

**APPENDIX S – RI DAILY ACTIVITY REPORTS**

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

**Prepared By: URS Corporation**

**DAILY ACTIVITY REPORT**  
**Wednesday, July 14, 2004**

To: CH2Mhill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, July 14, 2004

No: DAR-RI04-01

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ Visited each of the Type 2, shallow soil sampling points with Mark Wuttig of CH2Mhill. Made a total of three additional relocations from the eleven relocations that we did during the initial staking activities;
- ◆ Location RISSBK-14 was moved approximately 45 feet west to give relief from the roadway;
- ◆ Locations RISSOF-2 and RISSOF-3 were moved around 25 to 35 feet west to put them down inside the creek channel from up on the banks where they had been staked;
- ◆ Locations RISSON-21, RISSON-29, RISSCL-1, RISSSCL-2, RISSCL-3, RISSCD-2, RISSCD-3 will all be final located on Thursday by Jim Soutee of CH2Mhill. These locations are all event specific targeted sampling locations.

**Quantities Summary:**

Item	Quantity
Surface soil sample locations visited and approved	76 locations

**ACTIVITIES PLANNED FOR TODAY**

- ◆ Continue setting up of RI office space;
- ◆ ERM will be on site on Thursday, July 15, 2004, to walk the site with their CPT contractor and surveyor to mark out their planned locations.

Attachments:

1. List of relocated sample points;

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Wednesday, July 14, 2004**

RI Location ID	Distance and Direction Moved		Reason for Moving
RISSON-25	10 ft West		In road way
RISSON-12	21 ft East		In thick brush
RISSON-13	12 ft South	2 ft East	In marshy puddle area
RISSON-34	11 ft South	7 ft East	In thick brush
RISSLT-1	48 ft South		Asphalt paved area
RISSLT-2	9 ft North		Asphalt paved area
RISSMS-1	12 ft South	27 ft East	Asphalt paved area
RISSMS-2	28 ft South	2 ft East	Asphalt paved area
RISSCD-3	7 ft South	8 ft East	In Roadway
RISSCL-3	10 ft South		In Roadway
RISSBC-4	7 ft South		In Roadway
RISSBK-14	45 ft West		In Roadway
RISSOF-2	20 ft West		Moved into creek bottom
RISSOF-3	40 ft West		Moved into creek bottom

All distances are approximate, the final locations will be surveyed for data management and reporting.

**DAILY ACTIVITY REPORT**  
**Friday, July 16, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Friday, July 16, 2004

No: DAR-RI04-02

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ Jim Soutee of CH2Mhill worked with URS in re-positioning the event specific surface soil sampling locations. These locations have been blue flagged for later resurveying upon completion of the sampling event.

*Activity Category ex: UVIF and CPT Investigation*

- ◆ Jeff Hamilton of ERM worked with the Gregg Insitu general manager to visit each of the planned UVIF and CPT locations to determine if there were going to be any access problems. A number of locations were identified as being inaccessible in their current locations and will have to be moved to allow safer equipment mobilization;

**Quantities Summary:**

Item	Quantity
Surface soil sample locations re-located based on JS personal knowledge	15 locations

**ACTIVITIES PLANNED FOR TODAY**

- ◆ Continue setting up of RI office space;
- ◆ Surface soil sampling to commence on Monday, July 19, 2004

Attachments:

1. ;

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Monday, July 19, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Monday, July 19, 2004

No: DAR-RI04-03

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category* ex: Soil / Sediment Sampling Investigation

- ◆ Started the Type 2, surface soil sampling program. We spent the day concentrating on the off site background sample locations. Collected samples from RISSBK-13 through RISSBK-22, which were all of the background samples planned.

**Quantities Summary:**

Item	Quantity
Surface soil samples collected.	10 locations with 11 samples, (1 duplicate)

**ACTIVITIES PLANNED FOR Tuesday, July 20, 2004**

- ◆ Continuation of the surface soil sampling activities. We will be targeting the lower B drainage locations in the morning in order to allow the EPA contractor to collect their split samples earlier in the day;
- ◆ Walk through of the Type 3 sample locations with Mark Wuttig is scheduled for Wednesday July 21, 2004,

Attachments:

1. ;

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Tuesday, July 20, 2004**

To: CH2Mhill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Tuesday, July 20, 2004

No: DAR-RI04-04

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ Continued the Type 2, surface soil-sampling program. We spent the first part of the day concentrating on finishing the off site sample locations. Collected samples from RISSOF-01 through RISSOF-03, down in the B-drainage. Then we mobilized back on to the site and completed 7 locations for the Other Onsite Areas samples.

**Quantities Summary:**

Item	Quantity
Surface soil samples collected.	10 locations with 14 samples. Two split locations with CH2Mhill and two URS duplicates.

**ACTIVITIES PLANNED FOR Wednesday, July 21, 2004**

- ◆ Continuation of the surface soil sampling activities. We will be targeting the onsite area samples as well as the targeted grout settlement locations for the final CH2Mhill split sample;
- ◆ Walk through of the Type 3 and UVIF study locations with Mark Wuttig is scheduled for Wednesday July 21, 2004,

Attachments:

1. ;

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Wednesday, July 21, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, July 21, 2004

No: DAR-RI04-05

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ Considerable difficulties were encountered while attempting to collect the dual depth sample locations on the landfill cap locations RISSCL-1 through RISSCL-06. The membrane was breached with the hand auger at location RISSCL-02 and will have to be repaired. No strong odors or elevated VOC concentrations were observed or indicated with the monitoring instruments.
- ◆ Surface soil samples were collected from RISSCL-04 through RISSCL-06 but will have to be discarded because it appears they were not correctly located in the field prior to sampling.
- ◆ Continued the Type 2, surface soil-sampling program. Collected samples from:

RISSON-25	RISSON-26
RISSCL-01	RISSCL-02
RISSCL-03	RISSCL-04*
RISSCL-05*	RISSCL-06*

\* The surface soil samples collected at these locations will be discarded because the sample locations were incorrectly located in the field.

*Activity Category ex: UVIF NAPL Investigation*

- ◆ Brian Bjorklund and Jeff Hamilton of ERM were on site to walk the stake locations with Mark Wuttig for the August 2<sup>nd</sup> start of the UVIF study.
- ◆ They visited and approved 56 of the 58 planned UVIF/MIPS and CPT locations. With two remaining locations waiting for the final approval after confirmation of the goals and objectives of these final locations. ERM will provide a table of all of the field adjustments made in today's exercise at a later date.

**Quantities Summary:**

Item	Quantity
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**DAILY ACTIVITY REPORT**  
**Wednesday, July 21, 2004**

Surface soil samples collected.

8 locations with 11  
samples, three URS  
duplicates.

UVIF/CPT locations inspected

56 approved 2  
outstanding.

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**ACTIVITIES PLANNED FOR Thursday, July 22, 2004**

- ◆ Continuation of the surface soil sampling activities. We will move off of the landfill cap areas until we confirm the location of the three remaining RISSCL locations;

Attachments:

1. ;

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Thursday, July 22, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Thursday, July 22, 2004

No: DAR-RI04-06

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ Surface soil samples were collected from the former ponds and pads area and other onsite areas locations. No significant problems or difficulties were encountered.
- ◆ Collected Type 2 surface samples from:

RISSON-02	RISSON-21
RISSON-08	RISSON-22
RISSON-09	RISSON-27
RISSON-10	RISSON-28
RISSON-11	RISSON-29
RISSON-12	RISSON-30
RISSON-18	RISSON-31
RISSON-19	RISSON-33
RISSON-20	RISSON-34

**Quantities Summary:**

Item	Quantity
Surface soil samples collected.	18 locations with 19 samples, two URS duplicates.

**ACTIVITIES PLANNED FOR Friday, July 23, 2004**

- ◆ Continuation of the surface soil sampling activities.

Attachments:

1. ;

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Friday, July 23, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
 URS Corporation, RI Field Manager

Date: Friday, July 23, 2004

No: DAR-RI04-07

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category* ex: Soil / Sediment Sampling Investigation

- ◆ Surface soil samples were collected from the former ponds and pads area and other onsite areas locations. No significant problems or difficulties were encountered.
- ◆ David Myers and Mark Wuttig verified the locations of the type 3 shallow soil sample sites. The surveyor had not staked nine locations in the 1983 spray area. (I missed providing all of the data points) These will be verified during Mark's next visit to the site. See the attached table for the explanation of each move made to the Type 3 location stakes.
- ◆ Collected Type 2 surface samples from:

RISSLT-01	RISSON-01
RISSLT-02	RISSON-03
RISSLT-03	RISSON-04
RISSLT-05	RISSON-05
RISSLT-06	RISSON-06
RISSMS-01	RISSON-07
RISSMS-02	RISSSA-01
RISSMS-03	RISSSA-02
	RISSSA-03

**Type 3 Sample Locations Moved**

Location ID	Comment
RISSRC-02	Moved ~100' north east to the upper bench
RISSRC-04	Moved ~15' WNW to the top of slope
RISSRC-06	Moved 20' west to the top of slope.
RISSRC-08	Moved 30' west to the top of slope.
RISSRC-08	Moved ~20' west
RISSRC-10	Moved down slope 10'
RISSRC-11	Moved along the contour 35' north
RISSRC-12	Moved along road to the south ~65'
RISSRC-16	Moved ~35' north along creek drainage
RISSRC-17	Moved 20 NE

**DAILY ACTIVITY REPORT**  
**Friday, July 23, 2004**

RISSRS-03	Offset on stake 6' west into road.
RISSRS-14	Moved ~5 east on to the top of berm.
RISSRS-23	Offset on stake 8' NE into road.
RISSRS-26	Offset 7' to the edge of the asphalt
RISSRS-28	Moved 20' south east into the fork in the road

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Surface soil samples collected.	17 locations with 18 samples, one duplicate.
Type 3 sample locations verified	48 sites visited, 15 moved, 9 need review

**ACTIVITIES PLANNED FOR Monday, July 26, 2004**

- ◆ Continuation of the surface soil sampling activities.
- ◆ Gregg Drilling Mobilizing on site in preparation for start of drilling activities on Tuesday, July 27, 2004.
- ◆ Mactec is mobilizing on site for the start of the geophysical pilot study.

Attachments:

1. ;

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Monday, July 26, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Deputy RI Field Manager

Date: Monday, July 26, 2004

No: DAR-RI04-08

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category* ex: Soil / Sediment Sampling Investigation

- ◆ Surface soil samples were collected from the liquid treatment, burial cell, central drainage, and capped landfill areas. No significant problems or difficulties were encountered.
- ◆ Roark Smith and Brian Hecker of Mactec were on-site with Mark Wuttig and Clark Scott to verify the seismic line and microgravity survey points.
- ◆ The surveyor surveyed one of three remaining capped landfill points (RISSCL-04; a discussion regarding the necessity of the two other points [RISSCL-05 and -06] is pending) and most of the Type 4 locations. T
- ◆ Gregg Drilling arrived on-site and received site-specific health and safety training and orientation.
- ◆ Collected Type 2 surface samples from:

RISSLT-04
RISSBC-01
RISSBC-02
RISSBC-03
RISSBC-04
RISSCD-01
RISSCD-02
RISSCD-03
RISSCL-04

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Surface soil samples collected.	9 locations with 11 samples, one duplicate (two samples from RISSCL-04).

**DAILY ACTIVITY REPORT**  
**Monday, July 26, 2004**

**ACTIVITIES PLANNED FOR Tuesday, July 27, 2004**

- ◆ Surveyor will continue to locate and stake Type 4 samples.
- ◆ Start of drilling activities for Type 3 samples with Gregg Drilling.
- ◆ Mactec is mobilizing on site for the start of the geophysical pilot study.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Wednesday, July 28, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, July 28, 2004

No: DAR-RI04-09

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ Shallow soil samples were collected from the RCRA canyon area using the track mounted direct-push drilling rig. No significant problems or difficulties were encountered, although we did have to hand auger one sample location because of the steepness of the grade and its proximity to the edge of the canyon.
- ◆ The surveyor started staking the Type 4 sample locations and will return on Wednesday to complete.
- ◆ Collected Type 3 shallow samples from:

RISSRS-16	RISSRC-13
RISSRS-17	RISSRS-04
RISSRC-12	RISSRS-05*
*duplicate collected	

*Activity Category ex: Geophysical Pilot Study*

- ◆ Mactec and their consultants Norcal Geophysical began the seismic reflection test along the toe of the landfill above the Gallery well.

**Quantities Summary:**

Item	Quantity
Shallow soil samples collected.	6 locations with 13 samples, one duplicate.

**ACTIVITIES PLANNED FOR Thursday, July 29, 2004**

- ◆ Continuation of the shallow soil sampling activities in the RCRA canyon.
- ◆ Mactec is continuing with the geophysical pilot study.

Attachments:

1. ;

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Wednesday, July 28, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, July 28, 2004

No: DAR-RI04-10

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ Shallow soil samples were collected from the RCRA canyon area using the track mounted direct-push drilling rig. No significant problems or difficulties were encountered.
- ◆ The surveyor completed staking the Type 3 sample locations that had been left off the previous staking round.
- ◆ Collected Type 3 shallow samples from:

RISSRS-03	RISSRC-04
RISSRC-08	RISSRC-05
RISSRC-10	RISSRS-22
RISSRC-09	RISSRC-07*
*duplicate collected	

*Activity Category ex: Geophysical Pilot Study*

- ◆ Mactec and their consultants Norcal Geophysical began the seismic refraction test along the toe of the landfill above the Gallery well. The first refraction spread was performed using 5-foot phone spacing along the east-west line. This line started near well SW-15.
- ◆ Gravity reading stations were established along the north-south profile in preparation for tomorrow's gravity survey.

**Quantities Summary:**

Item	Quantity
Shallow soil samples collected.	8 locations with 17 samples, one duplicate.
Seismic refraction data	~750 feet of data were obtained.

**DAILY ACTIVITY REPORT**  
**Wednesday, July 28, 2004**

**ACTIVITIES PLANNED FOR Thursday, July 29, 2004**

- ◆ Continuation of the shallow soil sampling activities in the RCRA canyon.
  
- ◆ Mactec is continuing with the geophysical pilot study. Continuation of the seismic refraction line as well as starting the micro-gravity survey.

Attachments:

1. ;

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Thursday, July 29, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Thursday, July 29, 2004

No: DAR-RI04-11

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ Shallow soil samples were collected from the RCRA canyon area using the track mounted direct-push drilling rig. No significant problems or difficulties were encountered.
- ◆ Collected Type 3 shallow samples from:

RISSRC-02*	RISSRC-15
RISSRC-03	RISSRC-16
RISSRC-11	RISSRC-14
*duplicate collected	

*Activity Category ex: Geophysical Pilot Study*

- ◆ Mactec and their consultants Norcal Geophysical began the completed the east west leg of the refraction test along the toe of the P/S landfill. The refraction spread was performed using 12.5-foot geophone spacing and 100 foot shot point intervals and 200 foot step-out shots off of each end of the array. The geophone array length was ~1200 feet total array length with 15 shot points.
- ◆ Began microgravity survey with a 300 foot north to south transect at the top of the P/S landfill.

*Activity Category ex: Piezometer and Chemical quality well Installation*

- ◆ Mactec was on site to stake their planned well, CPT and piezometer locations.

