

START

9613458.0931

0044999

22

RELEASE INSTRUCTIONS (RI) NO RETURN RECEIPT	DOCUMENT NO.:
	WHC-CM-7-7 PAGE 1 OF 1

TO: DEBRA A ISOM H6-08 0176	TITLE: Environmental Investigations and Site Characterization Manual RELEASE NO.: 106 DATE PREPARED: 08/15/96
---	--

When document is no longer needed, please recycle/destroy contents and binder. Sign and date the UDC Unclassified Coversheet and return to UDC, A3-95, indicating "DESTROYED".	If you have any questions about this release contact: Jean Feaster Phone: 372-2340
--	--

CONTROLLED COPY INSTRUCTIONS

1. REMOVE AND/OR INSERT INDICATED SECTIONS INTO DOCUMENT AS SHOWN BELOW.
2. UPDATE THE RELEASE RECORD AT THE FRONT OF THE DOCUMENT.

SECTION NO. AND TITLE(S)	REMOVE			INSERT		
	PAGES	REV	DATE	PAGES	REV	DATE
Table of Contents	1 - 4	105	06/17/96	1 - 4	106	08/19/96
Insert ICA 102 with EII 5.8, Groundwater Sampling	--	--	--	1 of 1	--	08/15/96

IMPLEMENTATION NOTICE

ICA 102 applies to EII 5.8, Groundwater Sampling, Rev 4, Appendix A



huu

WHC-CM-7-7, *Environmental Investigations and Site Characterization*Release 106
August 19, 1996
Page 1 of 4

Table of Contents

<u>Number</u>	<u>Title</u>	<u>Rev</u>	<u>Effective Date</u>
N/A	Introduction	2	06/27/94
N/A	Quality Assurance Records	0	03/15/93
	PAGE CHANGE 1 (p. 4)		04/05/93
	PAGE CHANGE 2 (pp. 4, 5, 6)		04/19/93
	PAGE CHANGE 3 (pp. 4, 6)		05/24/93
	PAGE CHANGE 4 (pp. 3, 4)		09/07/93
1.0 GENERAL ADMINISTRATIVE REQUIREMENTS			
EII 1.1	Hazardous Waste Site Entry Requirements	3, Chg 1	04/28/95
EII 1.2	Preparing and Revising Procedures	8, Chg 1	10/23/95
EII 1.4	Instruction Change Authorizations	8	05/31/95
EII 1.5	Field Logbooks	6	08/07/95
EII 1.6	Record Processing	4	11/12/93
EII 1.7	Qualification and Training	5, Chg 1	05/31/95
EII 1.9	Primary and Secondary Document Review & Control	2	10/19/92
EII 1.10	Identifying, Evaluating and Documenting Suspect Waste Sites	3	12/22/93
EII 1.13	Environmental Readiness Review	2	12/29/93
	PAGE CHANGE 1 (p. 3)		04/04/94
	PAGE CHANGE 2 (p. 3)		04/13/94
EII 1.14	Preparation of Descriptions of Work	0	08/10/92
	PAGE CHANGE 1 (p.2)		09/20/93
EII 1.15	Preparation of SOW/LOI	1	01/31/94
EII 1.16	Guidance for Evaluating Unreviewed Safety Questions for Environmental Restoration & Decontamination and Decommissioning Activities	0	05/04/94

WHC-CM-7-7, *Environmental Investigations and Site Characterization*

Release 106
 August 19, 1996
 Page 2 of 4

Table of Contents

<u>Number</u>	<u>Title</u>	<u>Rev</u>	<u>Effective Date</u>
2.0 HEALTH AND SAFETY			
EII 2.1	Preparation of Site-Specific Health & Safety Plans PAGE CHANGE 1 (p. 2) PAGE CHANGE 2 (pp. 3, 4) PAGE CHANGE 3 (p. 3)	4	04/19/93 06/24/93 09/07/93 09/20/93
EII 2.2	Occupational Health Monitoring	4	03/15/93
3.0 FIELD CHARACTERIZATION			
EII 3.2	Calibration and Control of Monitoring Instruments PAGE CHANGE 1 (p. 5)	4	05/24/93 01/31/94
EII 3.5	Cone Penetrometer	0	01/31/94
4.0 WASTE MANAGEMENT			
EII 4.2	Interim Control of Unknown, Suspected Hazardous and Mixed, and Radioactive Waste PAGE CHANGE 1 (p. 7)	4	01/25/93 10/18/93
EII 4.3	Control of CERCLA and Other Past-Practice Investigation Derived Waste PAGE CHANGE 1 (p. 26) PAGE CHANGE 2 (p. 17)	2	06/24/93 10/18/93 01/31/94
EII 4.4	Control and Storage of Radioactive Materials and Equipment	1	02/28/94
5.0 FIELD SAMPLING			
EII 5.1	Chain of Custody/Sample Analysis Request	6	06/27/94
EII 5.2	Soil and Sediment Sampling PAGE CHANGE 1 (pp. 2, 4) PAGE CHANGE 2 (pp. 6, 21)	5	11/12/93 01/31/94 06/27/94
EII 5.3	Biotic Surveying and Sampling PAGE CHANGE 1 (page 2)	2	10/18/93 05/04/94
EII 5.4	Field Cleaning and/or Decontamination of Equipment PAGE CHANGE 3 (page 3)	5, Chg 2	08/31/95 02/07/96
EII 5.5	Laboratory Cleaning of RCRA/CERCLA Sampling Equipment ICA 100 (P)	4	02/07/96 04/02/96

