line	TFO
2. 241-B Tank Farm Perimeters	TFO
3. 241-BX-BY Farm Perimeters	TFO
4. 241-C Farm Perimeters	TFO
5. UN-216-W-24 Contamination Migration	ERO
6. UN-216-E-36 Contamination Migration	B-Plant
7. UN-216-E-43/244-A Lift Station Area	TFO
8. 211-S Tank Area	ERO
9. 241-S, SX, SY Farm Perimeters	TFO
10. 216-A-40 Basin	TFO

TABLE OF CONTENTS

EXECUTIVE SUMMARY	1
TOP TEN PRIORITY RANKING	11
1.0 INTRODUCTION	1
AREA RADIOLOGICAL CONTAMINATION ILLUSTRATIONS	2-11
2.0 PROGRAM DESCRIPTION	12
2.1 ENVIRONMENTAL RADIOLOGICAL SURVEY PROGRAM OBJECTIVES	12
2.2 PRIORITY RANKING SYSTEM	12
2.3 ENVIRONMENTAL STANDARDS	13
2.4 SURVEILLANCE AND COMPLIANCE INSPECTION REPORTS	15
2.5 SURVEY METHODS AND PROCEDURES	15
2.5.1 ROAD SURVEYS	15
2.5.2 WASTE SITES AND OTHER RADIATION AREA SURVEYS	16
3.0 SURVEY RESULTS	17
3.1 ENVIRONMENTAL RADIOLOGICAL SURVEY SUMMARY	17
3.2 SURVEILLANCE AND COMPLIANCE INSPECTION REPORTS ISSUED	17
3.3 SURVEILLANCE AND COMPLIANCE INSPECTION REPORTS CLOSED	18
3.4 STATUS OF OPEN SURVEILLANCE AND COMPLIANCE REPORTS	18-20
4.0 SUMMARY	21

1.0 INTRODUCTION

Routine radiological surveys to monitor conditions of outdoor sites are performed by Westinghouse Hanford Company's Health Physics Group. Areas surveyed include the road surfaces, radioactive waste storage and disposal sites (cribs, trenches, burial grounds, stabilized ponds and ditches), and unplanned release sites. (see figures 1 through 10) This report provides a summary of the radiological surveys performed on waste sites during the First Quarter of 1993. The status of corrective action required from current and past reports are also discussed.

A waste site survey schedule is developed by Environmental Engineering Studies. Environmental Engineering Studies reviews the radiological survey reports and files a copy for historical purposes and reference. Radiological conditions are tracked and trends noted. All sites are surveyed at least once each year. The survey frequencies for particular sites are based on site history, radiological conditions, and general maintenance. Special surveys may be conducted at irregular frequencies if conditions warrant (e.g., growth of deep-rooted vegetation is noted at a waste site). Radiological surveys are conducted on sites to detect surface contamination and document changes in vegetation growth, biological intrusion, erosion, and general site maintenance conditions. Survey data are compared with standards identified in WHC-CM-7-5, Environmental Compliance, as well as previous surveys to recognize possible trends, assess environmental impacts, and help determine where corrective actions are needed.

Landlords of sites found out of compliance may be issued a Radiological Problem Report (RPR) from the Health Physics Group. Should the landlord fail to respond to the identified problem in a timely manner, or if the corrective action will require a long-term commitment, Environmental Engineering Studies will issue a Surveillance and Compliance Inspection Report (SCIR). The SCIR is entered into the Quality, Environmental, Safety Tracking System (QUEST) database and Environmental Engineering Studies tracks the compliance violation to completion. Open SCIRs are listed in Table 1 of this report.

The surveys scheduled for this program consist of inactive waste sites, outdoor radiological control areas directly adjacent to buildings at active nuclear facilities and tank farm perimeters. Surveillance of the active nuclear facilities and inside the tank farms is the responsibility of the facility. Also, a survey to determine surface radiological conditions does not equate to a release survey. Therefore, a radiological survey that detects no contamination within a radiation control area does not release the site from control, but may result in a posting status change.