**DAILY ACTIVITY REPORT**  
**Thursday, July 29, 2004**

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Shallow soil samples collected.	6 locations with 13 samples, one duplicate.
Micro-gravity pilot study	300 feet of survey
Seismic refraction data	~1200 feet of data were obtained.

**ACTIVITIES PLANNED FOR Friday, July 30, 2004**

- ◆ Continuation of the shallow soil sampling activities in the RCRA canyon area and "Remaining On-Site Area" south of the canyon.
- ◆ Mactec is continuing with the geophysical pilot study. Continuation of the seismic refraction line as well as continuing the micro-gravity survey.

Attachments:

1.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Friday, July 30, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Friday, July 30, 2004

No: DAR-RI04-12

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ Shallow soil samples were collected from the southwestern portion of the Remaining On-Site area using the track mounted direct-push drilling rig. No significant problems or difficulties were encountered.
- ◆ Collected Type 3 shallow samples from:

RISSRS-27	RISSRS-28
RISSRC-17*	RISSRS-01
RISSRS-25	RISSRS-23
RISSRS-26	RISSRS-24
*duplicate collected	

*Activity Category ex: Geophysical Pilot Study*

- ◆ Mactec and their consultants Norcal Geophysical completed the north south leg of the refraction test along the length of the P/S landfill. The refraction array was performed was 1200 feet long with 200 foot step-out shots off of each end of the array, for a total spread of ~1600 feet.
- ◆ Mapped the seismic lines with the GPS.
- ◆ Completed 600 feet of micro gravity survey along an east west transect on the P/S landfill.

**Quantities Summary:**

Item	Quantity
Shallow soil samples collected.	8 locations with 17 samples, one duplicate.
Micro-gravity pilot study	600 feet of survey
Seismic refraction data	~1600 feet of data were obtained.

**DAILY ACTIVITY REPORT**  
**Friday, July 30, 2004**

**ACTIVITIES PLANNED FOR Monday, August 2, 2004**

- ◆ Continuation of the shallow soil sampling activities in the "Remaining On-Site Area" south of the canyon and working to the east.
- ◆ Mactec will begin the seismic refraction production survey as well as continuing the micro-gravity survey.
- ◆ ERM will be on site with Gregg Drilling to start the UVIF CPT activities.

Attachments:

1.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Monday, August 02, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Monday, August 2, 2004

No: DAR-RI04-13

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ Shallow soil samples were collected from the southwestern portion of the Remaining On-Site area using the track mounted direct-push drilling rig. No significant problems or difficulties were encountered.
- ◆ Collected Type 3 shallow samples from:

RISSA-07	RISSA-06*
RISSRS-02	RISSA-08
RISSRC-01	RISSA-09
RISSA-12	RISSA-10
*duplicate collected	

*Activity Category ex: Geophysical Pilot Study*

- ◆ Mactec and their consultants Norcal Geophysical started the production refraction survey at the area above the burial trench area.
- ◆ Completed 700 feet of micro gravity survey along an east-west survey transect on the P/S landfill.

*Activity Category ex: UVIF NAPL Study*

- ◆ ERM was on site with Gregg Insitu to begin the UVIF NAPL study.
- ◆ Performed one UVIF push at the offsite location south west of the landfill. Problems occurred with the automatic decon system that required the contractor to perform repairs before the rig could be moved to the next planned locations. One push to 56 feet was advanced and grouted.

**Quantities Summary:**

**DAILY ACTIVITY REPORT**  
**Monday, August 02, 2004**

<b>Item</b>	<b>Quantity</b>
Shallow soil samples collected.	8 locations with 17 samples, one duplicate.
Micro-gravity pilot study	700 feet of survey
Seismic refraction data	~1200 feet of data were obtained.

**ACTIVITIES PLANNED FOR Tuesday, August 3, 2004**

- ◆ Continuation of the shallow soil sampling activities in the "Remaining On-Site Area" south of the canyon and working to the east.
- ◆ Mactec will continue the seismic refraction production survey as well as continuing the micro-gravity survey.
- ◆ ERM will be on site with Gregg Drilling to continue the UVIF CPT activities.

Attachments:

1.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Tuesday, August 03, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Tuesday, August 3, 2004

No: DAR-RI04-14

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ Shallow soil samples were collected using the track mounted direct-push drilling rig. No significant problems or difficulties were encountered.
- ◆ Collected Type 3 shallow samples from:

RISSA-04	RISSRS-18
RISSRC-18	RISSRS-19
RISSA-05	RISSRS-20*
RISSA-11*	RISSRS-21
*duplicate collected	

*Activity Category ex: Geophysical Pilot Study*

- ◆ Mactec and their consultants Norcal Geophysical continued with the production refraction survey the northeast corner of the site.
- ◆ Completed two surveys for a total of 2400 feet for the day.
- ◆ Completed 200 feet of micro gravity survey along an east-west survey transect on the P/S landfill. Resumed the survey along a north to south transect for 500 feet of survey, with a total of 700 feet for the day.

*Activity Category ex: UVIF NAPL Study*

- ◆ ERM was on site with Gregg Insitu to continue the UVIF NAPL study.
- ◆ Performed one UVIF push at the gallery well location and one at the Well 9B location. Some problems occurred early in the day with the equipment that were resolved but did lead to some delays.

**Quantities Summary:**

**DAILY ACTIVITY REPORT**  
**Tuesday, August 03, 2004**

<b>Item</b>	<b>Quantity</b>
Shallow soil samples collected.	8 locations with 18 samples, two duplicate.
Micro-gravity pilot study	700 feet of survey
UVIF Survey	2 locations
Seismic refraction data	~2400 feet of data were obtained.

**ACTIVITIES PLANNED FOR Wednesday, August 4, 2004**

- ◆ Continuation of the shallow soil sampling activities on the east side of the RCRA canyon as well as the remaining road samples.
- ◆ Mactec will continue the seismic refraction production survey as well as continuing the micro-gravity survey.
- ◆ ERM will be on site with Gregg Drilling to continue the UVIF CPT activities.

Attachments:

1.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Wednesday, August 04, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, August 04, 2004

No: DAR-RI04-15

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ Shallow soil samples were collected using the track mounted direct-push drilling rig. No significant problems or difficulties were encountered.
- ◆ Collected Type 3 shallow samples from:

RISSRS-08 **	RISSRS-09
RISSRS-29*	RISSRS-10*
RISSRS-07	RISSRS-11
RISSRS-15*	RISSRS-12
*duplicate collected, ** EPA Split	

*Activity Category ex: Geophysical Pilot Study*

- ◆ Mactec and their consultants Norcal Geophysical continued with the production refraction survey to the west of P/S landfill.
- ◆ Completed two surveys, one to 1200' and the other to 1300' for a total of 2500 feet for the day.
- ◆ Completed 300 feet of micro gravity survey along an the north-south survey transect on the P/S landfill. Co-located activities required the completion of the survey to postponed until tomorrow.

*Activity Category ex: UVIF NAPL Study*

- ◆ ERM was on site with Gregg Insitu to continue the UVIF NAPL study.
- ◆ Performed three UVIF pushes on the site, one in the burial trench area, one in the drainage below the P/S landfill and the other collocated with the earlier push at the gallery well. Locations surveyed RISBBC-04, RISBCD-06 and RISBCL-01.

**DAILY ACTIVITY REPORT**  
**Wednesday, August 04, 2004**

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Shallow soil samples collected.	8 locations with 19 samples, three duplicates.
Micro-gravity pilot study	700 feet of survey
UVIF Survey	2 locations
Seismic refraction data	~2400 feet of data were obtained.

**ACTIVITIES PLANNED FOR Thursday, August 5, 2004**

- ◆ Continuation of the shallow soil sampling activities on the roads and other on site areas.
- ◆ Mactec will continue the seismic refraction production survey as well as continuing the micro-gravity survey.
- ◆ ERM will be on site with Gregg Drilling to continue the UVIF CPT activities.

Attachments:

1.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Thursday, August 05, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Thursday, August 05, 2004

No: DAR-RI04-16

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ The type 3 Shallow soils sampling program was completed today. The samples were collected using the track mounted direct-push drilling rig. No significant problems or difficulties were encountered.
- ◆ Collected Type 3 shallow samples from:

RISSRS-14	RISSRS-06
RISSRC-06*	RISSON-32
RISSRS-13	
*Duplicate collected	

*Activity Category ex: Geophysical Pilot Study*

- ◆ Mactec and their consultants Norcal Geophysical continued with the production refraction survey to the west of P/S landfill.
- ◆ Completed two surveys, one to 1100' and the other to 1300' for a total of 2500 feet for the day.
- ◆ Completed the micro gravity survey pilot study for the site. Collected measurements from 18 locations on site. In addition, the offsite base station was located and loop measurements were established to tie in the regional gravity survey to the Casmalia measurements.

*Activity Category ex: UVIF NAPL Study*

- ◆ ERM was on site with Gregg Insitu to continue the UVIF NAPL study.
- ◆ Performed one UVIF push at location RISBBC-01, which is a dual MIPS and UVIF survey location. Pushed the CPT only at two additional locations, RICPT-04 and RICPT-01.

**DAILY ACTIVITY REPORT**  
**Thursday, August 05, 2004**

- ◆ Collected two soil samples for the "Jar" test from a push boring adjacent to location RISBCD-09. Two samples were collected with three jars prepared to evaluate the presence or absence of NAPL in the soils.

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Shallow soil samples collected.	5 locations with 11 samples, one duplicate.
Micro-gravity pilot study	18 locations surveyed
CPT Survey	2 locations
UVIF Survey	1 location
Seismic refraction data	~2400 feet of data were obtained.

**ACTIVITIES PLANNED FOR Friday, August 6, 2004**

- ◆ Start of the Medium Type 4 soil sampling activities in the RCRA canyon area.
- ◆ Mactec will continue the seismic refraction production survey for the site.
- ◆ ERM will be on site with Gregg Drilling to continue the UVIF profiles adjacent to the locations slated for the MIPS program.

Attachments:

1.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Friday, August 06, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Friday, August 06, 2004

No: DAR-RI04-17

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ We started the type 4 soil-sampling program. The samples were collected using the track mounted hollow stem auger rig. No significant problems or difficulties were encountered.
- ◆ Collected Type 3 shallow samples from:

RISBRC-22	RISBRC-11
	RISBRC-05

*Activity Category ex: Geophysical Pilot Study*

- ◆ Mactec and their consultants Norcal Geophysical continued with the production refraction survey to the south of P/S landfill.
- ◆ Completed one survey, for a total of 1300 feet for the day.
- ◆ Pacific Engineering began surveying the microgravity points for final control.

*Activity Category ex: UVIF NAPL Study*

- ◆ ERM was on site with Gregg Insitu to continue the UVIF NAPL study.
- ◆ Performed five UVIF pushes at locations:

RISBCD-11	RISBBC-02	RISBBC-03
RISBBC-05	RISBON-67	

**Quantities Summary:**

Item	Quantity
Medium soil samples collected.	3 locations with 12 samples.

**DAILY ACTIVITY REPORT**  
**Friday, August 06, 2004**

UVIF Survey	5 locations for ~170 feet of survey.
Seismic refraction data	~1300 feet of data were obtained.

**ACTIVITIES PLANNED FOR Monday, August 9, 2004**

- ◆ Continue with the Medium Type 4 soil sampling activities in the RCRA canyon area.
- ◆ Mactec will continue the seismic refraction production survey for the site.
- ◆ ERM will be on site with Gregg Drilling to continue the UVIF profiles adjacent to the locations slated for the MIPS program. Vironex will be on site with the MIPS system to begin the survey adjacent to UVIF locations.

Attachments:

1.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Monday, August 9, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Monday, August 09, 2004

No: DAR-RI04-18

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ We continued the type 4 soil-sampling program. The samples were collected using the track mounted hollow stem auger rig. No significant problems or difficulties were encountered.
- ◆ Collected Type 4 medium samples from:

RISBRC-21

*Activity Category ex: Geophysical Pilot Study*

- ◆ Mactec and their consultants Norcal Geophysical continued with the production refraction survey to the west of P/S landfill.
- ◆ Completed two surveys, one a 950 foot line and another a 400 foot line for a total of 1350 feet for the day.
- ◆ Performed GPS mapping survey to locate Line 9 and Line 8.
- ◆ Marked alignment for Line 10 to be surveyed on Tuesday.

*Activity Category ex: UVIF NAPL Study*

- ◆ ERM was on site with Gregg Insitu to continue the UVIF NAPL study and to begin the MIPS study at locations we have previously pushed the UVIF instrument.
- ◆ Performed two UVIF pushes at locations:

RISBCD-08	RISBCD-13

**DAILY ACTIVITY REPORT**  
**Monday, August 9, 2004**

- ◆ Performed one MIPS push at location:

RISBBC-04-MIP

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Medium soil samples collected.	1 location with 3 samples.
UVIF Survey	2 locations.
Seismic refraction data	~1350 feet of data were obtained.

**ACTIVITIES PLANNED FOR Tuesday, August 10, 2004**

- ◆ Continue with the Medium Type 4 soil sampling activities in the RCRA canyon area.
- ◆ Mactec will continue the seismic refraction production survey for the site.
- ◆ ERM will be on site with Gregg Drilling to continue the MIPS profiles adjacent to the locations previously surveyed with the UVIF system. Vironex will be on site with the MIPS system to continue the survey adjacent to UVIF locations.

Attachments:

1.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Tuesday, August 10, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Tuesday, August 10, 2004

No: DAR-RI04-19

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category* ex: Soil / Sediment Sampling Investigation

- ◆ We continued the type 4 soil-sampling program. The samples were collected using the track mounted hollow stem auger rig. No significant problems or difficulties were encountered.
- ◆ Collected Type 4 medium samples from:

RISBON-13	RISBRC-23*
RISBRC-19	RISBRC-14
RISBRC-20	
* Duplicate sample	

*Activity Category* ex: Geophysical Pilot Study

- ◆ Mactec and their consultants Norcal Geophysical continued with the production refraction survey to the west of P/S landfill.
- ◆ Completed two surveys, a 1500-foot line and another a 1600-foot line for a total of 3100 feet for the day.

*Activity Category* ex: UVIF NAPL Study

- ◆ ERM was on site with Gregg Insitu to continue the MIPS NAPL study and at locations we have previously pushed the UVIF instrument.
- ◆ Performed four MIPS pushes at locations:

RISBBC-03-MIP	RISBBC-04-MIP
RISBBC-11-MIP	RISBOF-01-MIP

**DAILY ACTIVITY REPORT**  
**Tuesday, August 10, 2004**

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Medium soil samples collected.	5 location with 16 samples.
UVIF Survey	4 locations.
Seismic refraction data	~3100 feet of data were obtained.

**ACTIVITIES PLANNED FOR Wednesday, August 11, 2004**

- ◆ Continue with the Medium Type 4 soil sampling activities in the RCRA canyon area.
- ◆ Mactec will continue the seismic refraction production survey for the site.
- ◆ ERM will be on site with Gregg Drilling to continue the MIPS profiles adjacent to the locations previously surveyed with the UVIF system. Vironex will be on site with the MIPS system to continue the survey adjacent to UVIF locations.

