

**APPENDIX Y – FOLLOW-UP WORK PLANS - PHASE II AND III  
REMEDIAL INVESTIGATION**

**FINAL REMEDIAL INVESTIGATION REPORT  
CASMALIA RESOURCES SUPERFUND SITE  
CASMALIA, CALIFORNIA**

**Prepared By: URS Corporation**

## **Follow-Up Work Plans - Phase II and III**

### **Final Geophysical Survey Plan – Phase II RI/FS Work Plan Supplement** September 21, 2005

Attachments:

Figure P-1 – Proposed Refraction Survey Lines, Phase II Seismic Refraction Survey, P/S Landfill

Figure P-2 – Phase 2 Seismic Refraction Schedule

Figure P-3 – Geophysical Survey Organization Chart

Appendix A – Geophysical Survey Hazard Analysis

### **Revision 4 - Fall, 2005 Phase II RI Sampling Soil Vapor, Surface Drainage Water, and Background Soil** November 18, 2005

Attachments:

Table 4.4-P2 – Soil Vapor, Surface Water, and Background Soil Sampling Program Summary (rev 10.24.05)

Figure 4.1-P2 – Proposed Phase II Soil Vapor, Surface Water, and Background Soil Sample Locations

Table A.2-P2 – Proposed Sampling and Analytical Program Phase II October 2005

### **Table A.1-Fall Phase II RI GW Sampling (Table Only)** November 18, 2005

### **Final Spring, 2006 Phase II RI Sampling Plan for Soil Sampling, Soil Gas Surveys, Clay Barrier Sampling, Geologic Boring, and Well and Piezometer Installation** May 25, 2006

Attachments:

Table 4.4-P2-Spring-rev.05.25.06 – Phase II 2006 Final Soil, Sediment, and Clay Barrier Sampling Program Summary

Table A.2-P2-Spring-rev.05.25.06 – Phase II 2006 Final Proposed Sampling and Analytical Program

Figure 4.1-P2.rev.05.25.06 – Final Phase II RI Soil Samples

### **Rev Final Phase III RI Sampling Plan for Follow-up RISBON-59 Soil Sampling** March 27, 2007

Attachments:

Table 4.4-P3 – Phase 3 2007 Final Soil Sampling Program Summary

Table A.2-P3 – Phase 3 Proposed Sampling and Analytical Program

Figure 4.1-P3 – Proposed Phase III Soil Sampling Locations, Vicinity of RISBON-59 Cross Section B-B'

**Final Plan for RI Follow-up to the P/S Landfill Seismic Refraction Survey**

June 29, 2007

## Attachments:

- Table 1 (rev 06.25.07) – P/S Landfill Piezometer Specifications for Seismic Survey Followup
- Figure 4.1 (rev 06.25.07) – Seismic Follow Up
- SOP 3-1 – Standard Operating Procedure 3-1, Well and Piezometer Installation and Development
- SOP 4-1 – Standard Operating Procedures 4-1, Cone Penetrometer Testing (CPT)/Ultra Violet Induced Fluorescence (UVIF)/Membrane Interface Probe (MIP) Profiling and Soil Sample Collection

**RI Sampling Plan for Follow Up Soil Vapor Surveys**

July 20, 2007

## Attachments:

- Table 4.4 – Soil Vapor Follow Up Sampling
- Table 4.2 – Soil Vapor Sample Results for RISCVL-03, 05, 08 and Stepout Locations
- Figure 4.1-P2-rev.05.25.06 – Final Phase II RI Soil Samples

**Final Work Plan RIPZ-13 DNAPL Test Program**

February 27, 2009

## Attachments:

- Table 1 – RIPZ-13 DNAPL Test Program Summary
- Table 2 – RIPZ-13 DNAPL Test Program
- Attachment 1 – RIPZ-13 Purge and Recovery Test Log

**Sampling and Analysis Plan [Tier 2 Ecological Risk Assessment]**

March 27, 2009

## Attachments:

- Table 1 – Data Quality Objectives for Collection of Tissue Samples
- Table 2 – Remedial Investigation Soil Chemical of Interest Concentrations
- Table 3 – Method Reference, Sample Preservation, and Hold Time Requirements
- Table 4 – Requested Analytical Parameters, Methods, and Detection Limits for Soil/Sediment and Biota Samples
- Table 5 – Sample Analysis Matrix
- Figure 1 – Site Location Map
- Figure 2 – Site Sampling Locations
- Figure 3 – Background Sampling Locations
- Figure 4 – Small Mammal Trapping and Terrestrial Invertebrate Sampling Area
- Appendix A – Plant Tissue Sampling Standard Operating Procedure
- Appendix B – Soil Invertebrate Tissue Sampling Standard Operating Procedure
- Appendix C – Small Mammal Tissue Sampling Standard Operating Procedure
- Appendix D – Composite Soil, Sediment, and Tissue Sampling Standard Operating Procedure

- Appendix E – Aquatic Invertebrate Tissue Sampling Standard Operating Procedure
- Appendix F – Field Sample Holding, Packaging, and Shipping Standard Operating Procedure
- Appendix G – Field Sampling Equipment Decontamination Standard Operating Procedure