Environmental Assurance 4-31-93
100-B and C Area

Surface Contamination
Underground Radioactive Material

29103008.2

WHC-SP-0665-8

Figure 1

Environmental Assurance 4-31-93

100-D and DR Area

29103008.4

WHC-SP-0665-8

Figure 2

Environmental Assurance 4-31-93

100-F Area

Figure 3

100-H Area

29103008.1

Figure 4

100-K Area

- Surface Contamination
- Underground Radioactive Material

Figure 5

Environmental Assurance 4-31-93

100 - N Reactor Area

Figure 6

200 East Area

29103008.7

200 West Area

WHC-SP-0665-8

600 Area

212-N, P, R

200 West Area

Cross Country Transfer Line

200 East Area

B Pond

U. S.
Ecology

BC Radiological
Controlled Area

WHC-SP-0665-8

Surface Contamination

Underground

Environmental Assurance 4-31-93

300 Area

29103008.8

Figure 10

2.0 PROGRAM DESCRIPTION

2.1 ENVIRONMENTAL RADIOLOGICAL SURVEY PROGRAM OBJECTIVES

Environmental radiological surveys are performed to:

- Identify environmental priorities for cleanup of surface contamination.
- Determine compliance with Department of Energy requirements and Westinghouse policy and standards regarding operational control and environmental and radiological protection.
- Identify trends in radioactive contamination levels and radioactive migration at waste sites and other radiation areas.
- Assess the surface integrity of solid and liquid waste disposal sites.
- Monitor for unplanned releases of radioactivity to the operations area environment.

2.2 PRIORITY RANKING SYSTEM

A numerical system is used for sorting open SCIRs relative to environmental radiological concerns and provides a priority guide to responsible landlords for clean-up or stabilization of surface-contaminated areas.

A numerical value is assigned based on the level of contamination, site accessibility, and contamination mobility. Site histories are examined by reviewing past and present radiological surveys. Contamination levels from 1,000 counts per minute (cpm) to greater than 10 mR/hr (as measured on Health Physics' field survey instruments) are considered and assigned a numerical value of 1 (lowest value) to 5 (greatest value). Any removable alpha contamination will be considered a high priority and will receive a contamination value of 5. Location is evaluated for accessibility. A restricted area would receive the lowest point value of 1 progressing up to a value of 5 where the public could have access. Mobility refers to contamination that can be or has a history of being transported from where it was originally identified to places outside of the radiologically posted area. Fixed contamination would receive a value of 1 progressing to contamination that is blown by the wind or the result of biological uptake receiving a value of 5. The rankings, with a maximum of 15 points, are noted on Table 1.

It should be noted that this system is not intended to be a total risk assessment, but rather a way of communicating environmental significance to the landlords and their program offices. Other elements of the site clean-up process are considered such as costs, location, political emphasis and engineering strategies before a site is actually remediated.

2.3 ENVIRONMENTAL STANDARDS

In this document, radiation survey data are used to determine compliance of Inactive Radioactive Waste Sites with the following WHC-CM-7-5, Environmental Compliance, Section 6.0 (Rev. 0), requirements:

Section 6.3.1 Responsibilities

1: Facility managers and landlords shall:

- a. When applicable, provide a barrier over the disposal site to inhibit radionuclide transport to the surface (i.e., as defined in 6.5, soil contamination limits).
- b. Accurately and permanently mark inactive radioactive site boundaries with Hanford plant standard (AC-5-40) approved concrete marker posts. Unused (never used) sites and those that are no longer contaminated do not require marker posts.
- c. Isolate, cap, or seal off facility effluent lines which are potential discharge points to prevent accidental releases to inactive sites. This shall be verified and documented.
- g. Ensure the overall safe and secure operation/status of inactive waste sites. This includes required maintenance, housekeeping, and control/access of the sites.