Attachments:

1.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Wednesday, August 11, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, August 11, 2004

No: DAR-RI04-20

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category* ex: Soil / Sediment Sampling Investigation

- ◆ We continued the type 4 soil-sampling program. The samples were collected using the track mounted hollow stem auger rig. No significant problems or difficulties were encountered.
- ◆ Collected Type 4 medium samples from:

RISBON-45	RISBRC-08
RISBON-46	RISBRC-13
RISBRC-09	RISBRC-18

*Activity Category* ex: Geophysical Pilot Study

- ◆ Mactec and their consultants Norcal Geophysical continued with the production refraction survey to the west of P/S landfill.
- ◆ Completed two surveys, a 1300-foot line and another a 1600-foot line for a total of 2900 feet for the day.

*Activity Category* ex: UVIF NAPL Study

- ◆ ERM was on site with Gregg Insitu to continue the MIPS NAPL study and at locations we have previously pushed the UVIF instrument.
- ◆ Performed four MIPS pushes at locations:

RISBCD-06-MIP	RISBCD-09-MIP
RISBCD-09A-MIP	RISBCL-01-MIP

**DAILY ACTIVITY REPORT**  
**Wednesday, August 11, 2004**

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Medium soil samples collected.	6 locations with 18 samples.
MIPS Survey	3 Locations with 4 pushes.
Seismic refraction data	~2900 feet of data were obtained.

**ACTIVITIES PLANNED FOR Thursday, August 12, 2004**

- ◆ Continue with the Medium Type 4 soil sampling activities in the RCRA canyon area.
- ◆ Mactec will continue the seismic refraction production survey for the site.
- ◆ ERM will be on site with Gregg Drilling to continue the MIPS profiles adjacent to the locations previously surveyed with the UVIF system. Vironex will be on site with the MIPS system to continue the survey adjacent to UVIF locations.

Attachments:

1.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Thursday, August 12, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Thursday, August 12, 2004

No: DAR-RI04-21

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category* ex: Soil / Sediment Sampling Investigation

- ◆ We continued the type 4 soil-sampling program. The samples were collected using the track mounted hollow stem auger rig. No significant problems or difficulties were encountered.
- ◆ Collected Type 4 medium samples from:

RISBON-01	RISBRC-07
RISBON-17*	RISBSA-03
RISBRC-15	RISBSA-05
*duplicate collected	

*Activity Category* ex: Geophysical Pilot Study

- ◆ Mactec and their consultants Norcal Geophysical continued with the production refraction survey to the west of P/S landfill.
- ◆ Completed two surveys, a 1500-foot line and another a 1600-foot line for a total of 3100 feet for the day.

*Activity Category* ex: UVIF/MIPS NAPL Study

- ◆ ERM was on site with Gregg Insitu to continue the MIPS NAPL study and at locations we have previously pushed the UVIF instrument.
- ◆ Performed one MIPS push at locations:

RISBBC-05-MIP

- ◆ Performed three CPT soil sample pushes at locations:

RISBCD-11A	RISBCL-01B*
RISBCL-01C	
*no recovery	

**DAILY ACTIVITY REPORT**  
**Thursday, August 12, 2004**

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Medium soil samples collected.	6 locations with 19 samples.
MIPS Survey	1 Location
CPT soil samples collected	2 samples collected.
Seismic refraction data	~3100 feet of data were obtained.

**ACTIVITIES PLANNED FOR Friday, August 13, 2004**

- ◆ Continue with the Medium Type 4 soil sampling activities in the RCRA canyon area.
- ◆ Mactec will complete the seismic refraction production survey for the site.
- ◆ ERM will be on site with Gregg Drilling to continue the CPT profiles adjacent to the locations with previous boring logs associated with them.

Attachments:

1.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Friday, August 13, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Friday, August 13, 2004

No: DAR-RI04-22

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ We continued the type 4 soil-sampling program. The samples were collected using the track mounted hollow stem auger rig. No significant problems or difficulties were encountered.
- ◆ Collected Type 4 medium samples from:

RISBON-02
RISBON-18
RISBON-04*
*duplicate

*Activity Category ex: Geophysical Pilot Study*

- ◆ Mactec and their consultants Norcal Geophysical completed the production refraction survey of the P/S landfill.
- ◆ Completed one seismic refraction survey of 1600'. Sixteen of sixteen planned surveys were completed. De-mobilized contractors and equipment.
- ◆ GPS mapped the seismic lines SL-10 through SL-16.

*Activity Category ex: UVIF/MIPS NAPL Study*

- ◆ ERM was on site with Gregg Insitu to continue the CPT confirmation study at areas of previous soil borings.
- ◆ Performed two CPT soil sample pushes at locations:

RICPT-02	RICPT-03
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**DAILY ACTIVITY REPORT**  
**Friday, August 13, 2004**

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Medium soil samples collected.	3 locations with 10 samples.
CPT Locations	2 locations pushed.
Seismic refraction data	~1600 feet of data were obtained.

**ACTIVITIES PLANNED FOR Monday, August 16, 2004**

- ◆ Continue with the Medium Type 4 soil sampling activities in the A-series Ponds area.
- ◆ The Gamma walkover study will mobilize and get started.

Attachments:

1.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**August 16, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Monday, August 16, 2004

No: DAR-RI04-23

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ We continued the type 4 soil-sampling program. The samples were collected using the track mounted hollow stem auger rig. One sample boring was located down the slope of the Pond A4 and had to be hand augered to the total depth of 10 feet. No significant problems or difficulties were encountered.
- ◆ Collected Type 4 medium samples from:

RISBON-03	RISBON-20
	RISBON-02*
*resampled for EPA split samples only	

*Activity Category ex: Gamma Walkover Survey*

- ◆ URS was on site to begin the Gamma walkover survey.
- ◆ Completed one offsite survey line in the Casmalia Creek drainage west of the site.

**Quantities Summary:**

Item	Quantity
Medium soil samples collected.	3 locations with 6 samples.
Gamma Walk-over surveys	1 survey line completed.

**ACTIVITIES PLANNED FOR Tuesday, August 17, 2004**

- ◆ Continue with the Medium Type 4 soil sampling activities in the A-series Ponds area.

**DAILY ACTIVITY REPORT**  
**August 16, 2004**

- ◆ The Gamma walkover study will continue with the first line to be the northern drainage background survey.
- ◆ Geosyntec will be on site to do the soil gas pilot study.

Attachments:

1.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**August 17, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Tuesday, August 17, 2004

No: DAR-RI04-24

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ We started the creek sediment sampling program in the lower Casmalia drainage. Access issues in the north drainage area prevented us from completing the sampling efforts in that area. Discussions will be had with the EPA representatives regarding contingent locations before proceeding.
- ◆ Collected Type 8a sediment samples from:

RISEOF-01	RISEOF-02
RISEOF-03*	RISEOF-04
RISEOF-05	RISEOF-06
* duplicate	

*Activity Category ex: Gamma Walkover Survey*

- ◆ URS was on site to continue the Gamma walkover survey.
- ◆ Completed one offsite survey line in the North Drainage and the three western-most survey lines in the RCRA canyon.

*Activity Category ex: Soil Gas Pilot Study*

- ◆ Geosyntec was on site to perform the soil gas pilot study. A small problem with leaky fittings required some repeat samples but other than that the sampling of three locations was completed.

**Quantities Summary:**

Item	Quantity
Creek Six sediment samples.	6 locations with 7 samples.
Gamma Walk-over surveys	4 survey line completed.
Soil Gas survey pilot study	3 locations sampled, one

**DAILY ACTIVITY REPORT**  
**August 17, 2004**

EPA split sample collected.

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**ACTIVITIES PLANNED FOR Wednesday, August 18, 2004**

- ◆ Continue with the Medium Type 4 soil sampling activities in the A-series Ponds area.
- ◆ The Gamma walkover study will continue in the RCRA canyon.

Attachments:

1.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**August 18, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, August 18, 2004

No: DAR-RI04-25

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ We started the creek water-sampling program in the lower Casmalia drainage. Lack of water in the A-drainage will require that sample to be dropped as part of this initial sampling effort. Discussions are taking place regarding the sampling of the North Drainage due to lack of flowing water. What little water that does exist in the drainage is only in the deepest erosion cuts and is stagnate during this part of the season.
- ◆ Collected Type 9 surface water sample from:

RISWOF-05
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*Activity Category ex: Gamma Walkover Survey*

- ◆ URS was on site to complete the Gamma walkover survey.
- ◆ Completed the three eastern-most survey lines in the RCRA canyon.

*Activity Category ex: Shallow to Medium Type 4 Soil Sampling*

- ◆ Continued the shallow to medium Type 4 soil sampling program. One location needed to be hand augered due to rig access, but other than that there were no problems encountered.

RISBON-14*	RISBON-19	RISBRC-10*
RISBRC-12	RISBRC-17	*duplicate

**Quantities Summary:**

Item	Quantity
Creek surface water sample.	1 location sampled with one EPA

**DAILY ACTIVITY REPORT**  
**August 18, 2004**

Gamma Walk-over surveys	split sample collected 3 survey lines completed, the survey is completed.
Type 4 shallow soil sampling	5 locations for 17 samples. 2 duplicates

**ACTIVITIES PLANNED FOR Thursday, August 19, 2004**

- ◆ Continue with the Medium Type 4 soil sampling activities in the A-series Ponds area.
- ◆ Continue the creek surface water sampling and offsite creek sediment sampling.

Attachments:

1.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**August 19, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Thursday, August 19, 2004

No: DAR-RI04-26

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling Investigation*

- ◆ URS continued the sediment (Type 8a) sampling program in the North D drainage. Discussions regarding sediment sampling in areas where no flowing water is present resulted in a decision from Mark Wuttig of CH2MHill and David Myers of URS to sample those areas in a similar manner as the Type 2 samples, i.e. with the steel manual drive sampler equipped with a stainless steel core barrel and 2" x 6" stainless steel rings. Samples will be collected from 0 to approximately 6 inches below the ground surface in those locations.
- ◆ Collected Type 8a sediment sample from

RISEOF-10 <sup>+</sup>
<sup>+</sup> CH2MHill split sample location

*Activity Category ex: Surface water (Type 9) sampling*

- ◆ URS continued the creek water (Type 9) sampling program in the Casmalia Creek drainage.
- ◆ Collected Type 9 surface water samples from:

RISWOF-03 <sup>+</sup>
RISWOF-04 * <sup>+</sup>
*duplicate sample collected from this location
<sup>+</sup> CH2Mhill/EPA split sample location

**DAILY ACTIVITY REPORT**  
**August 19, 2004**

*Activity Category* ex: Shallow to Medium Type 4 Soil Sampling

- ◆ Continued the shallow to medium Type 4 soil sampling program. No problems were encountered.

RISBSA-01	RISBON-06
RISBSA-02	RISBON-07*
RISBSA-04*	RISBON-16
RISBON-05	RISBON-27*
*duplicate	

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Creek surface water sample.	2 locations sampled with one duplicate sample, and 2 EPA split samples collected
Soil/sediment sample	1 location sampled, with one EPA split sample collected
Type 4 shallow soil sampling	8 locations for 27 samples. 3 duplicates

**ACTIVITIES PLANNED FOR Friday, August 20, 2004**

- ◆ Continue the offsite creek soil/sediment sampling at locations in the A and North D drainages where URS and CH2MHill do not have split samples planned

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**August 20, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Friday, August 20, 2004

No: DAR-RI04-27

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAYS ACTIVITES**

*Activity Category ex: Soil / Sediment Sampling (Type 8a) Investigation*

- ◆ URS continued the sediment (Type 8a) sampling program in the North D and A drainages. Sediment samples were collected from two locations (RISEOF-07, and -08) in A drainage as surface soil samples due to a lack of flowing water. One location in the North D drainage (RISEOF-11) was moved to the northwest with concurrence from Dan Jablanski (CH2MHill). The original location was located at the bottom of a deeply incised portion of the ravine. The location was moved on the basis that the sampling point was more representative of a depositional environment, and presented fewer risks to health and safety with respect to access and egress. RISEOF-11 was collected as a surface soil sample due to lack of flowing water. Poned (stagnant) water was located near the mapped location for RISEOF-12, and a subaqueous sediment sample was collected in that location.
- ◆ Collected Type 8a sediment samples from

RISEOF-07
RISEOF-08
RISEOF-11
RISEOF-12

**Quantities Summary:**

Item	Quantity
Soil/sediment sample	4 locations for 4 samples

**ACTIVITIES PLANNED FOR Monday, August 23, 2004**

- ◆ Continue the offsite creek soil/sediment sampling at locations in the A and North D drainages where URS and CH2MHill have split samples planned. Continue Type 4 soil sampling in south-central and/or southeastern on-site areas.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**August 23, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Monday, August 23, 2004

No: DAR-RI04-28

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Soil / Sediment Sampling (Type 8a) Investigation*

- ◆ URS continued the sediment (Type 8a) sampling program in the North and A drainages. Sediment samples were collected from one location (RISEOF-09) in A drainage and one location in the North drainage (RISEOF-13). Both samples were collected as surface soil samples due to a lack of flowing water.
- ◆ Collected Type 8a sediment samples from

RISEOF-09 <sup>+</sup>
RISEOF-13 <sup>+</sup>
<sup>+</sup> CH2MHill/EPA split sample location

*Activity Category ex: Shallow to Medium Type 4 Soil Sampling*

- ◆ Continued the shallow to medium Type 4 soil sampling program. One boring (RISBRC-16) was hand augered due to inaccessibility for the limited access rig. No other problems were encountered.

RISBRC-16
RISBON-25
RISBON-26 <sup>+</sup>
RISBON-77*
*duplicate
<sup>+</sup> CH2MHill/EPA split sample location

**DAILY ACTIVITY REPORT**  
**August 23, 2004**

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Soil/sediment sample	2 locations sampled, with two EPA split samples collected
Type 4 shallow soil sampling	4 locations and 13 samples. One duplicate, and one EPA split sample collected

**ACTIVITIES PLANNED FOR Tuesday, August 24, 2004**

- ◆ Drill and collect soil samples from one deep soil (Type 6) boring (RISBBC-05) in the burial cell area where CPT data has previously been collected, and continue Type 4 soil sampling in central on-site areas.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**August 24, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Tuesday, August 24, 2004

No: DAR-RI04-29

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Soil Sampling (Type 6) Investigation

- ◆ URS advanced one deep soil boring (RISBBC-05) and collected soil samples from a location in the burial cell area near a previous CPT/NAPL investigation (Type 7) boring. No problems were encountered.
- ◆ Collected Type 6 soil samples from

RISBBC-05
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*Activity Category* ex: Shallow to Medium Type 4 Soil Sampling

- ◆ Continued the shallow to medium Type 4 soil sampling program. No problems were encountered.

RISBON-78
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RISBON-24*
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*duplicate
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**Quantities Summary:**

Item	Quantity
Type 6 deep soil sampling	1 location sampled, with 3 soil samples.
Type 4 shallow soil sampling	3 locations and 10 samples. One duplicate

**ACTIVITIES PLANNED FOR Wednesday, August 25, 2004**

- ◆ Continue Type 4 soil sampling in central and south-central on-site areas.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**August 25, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Wednesday, August 25, 2004

No: DAR-RI04-30

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Shallow to Medium Type 4 Soil Sampling

- ◆ Continued the shallow to medium Type 4 soil sampling program. No problems were encountered.