WHC-CM-7-7, *Environmental Investigations and Site Characterization*

Release 106
August 19, 1996
Page 3 of 4

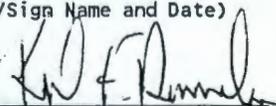
Table of Contents

<u>Number</u>	<u>Title</u>	<u>Rev</u>	<u>Effective Date</u>
EII 5.7A	Hanford Geotechnical Sample Control	4, Chg 1	01/09/96
EII 5.8	Groundwater Sampling ICA 095 (T) Change 1, (pages 5, 9, 11 and 12) ICA 096 (T) ICA 097 (T) ICA 099 (P) ICA 101 (P) ICA 102 (P)	4	06/09/95 03/22/95 08/07/95 08/21/95 11/01/95 12/01/95 06/11/96 08/15/96
EII 5.9	Soil-Gas Sampling	1	05/04/94
EII 5.10	Obtaining Sample Identification Numbers and Accessing HEIS Data	0	12/20/91
EII 5.11	Sample Packaging and Shipping PAGE CHANGE 1 (pages 3, 6) PAGE CHANGE 2 (pages 3, 7) PAGE CHANGE 3 (page 3)	3	12/14/92 04/05/93 01/31/94 10/23/95
6.0 DRILLING			
EII 6.4	Well Services Support	3	06/27/94
EII 6.6	Resource Protection Well Characterization and Evaluation	3	03/17/95
EII 6.7	Documentation of Well Drilling and Completion Operations ICA 089 (T) PAGE CHANGE 1 (p. 2) PAGE CHANGE 2 (p. 7)	4	12/01/93 02/08/94 04/04/94 06/27/94
EII 6.9	Groundwater Well and Borehole Identification and Tracking (No technical impact)	0	06/27/94
EII 6.10	Decommissioning Wells CHANGE 1 (p. 3)	3 3, Chg 1	03/17/95 04/24/95
7.0 RESERVED			
8.0 RECLAMATION			
EII 8.3	Remediation of Groundwater Well	2, Chg 1	03/17/95

Table of Contents

<u>Number</u>	<u>Title</u>	<u>Rev</u>	<u>Effective Date</u>
9.0 GEOLOGY			
EII 9.1	Geologic Logging	3, Chg 2	08/31/95
10.0 HYDROLOGY			
EII 10.1	Aquifer Testing	5, Chg 1	03/29/96
EII 10.2	Measurement of Groundwater Levels	3, Chg 2	08/07/95
EII 10.3	Purgewater Management	4, Chg 2	10/23/95
EII 10.4	Well Development Activities	2	02/16/93
11.0 GEOPHYSICS			
EII 11.1	Geophysical Logging	4	03/31/95
EII 11.2	Geophysical Survey Work	4	06/27/94
12.0, 13.0 and 14.0 - RESERVED			
14.0 DATA MANAGEMENT			
OTHER			
N/A	Glossary/Acronyms	4	02/28/94
	PAGE CHANGE 1 (pp. 9, 18, 19, 20)		06/27/94

ICA = INSTRUCTION CHANGE AUTHORIZATION, (P) = PERMANENT (BLUE SHEET), (T) = ONE TIME (GOLDENROD SHEET)

INSTRUCTION CHANGE AUTHORIZATION (ICA)		ICA No. 102
Instruction No. WHC-CM-7-7, EII 5.8 Appendix A, "Groundwater Sampling"		Rev. No. 4 Page 1 of 1
Description of Change		Approval Designator Q
<p>The QED Purge Savor may be used in groundwater monitoring for the RCRA/Operational program. The Purge Savor is a flow through system with the capabilities of measuring pH, conductivity, temperature, oxidation-reduction potential (ORP), and dissolved oxygen (DO). Calibration and operation of the QED system will follow WHC procedures and the <u>Purge Savor Flow-Through Cell and Meter System User's Guide</u>. Monitoring activities will be sampled from dedicated equipment. In the case of non-dedicated equipment, procedures for decontamination of sampling equipment and quality control monitoring are to be followed.</p>		
<input type="checkbox"/> One Time <input checked="" type="checkbox"/> Permanent		
Justification		
<p>The QED Purge Savor may be used to measure pH, conductivity, and temperature on a routine basis for the RCRA/Operational program. DO, and ORP will be used if requested. The flow-through system will provide reliable field parameters, increased efficiency, and stability of parameters in a closed system. The QED Purge Savor will also reduce purge volumes by instantaneously monitoring the groundwater.</p>		
Approvals: (Print/Sign Name and Date)		
KF DONNELSON  _____ ICA Author	8-15-96 _____ Date	DG HORTON  _____ ICA Author's Manager
N/A	N/A	8/15/96
Instruction Author's Manager	Date	Quality Assurance (If Required) Date
N/A	N/A	8/15/96
Other	Date	Safety (If Required) Date