4: Environmental Engineering Studies shall:

- a. Establish radiological survey schedules of active and inactive radiological waste sites.
- b. Conduct surveillance/compliance inspections of active and inactive waste sites to determine compliance with the physical and radiological requirements established in this section.
- c. Compile and maintain copies of historical records, including radiological survey reports, surveillance compliance inspection reports (SCIRs), and other information for each active and inactive radioactive waste site.
- d. Trend radiological data, and issue reports on the status of radiological surveys and surveillance/compliance inspections for active and inactive radioactive waste sites.
- e. Review any proposed activity, other than routine inspections, that may impact or may be impacted by any active and inactive waste site.

- f. When violations of this section occur, issue SCIR to appropriate facility manager or area landlord for corrective actions.

6.3.2 Requirements

6.3.2.2 Routine Activities

1. The facility manager of landlord shall perform the following appropriate action from the following list when contamination of any type is detected (either new or in excess of action limits) to prevent the migration of the contamination:
 - * Small-scale stabilization (<5 acres)
 - * Vegetation removal
 - * Radioactive hot-spot removal
 - * Fencing
 - * Posting
 - * Herbicide spraying
 - * Immediate spill response
 - * Other corrective measures
2. Information regarding routine activities shall be provided for documentation into the WIDS database.
3. Facility operations management shall accurately and permanently mark inactive radioactive waste site boundaries, including unplanned release areas that have become disposal sites, with concrete posts as specified in AC-5-40. Post areas in accordance with WHC-CM-4-10, Section 0.0 "Radiological Posting and Labeling," and keep records in accordance with paragraph 6.3.3 of this section.
4. Maintenance of the inactive sites shall include control of deep-rooted vegetation that could provide transport of contamination to the surface through plant uptake. The application of herbicides or pesticides may be required and shall conform to the requirements of Section 3.6 of this manual.

The above mentioned requirements apply to all inactive radioactive waste sites which include cribs, trenches, ditches, ponds, French drains, burial grounds and other areas of concern such as tank farm perimeters and radioactive contamination due to spills or releases. Interiors of tank farms and radiation areas where operations are ongoing are not included.

In order to compare standards [as established in WHC-CM-7-5, Section 6.0] and field instrument values, a conversion factor is necessary. This conversion factor has been established where 20,000 dpm (2000 c/m) are approximately equivalent to one millirem per hour or 10 microsieverts per hour for beta-emitting radionuclides. It must be understood that converting field instrument values, which included both beta and gamma energies, is approximate and does not allow for absolute precision.

2.4 SURVEILLANCE AND COMPLIANCE INSPECTION REPORTS

When it is determined that conditions at a site are not in compliance with the standards established in WHC-CM-7-5, the appropriate area landlord is notified. Environmental Engineering Studies issues a Surveillance/Compliance Inspection Report (SCIR). Resolution of a SCIR is considered initiated when a formal corrective action plan is provided to and accepted by Environmental Engineering Studies. However, for tracking purposes it will remain on file and appear in subsequent Environmental Radiological Survey Reports and the QUEST data base until satisfactory completion of the plan is demonstrated. A visual inspection by Environmental Engineering Studies and/or a post-corrective action radiation survey by Health Physics is required before closing a SCIR. If a compliance plan is not provided to Environmental Engineering Studies within one month, a second notice is issued.

An SCIR may be issued for conditions which pose a probable threat of radiological contamination to uncontrolled areas. These conditions include the presence of deep-rooted vegetation, animal intrusion, or obvious migrating contamination. Once the contamination is contained on or removed from a site for which a SCIR has been issued, the report will be closed after a follow-up radiation survey has indicated that no further environmental impact is evident. For example, fixed contamination may remain and the site may be properly posted as a Surface Contamination area. The site will no longer be out of compliance; therefore, the SCIR can be closed.