RISBON-08
RISBON-23
RISBON-28 <sup>+</sup>
RISBON-37*
RISBON-28
RISBON-39
RISBON-41*
*duplicate
<sup>+</sup> CH2MHill/EPA split sample location

**Quantities Summary:**

Item	Quantity
Type 4 shallow soil sampling	7 locations and 23 samples. Two duplicates, and one EPA split sample collected

**ACTIVITIES PLANNED FOR Thursday, August 26, 2004**

- ◆ Continue Type 4 soil sampling in central on-site areas.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**August 26, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Thursday, August 26, 2004

No: DAR-RI04-31

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Shallow to Medium Type 4 Soil Sampling

- ◆ Continued the shallow to medium Type 4 soil sampling program. No problems were encountered.

RISBON-09
RISBON-22
RISBON-29 <sup>+</sup>
RISBON-30 <sup>+</sup>
RISBON-34 <sup>*</sup>
RISBON-35
RISBON-36
*duplicate
<sup>+</sup> CH2MHill/EPA split sample location

**Quantities Summary:**

Item	Quantity
Type 4 shallow soil sampling	7 locations and 22 samples. One duplicate, and two EPA split samples collected

**ACTIVITIES PLANNED FOR Friday, August 27, 2004**

- ◆ Continue Type 4 soil sampling in central on-site areas. Meet with Mark Wuttig of CH2MHill to clear remainder of Type 4 samples, and approve a surface water sampling location in the North Drainage.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**August 27, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Friday, August 27, 2004

No: DAR-RI04-32

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Shallow to Medium Type 4 Soil Sampling

- ◆ Continued the shallow to medium Type 4 soil sampling program. No problems were encountered.

RISBON-10
RISBON-11*
RISBON-40
*duplicate

- ◆ Cleared remainder of Type 4 sampling locations with the exception of four locations (RISBON-76, RISBCD-01, RISBCD-02, and RISBCD-03) that were not able to be located in the field.

**Quantities Summary:**

Item	Quantity
Type 4 shallow soil sampling	3 locations and 10 samples. One duplicate collected

**ACTIVITIES PLANNED FOR Monday, August 30, 2004**

- ◆ Continue Type 4 soil sampling in central and southern on-site areas. Meet with Mark Wuttig of CH2MHill to observe pond sediment sampling locations, especially in areas that may be dry due to low water conditions in the ponds. Mactec and Gregg Drilling's CPT rig will mobilize to the site to begin piezometer installation.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**August 30, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Monday, August 30, 2004

No: DAR-RI04-33

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Shallow to Medium Type 4 Soil Sampling

- ◆ Continued the shallow to medium Type 4 soil sampling program. No problems were encountered.

RISBON-48	RISBON-47
RISBON-15	RISBON-31*
RISBON-32	RISBON-21*
*duplicate sample collected	

*Activity Category* ex: Pond Sediment Sampling

- ◆ Cleared each of the proposed locations for the sediment sampling with Mark Wuttig. Two locations, RISETL-04 and RISESP-06, will be left as dry samples to be collected with the drill rig. The remainder will be sampled as proposed or moved slightly to allow barge access to be completed in the pond bottoms.

*Activity Category* ex: CPT/Geoprobe Piezometer installation

- ◆ Mactec was on site with their drilling contractor Gregg Drilling in order to begin installing the Geoprobe constructed piezometers. Initial work in the lower A-drainage had some difficulties with recovery. Contact was made with the drilling contractor in order to find a solution.

**Quantities Summary:**

Item	Quantity
Type 4 shallow soil sampling	6 locations and 20 samples. Two duplicates collected
Installation of piezometer	Began one location.

**ACTIVITIES PLANNED FOR Tuesday, August 31, 2004**

- ◆ Continue Type 4 soil sampling in central and southern on-site areas.
- ◆ Begin the Pond sediment sampling activities.

**DAILY ACTIVITY REPORT**  
**August 30, 2004**

- ◆ Continue with the Piezometer well installations.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**August 31, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
 URS Corporation, RI Field Manager

Date: Tuesday, August 31, 2004

No: DAR-RI04-34

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Shallow to Medium Type 4 Soil Sampling*

- ◆ Continued the shallow to medium Type 4 soil sampling program. No problems were encountered.

RISBON-49*	RISBON-43
RISBON-50	RISBON-44
RISBON-12	RISBON-42
*duplicate sample collected	

*Activity Category ex: Pond Sediment Sampling*

- ◆ Attempted to collect a sediment sample for RCF Pond with the TEG vibercore system. The system was unable to penetrate below the soft sediment level, (the upper 1.5 feet) of the pond bottom.

*Activity Category ex: Creek Surface Water Sampling*

- ◆ RISOF-10 creek sample was collected from the north drainage.

*Activity Category ex: CPT/Geoprobe Piezometer installation*

- ◆ Mactec was on site with their drilling contractor Gregg Drilling in order to continue the installation of the Geoprobe constructed piezometers.

RIPZ-04	Core collected from 20' to 26', refusal at 26'
RIPZ-03	Core collected to 34.5', refusal @ 34.5'
	Third attempt yielded a piezometer installed @ 17'-27'.

**Quantities Summary:**

Item	Quantity
Type 4 shallow soil sampling	6 locations and 19 samples. One duplicate collected
Installation of piezometers	Install one piezo, begin one boring.

**DAILY ACTIVITY REPORT**  
**August 31, 2004**

**ACTIVITIES PLANNED FOR Wednesday, September 1, 2004**

- ◆ Continue Type 4 soil sampling in central and southern on-site areas.
- ◆ Continue evaluating the use of the TEG system to complete the Pond sediment sampling activities.
- ◆ Continue with the Piezometer well installations.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**September 1, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, September 1, 2004

No: DAR-RI04-35

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Shallow to Medium Type 4 Soil Sampling*

- ◆ Continued the shallow to medium Type 4 soil sampling program. No problems were encountered.

RISBLT-11	RISBMS-06
RISBLT-12	RISBMS-12*
RISBMS-05*	
*Duplicate sample collected	

*Activity Category ex: Pond Sediment Sampling*

- ◆ Surveyed the bottom of Pond 13, Pond A-5 and the A-Series ponds with a heavy pointed pole to evaluate the sediment thicknesses. We found that the pond sediments varied in thickness from < 0.2' to ~3.0' thick. With a majority being in the 0.5' to 1.5' range. The decision was made to de-mob the TEG rig and reevaluate the sampling method.

*Activity Category ex: CPT/Geoprobe Piezometer installation*

- ◆ Mactec was on site with their drilling contractor Gregg Drilling in order to continue the installation of the Geoprobe constructed piezometers.

RIPZ-04	Installed piezo, screened 22' -32'
RIPZ-07	Drilled to refusal at 38' left open to evaluate water level.

**Quantities Summary:**

Item	Quantity
Type 4 shallow soil sampling	5 locations and 17 samples. Two duplicates collected.
Installation of piezometers	Install one piezo, begin one boring.

**DAILY ACTIVITY REPORT**  
**September 1, 2004**

**ACTIVITIES PLANNED FOR Thursday, September 2, 2004**

- ◆ Continue soil-sampling beginning to sampling the Type 6 in central and southern on-site areas.
- ◆ Continue with the Piezometer well installations.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**September 2, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Thursday, September 2, 2004

No: DAR-RI04-36

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Shallow to Medium Type 4 Soil Sampling*

- ◆ Continued the shallow to medium Type 4 soil sampling program. No problems were encountered. This completes the remainder of Type 4 sampling locations with the exception of four locations (RISBON-76, RISBCD-01, RISBCD-02, and RISBCD-03) that have not been cleared since they were not able to be located in the field.

RISBON-10
RISBMS-07+
+CH2MHill/EPA split sample

*Activity Category ex: Deep Type 6 Soil Sampling*

- ◆ URS cleared 4 locations (RISBON-53, -55, -56, and -57) adjacent to the north of NTU Road in the southern portion of the site with Tom Henderson of CH<sub>2</sub>MHill. Advanced a portion of one deep soil boring (RISBON-57) to 25 ft bgs. Have not yet collected the proposed samples from near the groundwater table and at the unweathered contact. No problems were encountered.
- ◆ Collected Type 6 soil samples from

RISBON-57
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*Activity Category ex: Piezometer Installation*

- ◆ Mactec and Gregg Drilling completed RIPZ-25, installed screen from 3' -23' bgs.
- ◆ Installed piezometer RIPZ-26, with a screened interval of 5' -15' bgs.
- ◆ Some water/product was brought to the surface during the sampling and installation of RIPZ-25. The crew was all in Level B supplied air so minimal exposure was encountered. The inside of the CPT rig was decontaminated upon completion of the work.

**DAILY ACTIVITY REPORT**  
**September 2, 2004**

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Type 4 shallow soil sampling	2 locations and 6 samples. One CH <sub>2</sub> MHill/EPA split sample collected
Type 6 deep soil sampling	1 location and 5 samples. One duplicate sample collected
Piezometer installation	2 piezometers installed.

**ACTIVITIES PLANNED FOR Friday, September 3, 2004**

- ◆ Complete Type 6 boring RISBON-57. Continue with Type 6 soil sampling locations along NTU Road. Mactec and Gregg Drilling to continue piezometer installation. Pacific Engineering to be on-site to re-locate four Type 4 boring locations, Type 1 soil gas locations and to begin re-surveying completed boring locations that have been moved.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**September 3, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Friday, September 3, 2004

No: DAR-RI04-37

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Deep Type 6 Soil Sampling

- ◆ Advanced a the remainder of deep soil boring (RISBON-57) to the contact. No problems were encountered.
- ◆ Collected Type 6 soil samples from

RISBON-57
-----------

*Activity Category* ex: Piezometer Installation

- ◆ Mactec and Gregg Drilling completed the installation of the surface stove-pipe monuments for the piezometers that had been completed to date.

**Quantities Summary:**

Item	Quantity
Type 6 deep soil sampling	1 location, 2 samples collected.
Piezometer installation	Monuments installed.

**ACTIVITIES PLANNED FOR Tuesday, September 7, 2004**

- ◆ Continue with Type 6 soil sampling locations along NTU Road. Mactec and Gregg Drilling to continue piezometer installation. Pacific Engineering to be on-site to re-locate four Type 4 boring locations, Type 1 soil gas locations and to begin re-surveying completed boring locations that have been moved.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**September 7, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Tuesday, September 7, 2004

No: DAR-RI04-38

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

David Myers of URS and Mark Wuttig of CH2MHill cleared the remaining Type 4, Type 5, and Type 6 locations that are not co-located with the Type 7 borings.

*Activity Category ex: Deep Type 6 Soil Sampling*

- ◆ Advanced a deep soil boring (RISBON-56) to the contact. No problems were encountered.
- ◆ Collected Type 6 soil samples from

RISBON-56
-----------

*Activity Category ex: Piezometer Installation*

- ◆ Completed the CPT log for RIPZ-21, refusal at 88' bgs. Planned for a stainless steel pre-pack piezo with a screened interval at 74-84 feet.
- ◆ Completed a CPT log of RIPZ-22, refusal at 108' bgs. Planned for a piezo installation from 86-96 bgs.
- ◆ No health & safety incidents or problems encountered.

**Quantities Summary:**

Item	Quantity
Type 6 deep soil sampling	1 location, 6 samples collected
Piezometer/CPT installations	2 CPT locations logged.

**ACTIVITIES PLANNED FOR Wednesday, September 8, 2004**

- ◆ Continue with Type 6 soil sampling locations along NTU Road. Mactec and Gregg Drilling to continue piezometer installation. Pacific Engineering to be on-site continue re-surveying completed boring locations that have been moved.

**DAILY ACTIVITY REPORT**  
**September 8, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, September 8, 2004

No: DAR-RI04-39

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Deep Type 6 Soil Sampling

- ◆ Advanced a deep soil boring (RISBON-51) to the contact. No problems were encountered.
- ◆ Collected Type 6 soil samples from

RISBON-51
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*Activity Category* ex: Piezometer Installation

- ◆ Completed the CPT log for RIPZ-12, refusal at 95' bgs due to tip deflection angle. Planned for a stainless steel pre-pack piezo with a screened interval at 80-90 feet.
- ◆ Completed a CPT log of RIPZ-23, total depth of 57' bgs. Planned for a piezo installation from 32-52 bgs.
- ◆ Installed the 2-inch casing with expendable tip down into the upper ten feet of the open boreholes RIPZ-12, 21 and 22 to limit the potential for off gassing from the boreholes while awaiting piezometer installation.
- ◆ No health & safety incidents or problems encountered.

**Quantities Summary:**

Item	Quantity
Type 6 deep soil sampling	1 location, 6 samples collected
Piezometer/CPT installations	2 CPT locations logged.

**ACTIVITIES PLANNED FOR Thursday, September 9, 2004**

- ◆ Continue with Type 6 soil sampling locations along NTU Road. Mactec and Gregg Drilling to continue piezometer installation.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**September 9, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Thursday, September 9, 2004

No: DAR-RI04-40

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Deep Type 5 Soil Sampling*

- ◆ Advanced a two medium-deep soil borings to the contact. No problems were encountered.
- ◆ Collected Type 5 soil samples from

RISBLT-03	RISBLT-01*
*Duplicate sample collected	

*Activity Category ex: Piezometer Installation*

- ◆ Completed the CPT log for RIPZ-24, refusal at 60' bgs due to tip deflection angle. Planned for a stainless steel pre-pack piezo with a screened interval at 30-50 feet.
- ◆ Reattempted to reach the target depth at RIPZ-21 to install the piezometer. Reached the target depth with the 1 ¾ inch but we were not able to reach the final total depth with the 2" casing, refusal at 68 feet. Discussed the alternate approach of using the 2 inch casing in conjunction with the 1 ¾ inch casing to attempt to reduce the friction and hopefully reach the target interval.
- ◆ Grouted the refusal borehole.
- ◆ No health & safety incidents or problems encountered.

**Quantities Summary:**

Item	Quantity
Type 5 deep soil sampling	2 location, 9 samples collected, 1 duplicate
Piezometer/CPT installations	1 CPT locations logged

**ACTIVITIES PLANNED FOR Friday, September 10, 2004**

## **DAILY ACTIVITY REPORT**

**September 9, 2004**

- ◆ Continue with the four remaining known co-located Type 4 soil sampling locations.
- ◆ Mactec and Gregg Drilling to continue piezometer installations.
- ◆ Pacific Surveys will be on site to continue to re-survey the locations that have been moved from the original mapping locations. (Blue flag locations)

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**September 10, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Friday, September 10, 2004

No: DAR-RI04-41

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Deep Type 4 Soil Sampling

- ◆ Advanced a four medium soil borings with the hollow stem auger rig. No problems were encountered. This completes the Type 4 locations that are not associated with the Type 7 MIPs study.
- ◆ Collected Type 4 soil samples from

RISBON-76	RISBCD-01
RISBCD-02*	RISBCD-03
*Duplicate sample collected	

*Activity Category* ex: Piezometer Installation

- ◆ Attempted to install piezometer RIPZ-22. Three attempts were made, the first one reached the target depth of 105 feet. Bentonite grout got past the intermediate seal and invaded the sand pack and screen. Pulled all well materials.
- ◆ Second attempt, pre-punch to 113 feet, refusal with the 2-inch tools at 97 feet, abandoned boring.
- ◆ Third attempt, pre-punched to 112 feet, refusal with the 2-inch tools at 99 feet, abandoned boring.
- ◆ Refusal in most cases is a result of tip deflection and increased friction associated with this deflection.
- ◆ No health & safety incidents or problems encountered.

**Quantities Summary:**

Item	Quantity
Type 4 deep soil sampling	4 location, 13 samples collected, 1 duplicate
Piezometer/CPT installations	3 attempts, no constructions

**DAILY ACTIVITY REPORT**  
**September 10, 2004**

**ACTIVITIES PLANNED FOR Monday, September 13, 2004**

- ◆ Continue with the Type 5 medium to deep soil sampling locations in the Liquids treatment and Maintenance shed areas.
- ◆ Mactec and Gregg Drilling to continue piezometer installations, starting at RIPZ-22.
- ◆ Pacific Surveys will be on site to continue to re-survey the locations that have been moved from the original mapping locations. (Blue flag locations)

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**September 13, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Monday, September 13, 2004

No: DAR-RI04-42

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Medium/Deep Type 5 Soil Sampling*

- ◆ Advanced a four medium soil borings with the hollow stem auger rig. No problems were encountered.
- ◆ Collected Type 5 soil samples from

RISBMS-11*	RISBMS-01
RISBLT-02	RISBLT-04*
*Duplicate sample collected	

*Activity Category ex: Piezometer Installation*

- ◆ RIPZ-22-Pre-punched to 119' bgs.
- ◆ Pushed the 2" casing to 107' and set the Piezometer from 95' to 105'. Hydrated the bentonite seal and will allow to set up until morning before placing the grout.
- ◆ The CPT rig blew a hydraulic hose on the rod clamp, all oil was captured inside the rig and the drillers were able to replace with a new hose from town.
- ◆ RIPZ-12- Pre-punched to 96' bgs, refusal with the 1 3/4" casing.
- ◆ Pushed the 2" casing to 78 feet before running out of casing.
- ◆ No health & safety incidents encountered.

**Quantities Summary:**

Item	Quantity
Type 5 medium soil sampling	4 location, 16 primary samples collected, 2 duplicates
Piezometer/CPT installations	1 Piezometer partially constructed, 1 casing started.

**DAILY ACTIVITY REPORT**  
**September 13, 2004**

**ACTIVITIES PLANNED FOR Tuesday, September 14, 2004**

- ◆ Continue with the Type 5 medium to deep soil sampling locations in the Liquids treatment and Maintenance shed areas.
- ◆ The concrete coring company will be on site in the morning to drill the holes for the locations in the six-pack tank area, RISBLT-10 & 13, as well as the boring location inside the maintenance shed, RISBMS-04.
- ◆ Mactec and Gregg Drilling to continue piezometer installations, starting at RIPZ-22.
- ◆ Pacific Surveys will be on site to continue to re-survey the locations that have been moved from the original mapping locations. (Blue flag locations)

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**September 14, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Tuesday, September 14, 2004

No: DAR-RI04-43

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Medium/Deep Type 5 Soil Sampling*

- ◆ Advanced a three medium soil borings with the hollow stem auger rig. No problems were encountered.
- ◆ Penhall concrete coring was on site to core the holes for the sample location inside the maintenance shed as well as the two locations in the six-pack tank area.
- ◆ Collected Type 5 soil samples from

RISBMS-10*	RISBMS-04
RISBAB-03*	
*Duplicate sample collected	

*Activity Category ex: Piezometer Installation*

- ◆ RIPZ-22-Placed first lift of grout.
- ◆ RIPZ-12- Set the stainless steel piezometer with a screen interval of 79'-89' bgs. Placed the first lift of grout for this location.
- ◆ RIPZ-21-Reoccupied the location and attempted to push in the hybrid casing rod. A ten foot section of 2" casing was run below the 1 3/4" casing to reduce the amount of friction on the rods. This then allowed the installation of a stainless steel pre-packed screen with the PVC riser. Unfortunately the casing hit refusal at 68' bgs. The piezo was installed but failed when the rods were removed and the PVC casing separated from the stainless screen. This location was grouted and abandoned when it was determined that the screen was lost down hole.
- ◆ No health & safety incidents encountered.

**Quantities Summary:**

Item	Quantity
Type 5 medium soil sampling	3 location, 12 primary samples collected, 2

**DAILY ACTIVITY REPORT**  
**September 14, 2004**

	duplicates
Piezometer/CPT installations	1 Piezometer constructed.

**ACTIVITIES PLANNED FOR Wednesday, September 15, 2004**

- ◆ Continue with the Type 5 medium to deep soil sampling locations in the Liquids treatment Six-pack tank area.
- ◆ Mactec and Gregg Drilling to continue piezometer installations, starting at RIPZ-21.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**September 15, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, September 15, 2004

No: DAR-RI04-44

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Medium/Deep Type 5 Soil Sampling*

- ◆ Advanced one medium soil borings with the portable hollow stem auger rig within the six-pack tank area. This drilling rig was considerable smaller and slower than the normal rigs so only one borehole was completed. Due to the smaller sample volumes associated with the smaller rig. We drilled two side by side borings at this location in order to accommodate the soil volume requirements of the split samples.
- ◆ Collected Type 5 soil samples from

RISBLT-10*	
*Split sample with CH2MHill	

*Activity Category ex: Piezometer Installation*

- ◆ RIPZ-22- completed the grouting.
- ◆ RIPZ-12- completed the grouting.
- ◆ RIPZ-07-Reoccupied the location and attempted to push sample with the macro-core sampler. Refusal of the sampler at 35.4' bgs. Attempted two pushes with the CPT to verify the stratigraphy of the location and attempt to reach the target depth for this piezometer. Refusal in both CPT's at 33.2' and 39' feet so we set a piezometer in the original macro-core location with a total depth of 33.4', screened interval 33.2' to 23.2'. Piezometer was grouted and completed.
- ◆ No health & safety incidents encountered.

**Quantities Summary:**

Item	Quantity
Type 5 medium soil sampling	1 location, 4 primary samples collected with splits with EPA representatives.
Piezometer/CPT installations	1 Piezometer constructed.

**DAILY ACTIVITY REPORT**  
**September 15, 2004**

**ACTIVITIES PLANNED FOR Thursday, September 16, 2004**

- ◆ Continue with the Type 5 medium to deep soil sampling locations in the Liquids treatment Six-pack tank area.
- ◆ Mactec and Gregg Drilling to continue with clean up and monument construction for the Piezometer wells.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**September 16, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Thursday, September 16, 2004

No: DAR-RI04-45

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Medium/Deep Type 5 Soil Sampling

- ◆ Advanced one medium soil boring with the portable hollow stem auger rig within the six-pack tank area.
- ◆ Collected Type 5 soil samples from

RISBLT-13

*Activity Category* ex: Deep Type 6 Soil Sampling

- ◆ Advanced a portion of one deep soil boring with the Rhino limited access rig along NTU road. RISBON-53 was advanced to a depth of approximately 26.5 feet, to be completed tomorrow.
- ◆ Collected Type 6 soil samples from

RISBON-53

*Activity Category* ex: Piezometer Installation

- ◆ Ms. Anna Henke of Mactec and Gregg Drilling direct push rig crew decontaminated vehicles and equipment and de-mobilized from the site today.

**Quantities Summary:**

Item	Quantity
Type 5 medium soil sampling	1 location, 4 samples collected
Type 6 deep soil sampling	Portion of 1 location completed, 4 samples collected

**DAILY ACTIVITY REPORT**  
**September 16, 2004**

**ACTIVITIES PLANNED FOR Friday, September 17, 2004**

- ◆ Complete RISBON-53 Type 6 deep soil sampling location along NTU Road.
- ◆ WDC air rotary-casing hammer (ARCH) rig expected to mobilize to the site and set up staging area.

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**September 17, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Friday, September 17, 2004

No: DAR-RI04-46

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Deep Type 6 Soil Sampling

- ◆ Completed one deep soil boring with the Rhino limited access rig along NTU road. RISBON-53 was advanced to a depth of approximately 54.5 feet. Collected Type 6 soil samples from

RISBON-53*
Duplicate sample collected

**Quantities Summary:**

Item	Quantity
Type 6 deep soil sampling	1 location completed, 3 samples collected (one duplicate sample)

Please note that based on information from Mactec, WDC will not be able to mobilize to the site with the ARCH rig until late next week or Monday, September 27.

**ACTIVITIES PLANNED FOR Monday, September 20, 2004**

- ◆ ERM and Gregg Drilling/Columbia Analytical to mobilize to site for NAPL assessment
- ◆ Geosyntec and Gregg Drilling to begin soil gas sampling
- ◆ Preliminary work by URS personnel to begin RCRA canyon mapping
- ◆ URS personnel to begin off-site well survey

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**September 20, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Monday, September 20, 2004

No: DAR-RI04-47

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Soil Gas Survey*

- ◆ Completed six of the Type 1, soil gas locations around the perimeter of the capped landfills.
- ◆ Collected Type 1 soil gas samples from:

RISVCL-02	RISVCL-03
RISVCL-04	RISVCL-05
RISVPB-01*	RISVCL-06
*Split with EPA	

*Activity Category ex: Type 7 NAPL Survey*

- ◆ Collected Type 7 NAPL data from one location with the Columbia Analytical instrumentation, which includes the PID, FID and ECD detectors.

RISBON-69
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*Activity Category ex: Off Site Well Survey*

- ◆ Began cataloging the information that was available for the off site well survey.

*Activity Category ex: RCRA Canyon*

- ◆ Began cataloging the information that was available for the RCRA Canyon outcrop investigation.

**DAILY ACTIVITY REPORT**  
**September 20, 2004**

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Type 7 NAPL Survey	One Type 7 location surveyed.
Type 1 soil gas sampling	6 locations completed, 6 samples collected (one split sample) Collected one Leak Detection compound analysis in a Tedlar Bag.

**ACTIVITIES PLANNED FOR Tuesday, September 21, 2004**

- ◆ ERM and Gregg Drilling/Columbia Analytical to continue with the NAPL survey.
- ◆ Geosyntec and Gregg Drilling to continue soil gas sampling
- ◆ Preliminary work will continue by URS personnel to begin RCRA canyon mapping
- ◆ URS personnel to continue the background off-site well survey

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**September 21, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Tuesday, September 21, 2004

No: DAR-RI04-48

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Soil Gas Survey*

- ◆ Completed six of the Type 1, soil gas locations around the perimeter of the capped landfills.
- ◆ Collected Type 1 soil gas samples from:

RISVPB-10	RISVBC-03
RISVBC-04	RISVBC-05*
RISVBC-01**	RISVBC-02**
**Split with EPA	*Duplicate sample

*Activity Category ex: Type 7 NAPL Survey*

- ◆ Collected Type 7 NAPL data from one location with the Columbia Analytical instrumentation, which includes the PID, FID and ECD detectors.
- ◆ Problems occurred shortly after the first push of the morning when the GC went off line. The contractor, Columbia Analytical was working on a solution but we lost the rest of the day due to this malfunction.

RISBBC-03

*Activity Category ex: Off Site Well Survey:*

- ◆ Continued cataloging the information that is available for the off site well survey.

*Activity Category ex: Type 5 Soil Borings:*

- ◆ Began repairs of the holes in the concrete containment up at the six-pack tank area.

**DAILY ACTIVITY REPORT**  
**September 21, 2004**

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Type 7 NAPL Survey	One Type 7 location surveyed.
Type 1 soil gas sampling	6 locations completed, 6 primary samples collected, one duplicate and two split samples

**ACTIVITIES PLANNED FOR Wednesday, September 22, 2004**

- ◆ ERM and Gregg Drilling/Columbia Analytical to continue with the NAPL survey, assuming that they are able to get the detector back within calibration limits.
- ◆ Geosyntec and Gregg Drilling to continue soil gas sampling
- ◆ Preliminary work will continue by URS personnel to begin RCRA canyon mapping
- ◆ URS personnel to continue the background off-site well survey

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**September 21, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Tuesday, September 21, 2004

No: DAR-RI04-48

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Soil Gas Survey*

- ◆ Completed six of the Type 1, soil gas locations around the perimeter of the capped landfills.
- ◆ Collected Type 1 soil gas samples from:

RISVPB-01	RISVBC-03
RISVBC-04	RISVBC-05*
RISVBC-01**	RISVBC-02**
**Split with EPA	*Duplicate sample

*Activity Category ex: Type 7 NAPL Survey*

- ◆ Collected Type 7 NAPL data from one location with the Columbia Analytical instrumentation, which includes the PID, FID and ECD detectors.
- ◆ Problems occurred shortly after the first push of the morning when the GC went off line. The contractor, Columbia Analytical was working on a solution but we lost the rest of the day due to this malfunction.

RISBBC-03

*Activity Category ex: Off Site Well Survey:*

- ◆ Continued cataloging the information that is available for the off site well survey.

*Activity Category ex: Type 5 Soil Borings:*

- ◆ Began repairs of the holes in the concrete containment up at the six-pack tank area.

**DAILY ACTIVITY REPORT**  
**September 21, 2004**

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Type 7 NAPL Survey	One Type 7 location surveyed.
Type 1 soil gas sampling	6 locations completed, 6 primary samples collected, one duplicate and two split samples

**ACTIVITIES PLANNED FOR Wednesday, September 22, 2004**

- ◆ ERM and Gregg Drilling/Columbia Analytical to continue with the NAPL survey, assuming that they are able to get the detector back within calibration limits.
- ◆ Geosyntec and Gregg Drilling to continue soil gas sampling
- ◆ Preliminary work will continue by URS personnel to begin RCRA canyon mapping
- ◆ URS personnel to continue the background off-site well survey

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**September 22, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, September 22, 2004

No: DAR-RI04-49

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Soil Gas Survey*

- ◆ Completed five of the Type 1, soil gas locations around the perimeter of the capped landfills and in the burial trench area.
- ◆ Collected Type 1 soil gas samples from:

RISVBC-02*	RISVBC-06
RISVCL-09	RISVPB-02
RISVCD-03**	RISVCD-02
**Split with EPA	* redo from the previous day.

*Activity Category ex: Type 7 NAPL Survey*

- ◆ Collected Type 7 NAPL data from one location with the Columbia Analytical instrumentation, which includes the PID, FID and ECD detectors.
- ◆ Collected CPT data from two locations.

RICPT-05	RICPT-07
RISBCD-11A-MIP	

*Activity Category ex: Off Site Well Survey:*

- ◆ Continued cataloging the information that is available for the off site well survey.

*Activity Category ex: Type 5 Soil Borings:*

- ◆ Completed repairs of the holes in the concrete containment up at the six-pack tank area.