2.5 SURVEY METHODS AND PROCEDURES

Surveys documented by this report include road surfaces, cribs, stabilized burial grounds, covered ponds and ditches, tank farm perimeters, unplanned release sites and other radiation areas. Methods and procedures for these surveys can be found in WHC-CM-7-4, Operational Environmental Monitoring, WHC-CM-4-10, Radiation Protection, and WHC-IP-0692, Health Physics Procedures.

2.5.1 ROAD SURVEYS

Road Surveys are performed with the Mobile Surface Contamination Monitor (MSCM) Tractor or a vehicle equipped with sodium iodide detectors mounted on the undercarriage. The detector height is adjustable. The average survey height is one foot.

The vehicle is driven at less than seven miles per hour. When activity is detected, the vehicle is stopped and a thorough survey is made with an Eberline Model BNW-1 portable survey instrument equipped with a P-11 probe to identify the extent of the contamination. Appropriate management is notified when road contamination is identified and corrective actions are initiated.

2.5.2 WASTE SITES AND OTHER RADIATION AREA SURVEYS

Surveys at waste sites and other radiation areas may be conducted with vehicles equipped with radiation detection instruments or with hand-held field instruments. Field instrument survey results are reported in disintegrations per minute as detected by a P-11 mica window probe attached to an Eberline Model BNW-1 count rate meter for beta/gamma radiation. Alpha survey results are reported in disintegrations per minute that is measured with a portable alpha meter (PAM) or a portable alpha counter (PAC-6). Surveys include the perimeter and portions of the ground surface of radiation areas. Wherever possible, smear surveys are made on the surface of exposed equipment within a radiation area. Vegetation, animal burrows, and animal feces are also monitored to detect biological transport. Detailed survey practices and procedures are described in WHC-CM-4-10, Radiation Protection Manual, WHC-IP-0692, Health Physics Procedures, and WHC-CM-7-4, Operational Environmental Monitoring.

3.0 SURVEY RESULTS

Seventy-three routine environmental radiological surveys were completed during January, February and March 1993. These were surveillances of inactive waste disposal sites which include cribs, trenches, burial grounds, covered ponds and covered ditches. The survey schedule for environmental sites is outlined in WHC-CM-7-4, Section 12, and in WHC-SP-0098-4, Rev. 1.

Landlords for areas found out of compliance with guidelines described in WHC-CM-7-5 were issued a Surveillance/Compliance Inspection Report (SCIR).

3.1 RADIOLOGICAL SURVEY SUMMARY

This report provides a synopsis of the radiological survey results conducted during January, February and March of 1993. The inclement weather during the fourth quarter of 1992 and the first quarter of 1993, prevented several of the survey routines from being performed and brought the clean-up and stabilization activity to a virtual standstill for several weeks which delayed these activities. However, the stabilization efforts for the 216-A-6 Crib and the 204-S surface contamination area were completed and the respective SCIRs were in the process of being closed out. Radiological surveillances are now back on schedule.

Two surface contamination areas increased in size, the Cross Site Transfer Line at the 241-EW-151 Vent Station approximately midway between 200 West Area and 200 East Area on the Cross-Site Transfer Line and an area adjacent to and east of the UN-216-W-24 & UN-216-W-30 areas near the 241-S/SX/SY Tank Farms in 200 West Area. The increase in size is approximately 5.0 acres and 0.75 acres respectively. There will be no SCIRs written as the Cross Site Transfer Line is already covered by SCIR Number 9012EP200-095 and the area east of UN-216-W-24 & 30 is covered by SCIR 9208ERI-006.

The cause of the contamination spread at the 241-EW-151 Vent Station is being investigated by Environmental Engineering Studies with the help of Site Surveillance Health Physics.

Several other areas of spot contamination were discovered while surveying the US West trench for the telephone cable installation. The specks consisted of wood chips, soil, and rabbit feces. The areas were decontaminated and released.

3.2 SURVEILLANCE/COMPLIANCE INSPECTION REPORTS ISSUED

During the first quarter of 1993 no SCIRs were issued.