**DAILY ACTIVITY REPORT**  
**September 22, 2004**

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Type 7 NAPL Survey	One Type 7 location surveyed.
Type 1 soil gas sampling	5 locations completed, 5 primary samples collected, and one split samples

**ACTIVITIES PLANNED FOR Thursday, September 23, 2004**

- ◆ ERM and Gregg Drilling/Columbia Analytical to continue with the NAPL survey.
- ◆ Geosyntec and Gregg Drilling to continue soil gas sampling, we anticipate that they will complete this activity by the end of the day.
- ◆ Preliminary work will continue by URS personnel to begin RCRA canyon mapping
- ◆ URS personnel to continue the background off-site well survey

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**September 23, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Thursday, September 23, 2004

No: DAR-RI04-50

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Soil Gas Survey*

- ◆ Completed four of the Type 1, soil gas locations around the perimeter of the capped landfills and in the burial trench area.
- ◆ This task is now complete.
- ◆ Collected Type 1 soil gas samples from:

RISVCD-01	RISVCL-11**
RISVCL-12*	RISVCL-01
**Split with EPA	*split sample

*Activity Category ex: Type 7 NAPL Survey*

- ◆ Collected Type 7 NAPL data from six locations with the Columbia Analytical instrumentation, which includes the CPT log as well as the PID, FID and ECD detectors.

RISBBC-05A-MIP	RISBCD-08
RISBON-60	RISBON-61
RISCD-09B-MIP	RISBON-58

*Activity Category ex: Off Site Well Survey:*

- ◆ Continued cataloging the information that is available for the off site well survey. Visited the county assessors office to begin researching the parcel information for the area within the three mile radius.

*Activity Category ex: RCRA Canyon Geologic Mapping:*

- ◆ Did some preliminary mapping along the southeastern wall of the RCRA canyon. Took attitudes along sedimentary bedding plans, fracture plans, faults and joints.

**DAILY ACTIVITY REPORT**  
**September 23, 2004**

- ◆ Approximately 10-15 bedding attitudes, and 12-15 fracture and joint plans were collected along the eastern face of the RCRA canyon wall ~ 100-150 meters north of Pond A-5

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Type 7 NAPL Survey	One Type 7 location surveyed.
Type 1 soil gas sampling	4 locations completed, 4 primary samples collected, 1 duplicate and one split sample

**ACTIVITIES PLANNED FOR Friday, September 24, 2004**

- ◆ ERM and Gregg Drilling/Columbia Analytical to continue with the NAPL survey.
- ◆ Geosyntec and Gregg Drilling have completed the soil gas survey.
- ◆ Preliminary mapping will continue by URS personnel within the RCRA canyon area.
- ◆ URS personnel to continue the background off-site well survey

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**September 24, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Friday, September 24, 2004

No: DAR-RI04-51

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Type 7 NAPL Survey

- ◆ Collected Type 7 NAPL data from four locations with the Columbia Analytical instrumentation, which includes the CPT log as well as the PID, FID and ECD detectors. Two CPT locations were performed as part of the "low area" study at the toe of the Central Drainage Area.

RISBON-59	RISBON-62
RISBCD-10	RISBCD-07
RICPT-09	RISCPT-10

*Activity Category* ex: RCRA Canyon Geologic Mapping:

- ◆ Did some preliminary mapping along the southeastern wall of the RCRA canyon. Took attitudes along sedimentary bedding plans, fracture plans, faults and joints.
- ◆ Approximately 4-5 bedding attitudes, and 12-15 fracture and joint plans were collected along the eastern face of the RCRA canyon wall ~ 200-300 meters north of Pond A-5
- ◆ Joint and fracture plans were compiled and plotted on lower hemisphere stereographic projections & 180 degree rose diagrams. These diagrams will be used for comparison with similar plots created during previous investigation within the RCRA canyon.

**Quantities Summary:**

Item	Quantity
Type 7 NAPL Survey	Four Type 7 location surveyed, two CPT locations surveyed for "low area investigation"

**DAILY ACTIVITY REPORT**  
**September 24, 2004**

**ACTIVITIES PLANNED FOR Monday, September 27, 2004**

- ◆ ERM and Gregg Drilling/Columbia Analytical to continue with the NAPL survey.
- ◆ Preliminary mapping will continue by URS personnel within the RCRA canyon area.
- ◆ URS personnel to continue with the non-colocated Type 6 deep soil borings.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**September 27, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Monday, September 27, 2004

No: DAR-RI04-52

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Type 7 NAPL Survey

- ◆ Collected Type 7 NAPL data from four locations with the Columbia Analytical instrumentation, which includes the CPT log as well as the PID, FID and ECD detectors.

RISBON-72	RISBCD-12
RISBON-64	RISBON-65

*Activity Category* ex: RCRA Canyon Geologic Mapping:

- ◆ Continued to compile and plot the lower hemisphere stereographic projections & 180 degree rose diagrams. These diagrams are being used for comparison with similar plots created during previous investigation within the RCRA canyon.
- ◆ Revue the past reports and geologic maps for consistency with the work being done by URS.

*Activity Category* ex: Type 6 Soil Boring:

- ◆ Completed two of the deep Type 6 soil borings:

RISBON-52*	RISBON-55*
*Duplicate sample collected	

**Quantities Summary:**

Item	Quantity
Type 7 NAPL Survey	Four Type 7 location surveyed,
Type 6 Deep Soil Boring	Two borings completed, 13 primary samples collected, 2 duplicates.

**DAILY ACTIVITY REPORT**  
**September 27, 2004**

**ACTIVITIES PLANNED FOR Tuesday, September 28, 2004**

- ◆ ERM and Gregg Drilling/Columbia Analytical to continue with the NAPL survey.
- ◆ Preliminary mapping will continue by URS personnel within the RCRA canyon area.
- ◆ URS personnel to continue with the non-colocated Type 6 deep soil borings.
- ◆ Mactec will be on site with WDC Exploration to begin the ARCH rig drilling activities.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**September 28, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Tuesday, September 28, 2004

No: DAR-RI04-53

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Type 7 NAPL Survey

- ◆ Collected Type 7 NAPL data from eight locations with the Columbia Analytical instrumentation, which includes the CPT log as well as the PID, FID and ECD detectors.

RISBON-75	RISBON-73
RISBON-68	RISBON-70
RISBON-66	RISBON71
RISBON-74	RISBON-63

*Activity Category* ex: Type 6 Soil Boring:

- ◆ Completed one of the deep Type 6 soil borings:

RISBON-54	

*Activity Category* ex: Chemical Quality Well Installation:

- ◆ WDC Exploration deconed and set up their rig at location RIMW-09.
- ◆ Drilled to 17 feet with the coring system, they are expecting a delivery tonight with the bit that they need to get better core recovery.

**Quantities Summary:**

Item	Quantity
Type 7 NAPL Survey	Eight Type 7 location surveyed,
Type 6 Deep Soil Boring	One boring completed, 6 primary samples collected,

**DAILY ACTIVITY REPORT**  
**September 28, 2004**

**ACTIVITIES PLANNED FOR Wednesday, September 29, 2004**

- ◆ ERM and Gregg Drilling/Columbia Analytical to continue with the NAPL survey.
- ◆ Preliminary mapping will continue by URS personnel within the RCRA canyon area.
- ◆ URS personnel to continue with the non-colocated Type 6 deep soil borings.
- ◆ Mactec will be on site with WDC Exploration to begin the ARCH rig drilling activities.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**September 29, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, September 29, 2004

No: DAR-RI04-54

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Type 7 NAPL Survey

- ◆ Collected CPT data from two locations because the Columbia MIPS equipment was offline due to a faulty PID lamp.

RICPT-06A	RICPT-11

*Activity Category* ex: Soil Boring:

- ◆ Completed one of the deep Type 6 soil borings:

Type T5	RISBAB-02
Type T4/T7	RISBON-64*
Type T4/T7	RISBON-65
Type T4/T7	RISBON-69
*Duplicate sample collected	

*Activity Category* ex: Chemical Quality Well Installation:

- ◆ WDC Exploration set up their rig at location RIMW-09.
- ◆ Cored to 67 feet with the coring system, the hole caved in at the water table at ~48 feet bgs. The video log was unsuccessful due to muddy conditions.
- ◆ The drillers will be bringing in some drive casing next week in order to case the hole prior to setting the well.

**Quantities Summary:**

Item	Quantity
CPT Survey	Two locations surveyed,
Soil Borings	One Type 5 soil boring completed, Three Type 4 soil borings completed. 13 primary samples, 1

**DAILY ACTIVITY REPORT**  
**September 29, 2004**

	duplicate
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**ACTIVITIES PLANNED FOR Thursday, September 30, 2004**

- ◆ ERM and Gregg Drilling/Columbia Analytical to continue with the NAPL survey, assuming that the equipment is repaired.
- ◆ URS personnel to continue with the co-located Type 4 soil borings, as well as the Type 6 location associate with well BLS-01.
- ◆ Mactec will be on site with WDC Exploration to continue the ARCH rig drilling activities. They will be working on RIPZ-05.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**September 30, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Thursday, September 30, 2004

No: DAR-RI04-55

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Type 7 NAPL Survey

- ◆ The Columbia equipment was still not functioning today, it is thought that they will have the repairs completed by tomorrow.

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*Activity Category* ex: Soil Boring:

- ◆ Completed one of the deep Type 6 soil borings:

Type T4/T7	RISBCD-06
Type T6	RISBLT-06

*Activity Category* ex: Chemical Quality Well Installation:

- ◆ WDC Exploration set up their rig at location RIPZ-05.
- ◆ Cored to total depth with the coring system, the hole caved in at the water table at ~48 feet bgs. The drillers were driving casing in order to set the piezometer.

**Quantities Summary:**

Item	Quantity
Soil Borings	One Type 4 soil boring completed, One Type 6 soil boring completed. 8 primary samples.

**ACTIVITIES PLANNED FOR Friday, October 1, 2004**

**DAILY ACTIVITY REPORT**  
**September 30, 2004**

- ◆ ERM and Gregg Drilling/Columbia Analytical to continue with the NAPL survey, assuming that the equipment is repaired.
- ◆ URS personnel to continue with the co-located Type 4 soil borings,
- ◆ Mactec will be on site with WDC Exploration to continue the ARCH rig drilling activities. They will be working on RIPZ-05.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 1, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Friday, October 1, 2004

No: DAR-RI04-56

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Type 7 NAPL Survey

- ◆ The Columbia equipment still not functioning; Columbia personnel plan to work on the equipment over the weekend to have it running by Monday.

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*Activity Category* ex: Shallow and Medium Soil Boring (Types 4/7):

- ◆ Completed two of the co-located Type 4/7 soil borings:

Type T4/T7	RISBON-67*
Type T4/T7	RISBON-72
Duplicate sample collected	

*Activity Category* ex: Chemical Quality Well Installation:

- ◆ WDC Exploration set up their rig at location RIPZ-05.
- ◆ Cored to total depth of 65 feet with the coring system, and drove casing to approximately total depth of exploration.

**Quantities Summary:**

Item	Quantity
Soil Borings	Two Type 4/7 soil borings completed. 7 samples collected (one duplicate).

**ACTIVITIES PLANNED FOR Monday, October 4, 2004**

- ◆ ERM and Gregg Drilling (In-Situ)/Columbia Analytical to continue with the NAPL survey, assuming that the equipment is repaired.

## **DAILY ACTIVITY REPORT**

**October 1, 2004**

- ◆ URS personnel to continue with the co-located soil borings, including one planned CH<sub>2</sub>MHill/EPA split location at RISBBC-01
- ◆ Mactec will be on site with WDC Exploration to continue the ARCH rig drilling activities. They will set up to start coring on the north ridge.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 4, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Monday, October 4, 2004

No: DAR-RI04-57

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Type 7 NAPL Survey

- ◆ The Columbia equipment was reportedly repaired over the weekend and they set up on RISBCD-05. Unfortunately it was not functioning properly in the morning but was repaired by midday and they were able to complete two locations.

RISBCD-05	RISBCD-04
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*Activity Category* ex: Shallow and Medium Soil Boring (Types 4/7):

- ◆ Completed one of the co-located Type 6/7 soil borings:

Type T6/T7	RISBBC-01
Split with EPA	

*Activity Category* ex: Chemical Quality Well Installation:

- ◆ WDC Exploration set up their rig at location RISB-01.
- ◆ Cored to total depth of ~60 feet with the coring system.

**Quantities Summary:**

Item	Quantity
Soil Borings	One Type 6/7 soil boring completed. 7 samples collected (one duplicate). Splits collected with EPA.

**ACTIVITIES PLANNED FOR Tuesday, October 5, 2004**

- ◆ ERM and Gregg Drilling (In-Situ)/Columbia Analytical to continue with the NAPL survey.

## **DAILY ACTIVITY REPORT**

**October 4, 2004**

- ◆ URS personnel to continue with the co-located soil borings,
- ◆ Mactec will be on site with WDC Exploration to continue the ARCH rig drilling activities. They will continue coring on the north ridge.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 5, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Tuesday, October 5, 2004

No: DAR-RI04-58

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Type 7 NAPL Survey

- ◆ The ERM and Gregg Insitu performed Type 7 MIPS surveys at six locations, two down at the administration building and four up at the liquids treatment area.

RISBAB-01	RISBAB-04
RISBLT-05	RISBLT-07
RISBLT-08	RISBLT-09

*Activity Category* ex: Shallow and Medium Soil Boring (Types 4/7):

- ◆ Completed two of the co-located Type 4/7 soil borings:

Type T4/T7	RISBCD-10
Type T4/T7	RISBCD-08

*Activity Category* ex: Chemical Quality Well Installation:

- ◆ WDC Exploration continued to core at the deep soil boring RISB-01.
- ◆ Cored to total depth of ~85 feet with the coring system. They have been making multiple refinements to attempt to improve the quality of the core being collected.

**Quantities Summary:**

Item	Quantity
Soil Borings	Two Type 4/7 soil borings completed. 8 samples collected.

**ACTIVITIES PLANNED FOR Wednesday, October 6, 2004**

## **DAILY ACTIVITY REPORT**

**October 5, 2004**

- ◆ ERM and Gregg Drilling (In-Situ)/Columbia Analytical to continue with the NAPL survey.
- ◆ URS personnel to continue with the co-located soil borings,
- ◆ Mactec will be on site with WDC Exploration to continue the ARCH rig drilling activities. They will continue coring on the north ridge.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 6, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, October 6, 2004

No: DAR-RI04-58

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Type 7 NAPL Survey*

- ◆ The ERM and Gregg Insitu performed Type 7 MIPS surveys at six locations, two down at the administration building and four up at the liquids treatment area.

RISBMS-02	RISBRC-01
RISBRC-02	RISBRC-06
RISBRC-03	RISBRC-04

*Activity Category ex: Shallow and Medium Soil Boring (Types 4/7 and Type 5/7):*

- ◆ Completed one of the co-located Type 4/7 soil borings and one of the co-located Type 5/7 soil borings:

Type T5/T7	RISBAB-04
Type T4/T7	RISBCD-07*
*duplicate sample collected	

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ WDC Exploration continued to core at the deep soil boring RISB-01.
- ◆ Cored from 85' to 166' with the coring system. They have been making multiple refinements to attempt to improve the quality of the core being collected.

**Quantities Summary:**

Item	Quantity
Soil Borings	Two soil borings completed. 7 primary samples and one duplicate sample collected.

**DAILY ACTIVITY REPORT**  
**October 6, 2004**

**ACTIVITIES PLANNED FOR Thursday, October 7, 2004**

- ◆ ERM and Gregg Drilling (In-Situ)/Columbia Analytical to continue with the NAPL survey.
- ◆ URS personnel to continue with the co-located soil borings, they will be setting up on RISBAB-01 in the morning to collect a split with CH2MHill.
- ◆ Mactec will be on site with WDC Exploration to continue the ARCH rig drilling activities. They will continue coring on the north ridge.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 7, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Thursday, October 07, 2004

No: DAR-RI04-60

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Type 7 NAPL Survey

- ◆ The ERM and Gregg Insitu/Columbia Analytical performed Type 7 MIPS surveys at six locations. Three of the six locations were a corroborating effort at locations completed during the pilot NAPL study (These locations are demarcated with an asterisk below):

RISBMS-03	RISBCD-06*
RISBMS-08	RISBCD-13*
RISBMS-09	RISBBC-02*

*Activity Category* ex: Medium and Deep Soil Boring (Types 5/7 and Type 6/7):

- ◆ Completed one of the co-located Type 5/7 soil borings and two of the co-located Type 6/7 soil borings:

Type 5/7	RISBAB-01*+
Type 6/7	RISBRC-01+
Type 6/7	RISBRC-02*
+ CH2MHill/EPA split sample collected	
*duplicate sample collected	

*Activity Category* ex: Chemical Quality Well Installation:

- ◆ WDC Exploration continued to core at the deep soil boring RISB-01.
- ◆ Cored from 166' to 255' with the coring system. They have been making multiple refinements to attempt to improve the quality of the core being collected.

*Activity Category* ex: Liner Repair:

- ◆ Mactec on-site with Field Lining Systems and URS Corp to repair punctures in the HDPE liners.

**DAILY ACTIVITY REPORT**  
**October 7, 2004**

**Quantities Summary:**

Item	Quantity
NAPL Survey	Six locations completed
Soil Borings	Three soil borings completed. 13 primary samples and two duplicate samples collected.

**ACTIVITIES PLANNED FOR Friday, October 8, 2004**

- ◆ ERM and Gregg Drilling (In-Situ)/Columbia Analytical to complete the NAPL survey and de-mobilize from the site.
- ◆ URS personnel to work with CH<sub>2</sub>MHill personnel to obtain additional approval of co-located soil boring locations.
- ◆ Mactec will be on site with WDC Exploration to continue the ARCH rig drilling activities. A separate Mactec crew will be working on HDPE liner repair.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 8, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Friday, October 08, 2004

No: DAR-RI04-61

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Type 7 NAPL Survey

- ◆ The ERM and Gregg Insitu/Columbia Analytical performed Type 7 MIPS surveys at the following two locations, completing the NAPL study, and demobilized from the site:

RISBBC-01
RISBBC-04

*Activity Category* ex: Chemical Quality Well Installation:

- ◆ Mactec/WDC Exploration in cooperation with Welenco Geophysics completed video, televiewer, and induction logs of deep soil boring RISB-01.

*Activity Category* ex: Liner Repair:

- ◆ Mactec on-site with Field Lining Systems and URS Corp continued to expose areas with punctures in the HDPE liners (further liner repair work is expected to resume Thursday, October 14).

**Quantities Summary:**

Item	Quantity
NAPL Survey	2 locations completed

**ACTIVITIES PLANNED FOR Monday, October 11, 2004**

- ◆ URS to continue with co-located Type 6/7 soil borings in the Maintenance Shed area.
- ◆ Mactec will be on site with WDC Exploration to grout boring RISB-01.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 11, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Monday, October 11, 2004

No: DAR-RI04-62

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Medium and Deep Soil Boring (Type 6/7):*

- ◆ Completed three of the co-located Type 6/7 soil borings:

Type 6/7	RISBMS-02
Type 6/7	RISBMS-08+
Type 6/7	RISBMS-09
+ CH2MHill/EPA split sample collected	

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration grouted the deep soil boring RISB-01, and decontaminated all equipment. Mobilized rig to RIPZ-05.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling kick-off meeting.

**Quantities Summary:**

Item	Quantity
Soil borings	3 locations completed; 12 samples collected

**ACTIVITIES PLANNED FOR Tuesday, October 12, 2004**

- ◆ URS to continue with co-located Type 6/7 soil borings in the Maintenance Shed area and RCRA Canyon.
- ◆ Mactec and WDC Exploration to install piezometer RIPZ-05.
- ◆ Mactec and BlainTech to begin groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 12, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Monday, October 12, 2004

No: DAR-RI04-63

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Medium and Deep Soil Boring (Type 6/7):*

- ◆ Completed three of the co-located Type 6/7 soil borings:

Type 6/7	RISBMS-03*
Type 6/7	RISBRC-03
Type 6/7	RISBRC-04
* Duplicate sample collected	
+ CH <sub>2</sub> MHill/EPA split sample collected	

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration installed piezometer at location RIPZ-05. Mobilized rig to RIMW-09 for the well installation.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Soil borings	3 locations completed; 12 samples collected

**ACTIVITIES PLANNED FOR Wednesday, October 13, 2004**

- ◆ URS to continue with co-located Type 6/7 and Type 4/7 soil borings.
- ◆ Mactec and WDC Exploration to install piezometer RIMW-09.
- ◆ Mactec and BlainTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 13, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, October 13, 2004

No: DAR-RI04-64

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Medium and Deep Soil Boring (Type 4/7):*

- ◆ Completed three of the co-located Type 6/7 soil borings:

Type 4/7	RISBON-63
Type 4/7	RISBON-66
Type 4/7	RISBON-70
Type 4/7	RISBON-71*
Type 4/7	RISBON-74*
* Duplicate sample collected	
+ CH2MHill/EPA split sample collected	

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration installed monitoring well at location RIMW-09. Mobilized rig to RIPZ-10 cluster location to start coring operations.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Soil borings	5 locations completed; 17 samples collected

**ACTIVITIES PLANNED FOR Thursday, October 14, 2004**

- ◆ URS to continue with co-located Type 6/7 and Type 4/7 soil borings and begin the clay barrier investigation at the eastern end of the predicted location of the barrier.
- ◆ Mactec and WDC Exploration to continue coring at location RIPZ-10.
- ◆ Mactec and BlainTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 14, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Thursday, October 14, 2004

No: DAR-RI04-65

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Clay Barrier Investigation*

- ◆ Obtained samples of the adobe clay from the borrow area of 'A' Drainage used in constructing the clay barrier. Completed two borings in the southeast portion of the predicted area of the clay barrier. Clay barrier material was encountered in each of the two borings.

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration cored RIPZ-10 cluster location to 127.5 feet.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

*Activity Category ex: HDPE Liner Repair:*

Mactec and Field Lining Systems personnel on-site and completed liner repairs.

**Quantities Summary:**

Item	Quantity
Soil borings in clay barrier area	2 locations completed
Liner Repairs	11 locations repaired

**ACTIVITIES PLANNED FOR Friday, October 15, 2004**

- ◆ URS to continue with the clay barrier investigation in the remaining portions of the predicted location of the barrier.
- ◆ Mactec and WDC Exploration to continue coring at location RIPZ-10.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 15, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Friday, October 15, 2004

No: DAR-RI04-66

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Clay Barrier Investigation*

- ◆ Completed three borings in the remainder of the predicted area of the clay barrier: two borings in the central and western portions, and an additional boring at the southeast of the predicted area. Clay barrier material was encountered in each of the three borings.

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration cored RIPZ-10 cluster location to the target depth of 240 feet.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Soil borings in clay barrier area	3 locations completed

**ACTIVITIES PLANNED FOR Monday, October 18, 2004**

- ◆ URS to continue with co-located (T4/7 and T6/T7) soil borings.
- ◆ Mactec and WDC Exploration to clean out the boring at RIPZ-10. Welenco is scheduled to be on-site for geophysical logging of that hole.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 18, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Monday, October 18, 2004

No: DAR-RI04-67

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Medium and Deep Soil Boring (Type 4/7 and 6/7):*

- ◆ Completed two of the co-located Type 4/7 soil borings, and a portion of one Type 6/7 boring:

Type 4/7	RISBON-68
Type 4/7	RISBON-73
Type 6/7	RISBRC-06*
* Duplicate sample collected	

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration cleaned out boring RIPZ-10. Welenco Geophysics on-site to complete geophysical logging of the boring. Mactec/WDC began well construction in the piezometer.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Type 4/7 and Type 6/7 Soil borings	3 locations completed and 11 samples collected

**ACTIVITIES PLANNED FOR Tuesday, October 19, 2004**

- ◆ URS to continue with co-located (T4/7 and T6/T7) soil borings and scout locations with CH2MHill for RCRA canyon and 'A' Drainage surface water locations.
- ◆ Mactec and WDC Exploration to complete well construction at RIPZ-10.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 19, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Tuesday, October 19, 2004

No: DAR-RI04-68

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Medium and Deep Soil Boring (Type 4/7 and 6/7):*

- ◆ Completed one of the co-located Type 4/7 soil boring and completed the Type 6/7 boring at the head of the RCRA Canyon:

Type 6/7	RISBRC-06
Type 4/7	RISBON-75

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration installed RIPZ-10d and set up on RIPZ-10c.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Type 4/7 and Type 6/7 Soil borings	2 locations completed and 4 samples collected

**ACTIVITIES PLANNED FOR Wednesday, October 20, 2004**

- ◆ URS to continue with co-located (T4/7 and T6/T7) soil borings where accessible due to rainy condition as well as scout locations with CH2MHill for RCRA canyon and 'A' Drainage surface water locations.
- ◆ Mactec and WDC Exploration to continue piezometer well construction at RIPZ-10.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 20, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, October 20, 2004

No: DAR-RI04-69

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Medium and Deep Soil Boring (Type 4/7 and 6/7):*

- ◆ Completed one of the co-located Type 4/7 soil boring and completed the Type 6/7 boring at the head of the RCRA Canyon:

Type 7	RISBON-59
Type 4/7	RISBLT-09+
Type 6/7	RISBLT-05**
*Boring not completed today	
+ Duplicate sample collected	

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration worked on RIPZ-10d

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Type 4/7 and Type 6/7 Soil borings	3 locations completed and 9 samples collected, one location not completed.

**ACTIVITIES PLANNED FOR Thursday, October 21, 2004**

- ◆ URS to continue with co-located (T4/7 and T6/T7) soil borings where accessible due to rainy conditions.
- ◆ Mactec and WDC Exploration to continue piezometer well construction at RIPZ-10.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 21, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Thursday, October 21, 2004

No: DAR-RI04-70

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Medium and Deep Soil Boring (Type 4/7 and 6/7):*

- ◆ Completed two of the co-located Type 4/7 soil boring and completed the Type 6/7 boring at the liquid treatment area:

Type 4/7	RISBCD-05
Type 4/7	RISBCD-12
Type 6/7	RISBLT-05*
*Boring continued from yesterday	

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration worked on RIPZ-10d

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Type 4/7 and Type 6/7 Soil borings	3 locations completed and 10 samples collected.

**ACTIVITIES PLANNED FOR Friday, October 22, 2004**

- ◆ URS to continue with co-located (T4/7 and T6/T7) soil.
- ◆ Mactec and WDC Exploration to continue piezometer well construction at RIPZ-10.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 22, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Friday, October 22, 2004

No: DAR-RI04-71

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Medium and Deep Soil Boring (Type 4/7 and 6/7):*

- ◆ Completed two of the co-located Type 4/7 soil boring and completed the Type 6/7 boring at the liquid treatment area:

Type 6/7	RISBBC-02

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration worked on RG-11B-2.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Type 6/7 Soil boring	1 locations completed and 4 samples collected.

**ACTIVITIES PLANNED FOR Monday, October 25, 2004**

- ◆ URS to continue with co-located (T4/7 and T6/T7) soil.
- ◆ URS to start the Pond sediment sampling on Tuesday, October 26th.
- ◆ Mactec and WDC Exploration to continue piezometer well construction at RIPZ-10.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 25, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Monday, October 25, 2004

No: DAR-RI04-72

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Medium and Deep Soil Boring (Type 4/7 and 6/7):*

- ◆ Completed two of the co-located Type 4/7 soil boring.

Type 4/7	RISBCD-04*
Type 4/7	RISBCD-13
* Duplicate sample collected	

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration video logged, televiwer logged and induction logged piezometer location RG-11B-2. Installed piezometer with a screened interval of 60 to 80 bgs.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Piezometer	Installed one piezometer.
Type 4/7 Soil boring	2 locations completed and 10 samples collected.

**ACTIVITIES PLANNED FOR Tuesday, October 26, 2004**

- ◆ URS to continue with co-located (T4/7 and T6/T7) soil sampling program.
- ◆ Kennetic Laboratories will mobilize down to start the Pond sediment sampling.
- ◆ Mactec and WDC Exploration to continue piezometer construction at RIPZ-20.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 26, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Tuesday, October 26, 2004

No: DAR-RI04-73

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Medium and Deep Soil Boring (Type 4/7 and 6/7):*

- ◆ Completed two of the co-located Type 4/7 soil boring.

Type 4/7	RISBCD-11
Type 4/7	RISBCD-06*
* Resample for 8015DI and EG only.	

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration cored from surface to 65 ft bgs at location RIPZ-20. Welenco video performed the video log, proposed a screen interval of 55-65 feet. Thunderstorm in area forced brief shut down due to lightning.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Piezometer	Installed one piezometer.
Type 4/7 Soil boring	2 locations completed and 8 samples collected.

**ACTIVITIES PLANNED FOR Wednesday, October 27, 2004**

- ◆ URS to continue with co-located (T4/7 and T6/T7) soil sampling program.
- ◆ Kennetic Laboratories will mobilize down to start the Pond sediment sampling.
- ◆ Mactec and WDC Exploration to continue piezometer construction at RIPZ-20 and core RIPZ-09.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 27, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, October 27, 2004

No: DAR-RI04-74

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Medium and Deep Soil Boring (Type 4/7 and 6/7):*

- ◆ Completed two of the co-located Type 4/7 soil boring.

Type 6/7	RISBLT-07*
* Duplicate sample collected.	

*Activity Category ex: Surface Water Sampling):*

- ◆ Collected one sample of offsite surface water from the North Drainage.

Type 9	RISWOF-05
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*Activity Category ex: Pond Sediment Sampling Activities:*

- ◆ Kinnetic Laboratories was on site to start setting up their equipment to attempt to collect a sample in the bedrock material in the A-Series ponds. They set up their truck and started construction of their pontoon boat.

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration installed piezometer with the planned interval of 55-65 feet. RIPZ-09 was cored to 65 feet bgs.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Surface water sample	1 location sampled
Piezometer	Installed one piezometer.
Type 6/7 Soil boring	1 locations completed and 6 samples collected.

**ACTIVITIES PLANNED FOR Thursday, October 28, 2004**

- ◆ URS to continue with co-located (T4/7 and T6/T7) soil sampling program.

**DAILY ACTIVITY REPORT**  
**October 27, 2004**

- ◆ Kennetic Laboratories will continue with the construction of their sampling apparatus.
- ◆ Mactec and WDC Exploration to continue piezometer construction at RIPZ-09 and core RIPZ-07.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 28, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Thursday, October 28, 2004

No: DAR-RI04-75

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Shallow and Deep Soil Boring (Type 3 and 6/7):*

- ◆ Completed one soil borings.

Type 6/7	RISBLT-08*

*Activity Category ex: Pond Sediment Sampling Activities:*

- ◆ Kinnetic Laboratories was on site to start collecting the core. Their first attempt failed when the boat was unable to stay over the sampling location. They made trips to town to buy supplies to complete the construction of a concrete anchor system.