3.3 SURVEILLANCE AND COMPLIANCE INSPECTION REPORTS CLOSED

Six SCIRs were closed during the first quarter of 1993.

<u>SCIR</u>	<u>CUSTODIAN</u>	<u>SITE</u>
ECU-87-21	HRO	216-A-6 CRIB
ECU-87-28	HRO	204-S AREA
9211ERI-008	TFO	Deep Rooted Vegetation Active Sites
9211ERI-009	PFP	Deep Rooted Vegetation 216-2-1A, 2 & 3 Cribs
211ERI-010	HRO	Deep Rooted Vegetation Inactive Sites
9211ERI-011	RR	Deep Rooted Vegetation 316-1 & 316-2 Ponds

3.4 STATUS OF OPEN SURVEILLANCE AND COMPLIANCE REPORTS

When sites are found to be out of compliance with the Environmental Compliance Manual, WHC-CM-7-5, appropriate landlords are issued an SCIR. Corrective actions are submitted to Environmental Engineering Studies by the responsible organization. Twenty two SCIRs remain open in the first quarter of 1993. These reports are summarized on Table 1 to include the referenced site number, priority ranking points (maximum of 15 points based on contamination levels, location and mobility), responsible custodian, SCIR report number, and estimated completion date.

Abbreviations used on Table 1 include:

SCIR - Surveillance/Compliance Inspection Report

ECD - Estimated Completion Date

ERO - Environmental Restoration Operations

TFO - Tank Farm Operations

PTS - Points

TBD - To Be Determined

RR - Environmental Restoration & Remediation

TABLE 1
OPEN SURVEILLANCE/COMPLIANCE INSPECTION REPORTS
(maximum 15 points)

SCIR	SITE	DATE INITIATED	MONTHS OPEN	ECD	SITE RANKING	CUSTODIAN
ESC-85-019	UN-216-E-23, RR Spur No. of B-Plant	11/01/85	89	04/01/93	9	B-PLANT
ECU-86-022	207-2 BASIN	08/01/86	80	01/01/95	7	ERO
ECU-86-046	UN-216-W-24	10/01/86	78	09/30/93	10	ERO
ECU-86-047	UN-216-W-29	10/01/86	78	09/30/93	7	ERO
ECU-86-048	UN-216-W-30	10/01/86	78	09/30/93	7	ERO
EP-87-38	UN-216-W-26	10/01/87	71	09/30/93	8	ERO
EP-88-7	276-U BASIN	05/01/88	58	09/30/93	8	ERO
EP-88-10	WR VAULT	05/01/88	58	09/30/95	8	ERO
8810EP200-012	UN-216-W-33	10/01/88	53	10/30/92*	10	TFO
8901EP200-001	UN-216-E-16	01/01/89	51	04/26/93	8	PUREX
8909EP200-036	241-B FARM PERIMETERS	09/01/89	43	10/30/92*	13	TFO
8910EP200-043	UN-216-E-5	10/01/89	42	10/30/92*	10	TFO
9001EP200-013	211-S TANK STORAGE	01/30/90	38	09/30/93	10	ERO
9007EP200-053	216-A-40 BASIN	07/05/90	31	10/30/93	11	TFO
9007EP200-056	BX-BY TANK FARM PERIMETERS	07/20/90	31	10/30/92*	13	TFO
9008EP200-068	C-TANK FARM PERIMETERS	08/13/90	32	10/30/92*	13	TFO
9012EP200-095	UN-216-E-41 X-SITE TRANSFER LINE	12/05/90	27	10/30/93	14	TFO
9012EP200-099	UN-216-E-43	12/14/90	27	10/30/92*	13	TFO
9110ERI-001	UN-216-E-36 216-B-64 BASIN	12/25/91	15	TBD*	12	B-PLANT

* Corrective action is delinquent

TABLE 1 (continued)
OPEN SURVEILLANCE/COMPLIANCE INSPECTION REPORTS

[illegible]

* Corrective action is delinquent

4.0 SUMMARY

Seventy three routine outdoor radioactive surveys were completed during January, February, and March of 1993 in the 100, 200 E&W, 300 and 600 areas.

No SCIR's were issued (Section 3.2)

Six SCIRs were closed (Section 3.3)

Twenty two SCIRs remain open (Table 1). Open reports have been addressed and clean-up plans with completion dates are being developed or to be provided to Environmental Engineering Studies.

RADIOLOGICAL POSTING CHANGES

Radiological posting changes noted during the first quarter of 1993 are as follows:

The 216-A-6 Crib was stabilized and down posted from SC to URM

The 204-S Area was backfilled and down posted from SC to URM

The SC area at UN-216-W-24 & 30 increased in size due to contamination spread

The SC area at the 241EW151 Vent Station increased in size due to contamination spread

(SC = Surface Contamination URM = Underground Radioactive Material)

WHC-SP-0665-8

DISTRIBUTION

Number of Copies

ONSITE

67

WESTINGHOUSE HANFORD COMPANY

M. R. Adams	H4-55
H. A. Besel	T1-25
D. A. Berg	R1-67
G. T. Berlin	R1-51
R. J. Bliss	B3-04
J. W. Bloom	S6-05
D. M. Bogen	S6-65
F. R. Buck	A2-21
G. D. Carpenter	B2-16
M. F. Cooney	H6-07
D. H. Deford	H4-55
L. A. Dietz	H4-52
J. J. Dorian	B2-16
J. A. Eacker	R1-51
R. E. Elder	L8-16
D. B. Erb	H4-55
L. E. Eyre	T4-01
J. R. Freeman-Pollard (2)	H4-55
K. A. Gano	X0-21
D. L. Gardner	R3-20
E. M. Greager	L6-60
D. S. Gunnink	T1-25
K. A. Hadley	R2-42
D. G. Hamrick	R1-51
W. F. Heine	B2-35
R. E. Heineman	R3-12
M. E. Hevland	R3-60
J. E. Hodgson	X7-02
M. C. Hughes	R2-81
A. R. Johnson	T1-30
S. R. Johnson	R3-12
D. H. Jones	H4-16
M. E. Juquilon	L4-76
J. R. Kasper	R2-50
D. M. Kelly	T3-11
R. E. Lerch	B2-35
J. S. Lee	T4-01
C. L. Looney	N3-06
S. M. McKinney (6)	T1-30
M. A. Mihalic	L4-88
M. R. Morton	R2-77
K. J. Moss	R3-12
W. L. Osborne	T3-11

DISTRIBUTION (continued)

Number of CopiesWESTINGHOUSE HANFORD COMPANY (continued)

J. L. Parsons	S4-39
R. D. Pierce	R2-80
P. R. Praetorius	S1-56
J. A. Rivera	B2-16
L. W. Roberts	R2-80
J. P. Schmidt	X0-41
J. W. Schmidt	H6-30
P. L. Treadway	R1-62
R. R. Thompson	L4-88
E. T. Trost	B4-64
D. J. Watson	X0-41
R. L. Watts	L6-52
B. F. Weaver	T3-29
D. L. Wegener	R1-62
C. D. Wittreich	H4-55
B. W. Wyrick	L4-88
M. T. York	L4-88
Document Clearance (3)	R1-08
Central Files	L8-04

U.S. DEPARTMENT OF ENERGY - Richland

4

G. M. Bell	A5-52
G. J. Bracken	A6-80
R. F. Brich	A5-55
P. M. Pak	A5-19

PACIFIC NORTHWEST LABORATORY

2

R. K. Woodruff (2)	K6-13
--------------------	-------

KAISER ENGINEERS

2

L. A. Bast	E4-01
J. A. Shipman	E6-242

END

DATE

FILMED

2/10/94