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration installed piezometer with the planned interval of 50 to 70 feet after coring an additional 5 feet at the request of CH2MHill. Set up on RIMW-07 for the coring activities. Conditions required that the drilling operations switch over to level B supplied air due to contaminants encountered at shallow depths. Cored the boring to 80 feet bgs.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Installed one piezometer. Cored one boring for a well installation
Type 6/7 Soil boring	1 location completed with 6 samples collected.

**ACTIVITIES PLANNED FOR Friday, October 29, 2004**

- ◆ URS to continue with co-located (T4/7 and T6/T7) soil sampling program.

## **DAILY ACTIVITY REPORT**

**October 28, 2004**

- ◆ Kennetic Laboratories will continue with attempting to collect a core from the A-Series pond.
- ◆ Mactec and WDC Exploration to continue at location RIMW-07, Welenco will video tape in the morning and then WDC will complete the well installation.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**October 29, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Friday, October 29, 2004

No: DAR-RI04-76

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Shallow and Deep Soil Boring (Type 3 and 6/7):*

- ◆ Completed two soil borings.

Type 6/7	RISBBC-05*
Type 3	RISSBC-05
*Started but not completed	

*Activity Category ex: Pond Sediment Sampling Activities:*

- ◆ Kinnetic Laboratories was on site to continue to attempt collecting the core. This attempt provided poor core recovery, less than two feet was recovered. This occurred when the coring bit was pulled and it did not remove all of the core along with it. The sample that was recovered was very broken up and the interval that it was collected from was not completely understood.

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration installed monitoring well RIMW-07 after performing video log and reaching consensus on screened interval of 50 to 75 bgs. Drilled the hole under supplied air. No problems were encountered.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Installed one piezometer. Cored one boring for a well installation
Type 3 and Type 6/7 Soil boring	1 location completed and 1 started with 5 samples collected.

**ACTIVITIES PLANNED FOR Monday, November 1, 2004**

- ◆ URS to continue with co-located (T4/7 and T6/T7) soil sampling program.

## **DAILY ACTIVITY REPORT**

**October 29, 2004**

- ◆ Kennetic Laboratories will continue with attempting to collect a core from the A-Series pond.
- ◆ Mactec and WDC Exploration to continue at location RIMW-07, Welenco will video tape in the morning and then WDC will complete the well installation.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 1, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Monday, November 1, 2004, 2004

No: DAR-RI04-77

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Shallow and Deep Soil Boring (Type 3 and 6/7):*

- ◆ Completed two soil borings.

Type 6/7	RISBBC-05*
Type 6/7	RISBBC-04
*Completed from yesterday	

*Activity Category ex: Pond Sediment Sampling Activities:*

- ◆ Kinnetic Laboratories will be back onsite on Wednesday.

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration grouted the surface seal at monitoring well RIMW-07, set up and cored at location RIPZ-18. Problems with core recovery in the fill and alluvium required that they move over and make a second attempt. Cored to 20 feet bgs.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Cored one boring for a piezometer installation
Type 6/7 Soil boring	2 locations completed with 5 samples collected.

**ACTIVITIES PLANNED FOR Tuesday, November 2, 2004,**

- ◆ URS to continue with co-located (T6/T7) soil sampling program.
- ◆ Mactec and WDC Exploration to continue at location RIPZ-18, Welenco will video tape in the morning and then WDC will complete the well installation. Set up on RIPZ-06 and core and video tape in preparation for piezometer installation.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

**DAILY ACTIVITY REPORT**  
**November 1, 2004**

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 2, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Tuesday, November 2, 2004

No: DAR-RI04-78

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Shallow and Deep Soil Boring (Type 6/7):*

- ◆ Completed one soil borings.

Type 6/7	RISBBC-04
*Completed from yesterday	

*Activity Category ex: Pond Sediment Sampling Activities:*

- ◆ Kinnetic Laboratories reported a delay due to loss of equipment, they will be on site late Wednesday or Thursday.

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration cored from 20 to 40 feet bgs in RIPZ-18, video logged the hole and installed the piezo with a screen from 25 to 40 feet bgs.
- ◆ Cored to 45 feet bgs at RIPZ-06, video logged the hole.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Installed one piezometer and Cored one boring and video logged for a piezometer installation
Type 6/7 Soil boring	1 locations completed with 2 samples collected.

**ACTIVITIES PLANNED FOR Wednesday, November 3, 2004,**

- ◆ URS to continue with co-located (T6/T7) soil sampling program.
- ◆ Mactec and WDC Exploration to continue at location RIPZ-06, WDC will complete the well installation. Set up on RIPZ-02 and core and video tape in preparation for piezometer installation.

**DAILY ACTIVITY REPORT**  
**November 2, 2004**

- ◆ Kinnetic may be mobilizing to the site depending upon them completing their restocking of their van.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 3, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, November 3, 2004

No: DAR-RI04-79

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Shallow and Deep Soil Boring (Type 6/7):*

- ◆ Completed one soil borings.

Type 6/7	RISBBC-03
*Duplicate sample collected	

*Activity Category ex: Pond Sediment Sampling Activities:*

- ◆ Kinnetic Laboratories was delayed due to loss of equipment; they arrived late on Wednesday for start of work on Thursday.

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration installed piezometer RIPZ-6 to 50 bgs.
- ◆ Cored to 45 feet bgs at RIMW-02, will video log the hole tomorrow morning.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Installed one piezometer and Cored one boring.
Type 6/7 Soil boring	1 location completed with 2 samples collected.

**ACTIVITIES PLANNED FOR Thursday, November 4, 2004,**

- ◆ URS to continue with (T7) soil sampling program, one location remaining in program.
- ◆ Mactec and WDC Exploration to continue at location RIPZ-02, WDC will complete the well installation. Set up on RIPZ-19 and core and videotape in preparation for piezometer installation.
- ◆ Kinnetic may be mobilizing to the site depending upon them completing their restocking of their van.

**DAILY ACTIVITY REPORT**  
**November 3, 2004**

- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 4, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Thursday, November 4, 2004

No: DAR-RI04-80

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Soil Boring (Type 7):

- ◆ Completed one soil boring.

Type 7	RISBCD-09

*Activity Category* ex: Pond Sediment Sampling Activities:

- ◆ Kinnetic Laboratories completed one location in the A-Series pond.

Type 8	RIESP-13

*Activity Category* ex: Chemical Quality Well Installation:

- ◆ Mactec/WDC Exploration rain delayed the video logging of RIMW-02, the WDC crew worked on surface completions and housekeeping.

*Activity Category* ex: Semi-Annual Groundwater Sampling:

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	No wells installed due to weather
Type 8 Sediment boring	1 location completed with 3 samples collected.
Type 7 Soil boring	1 location completed with 2 samples collected.

**ACTIVITIES PLANNED FOR Friday, November 5, 2004,**

- ◆ URS to continue with Type 8, sediment-sampling activities in the A-Series pond.
- ◆ Mactec and WDC Exploration have no activities planned for Friday due to weather.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 5, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Friday, November 5, 2004

No: DAR-RI04-81

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Pond Sediment Sampling Activities:*

- ◆ Kinnetic Laboratories completed one location in the A-Series pond.

Type 8	RISESP-10

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration rain delayed the video logging of RIMW-02, the WDC crew were off site for today.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	No work today.
Type 8 Sediment boring	1 location completed with 3 samples collected.

**ACTIVITIES PLANNED FOR Monday, November 8, 2004,**

- ◆ URS to continue with Type 8, sediment-sampling activities in the A-Series pond.
- ◆ URS to start the trench investigation in the RCRA Canyon.
- ◆ Mactec and WDC Exploration will continue with RIMW-2 assuming the weather allows them access.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 8, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Monday, November 8, 2004

No: DAR-RI04-82

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Pond Sediment Sampling Activities:*

- ◆ Kinnetic Laboratories started one location in the A-Series pond.

Type 8	RISESP-12

*Activity Category ex: Trench Investigations:*

- ◆ URS started one trench location at the head of RCRA Canyon.

Type 6	RITRRC-01

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration video logged RIMW-02 and installed the well.
- ◆ Cored RIPZ-19 and video logged the boring.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec personnel on-site for groundwater sampling activities.

**Quantities Summary:**

Item	Quantity
Trench Investigation	One location started, two samples collected
Water Quality Investigation	Installed one monitoring well RIMW-2 and cored RIPZ-19.
Type 8 Sediment boring	1 location completed with 1 samples collected.

**ACTIVITIES PLANNED FOR Tuesday, November 9, 2004,**

- ◆ URS to continue with Type 8, sediment-sampling activities in the A-Series pond.
- ◆ URS to complete the surface water sampling for the C-drainage creek.
- ◆ URS to complete the trench investigation in the RCRA Canyon and begin the trench investigation at the Pond C to Pond M connector area.
- ◆ Mactec and WDC Exploration will continue with RIMW-2 assuming the weather allows them access.

**DAILY ACTIVITY REPORT**  
**November 8, 2004**

- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 9, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Tuesday, November 9, 2004

No: DAR-RI04-83

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Pond Sediment Sampling Activities:*

- ◆ Kinnetic Laboratories completed one location in the A-Series pond.

Type 8	RISESP-11
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*Activity Category ex: Trench Investigations:*

- ◆ URS completed one trench location at the head of RCRA Canyon.
- ◆ URS completed one trench location at Ponds and Pads area:

Type 6	RITRON-01
Type 6	RITRRC-01

*Activity Category ex: Offsite Surface Water Sampling:*

- ◆ URS completed the sampling of the surface water from the C-drainage.
- ◆ URS completed two surface water locations:

RISWOF-04
RISWOF-03

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration installed RIPZ-19, mobilized over to RIPZ-11.

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec personnel on-site for groundwater sampling activities.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Installed one piezometer.
Type 8 Sediment boring	1 location completed with 6 samples collected.
Surface Water Sampling	2 locations completed with 2 samples collected.
Type 6 Trench Investigation	2 locations completed with 2 samples collected.

**ACTIVITIES PLANNED FOR Wednesday, November 10, 2004**

- ◆ URS to continue with Type 8, sediment-sampling activities in the A-Series pond.
- ◆ URS to complete the trench investigation at the Pond C to Pond M connector area.

**DAILY ACTIVITY REPORT**  
**November 9, 2004**

- ◆ Mactec and WDC Exploration will continue with RIPZ-11.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 10, 2004**

To: CH2Mhill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Wednesday, November 10, 2004

No: DAR-RI04-84

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Trench Sampling:

- ◆ Completed one trench in the former ponds and pads area of the site. This completes the trench sampling program.

Trench Sample	RITRON-02*
*duplicate sample collected	

*Activity Category* ex: Pond Sediment Sampling Activities (Type 8b):

- ◆ Completed one pond sediment sampling location in central A-Series Pond.

Type 8b	RIESP-11+
+EPA/CH <sub>2</sub> Mhill split sample collected	

*Activity Category* ex: Chemical Quality Well Installation:

- ◆ Mactec/WDC Exploration cored to total depth of 65 feet bgs in RIPZ-11, video logged the hole to 38 feet due to the presence of water. Transferred IDW to PCB Landfill area.

*Activity Category* ex: Semi-Annual Groundwater Sampling:

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Cored and video logged one boring
Type 8b Pond Sediment sampling	1 location completed with 3 samples collected.
Trench sampling	1 trench completed with 4 samples collected

**ACTIVITIES PLANNED FOR Thursday, November 11, 2004,**

**DAILY ACTIVITY REPORT**  
**November 10, 2004**

- ◆ URS/Kinnetics to mobilize pond sampling equipment to Pond A-5.
- ◆ Mactec and WDC Exploration to install piezometer at RIPZ-11, then mobilize to RIMW-05.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 11, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Thursday, November 11, 2004

No: DAR-RI04-85

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Pond Sediment Sampling Activities (Type 8b):

- ◆ Completed one pond sediment sampling location in Pond A-5.

Type 8b	RISETL-03+
+EPA/CH <sub>2</sub> Mhill split sample collected	

*Activity Category* ex: Chemical Quality Well Installation:

- ◆ Mactec/WDC Exploration installed piezometer in RIPZ-11, screened from 30 to 50 feet. Mobilized to RIMW-05 and cored to 35 feet.

*Activity Category* ex: Semi-Annual Groundwater Sampling:

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Installed 1 piezometer, and cored portion of 1 boring
Type 8b Pond Sediment sampling	1 location completed with 3 samples collected.

**ACTIVITIES PLANNED FOR Friday, November 12, 2004,**

- ◆ URS to continue with Type 8b pond sediment sampling in Pond A-5.
- ◆ Mactec and WDC Exploration to complete coring RIMW-05.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 12, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Friday, November 12, 2004

No: DAR-RI04-86

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Pond Sediment Sampling Activities (Type 8b):

- ◆ Completed two pond sediment sampling locations in Pond A-5.

Type 8b	RISRTL-01
	RISRTL-02*
* duplicate sample collected	

*Activity Category* ex: Chemical Quality Well Installation:

- ◆ Mactec/WDC Exploration completed coring RIMW-05 to 65 feet and video-logged the borehole. Installed monitoring well.

*Activity Category* ex: Semi-Annual Groundwater Sampling:

- ◆ Mactec and BlaineTech personnel on-site for groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Cored 1 boring and installed 1 monitoring well.
Type 8b Pond Sediment sampling	2 locations completed with 7 samples collected.

**ACTIVITIES PLANNED FOR Monday, November 15, 2004,**

- ◆ URS/Kinnetics to continue mobilize sampling equipment to RCF Pond, and continue with Type 8b pond sediment sampling.
- ◆ Mactec and WDC Exploration to install a grout seal in RIMW-05 and mobilize to RIPZ-02.
- ◆ Mactec and BlaineTech to continue groundwater sampling.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 15, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Monday, November 15, 2004

No: DAR-RI04-87

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Pond Sediment Sampling Activities (Type 8b):*

- ◆ Kinnetics mobilized to RCF Pond and set up for sampling activity.

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration poured the grout seal for RIMW-05, and mobilized to RIPZ-02. Cored RIPZ-02 to 30 feet. Began development of RIMW-05

*Activity Category ex: Semi-Annual Groundwater Sampling:*

- ◆ Mactec personnel completed groundwater sampling activity.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Completed and developed 1 monitoring well. Cored portion of piezometer location
Type 8b Pond Sediment sampling	No sampling activity

**ACTIVITIES PLANNED FOR Tuesday, November 16, 2004**

- ◆ URS/Kinnetics to continue with Type 8b pond sediment sampling in RCF Pond.
- ◆ Mactec and WDC Exploration to complete RIPZ-02 and mobilize to RIMW-01.
- ◆ Mactec and development rig on-site.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 16, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Tuesday, November 16, 2004

No: DAR-RI04-88

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Pond Sediment Sampling Activities (Type 8b):*

- ◆ Completed two pond sediment sampling locations in RCF Pond.

Type 8b	RIESP-02
	RIESP-05*
*duplicate sample collected	

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration cored to total depth of 50 feet bgs in RIPZ-02, video logged the hole, and installed the piezometer.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Cored and video logged one boring. Installed one piezometer.
Type 8b Pond Sediment sampling	2 locations completed with 7 samples collected.

**ACTIVITIES PLANNED FOR Wednesday, November 17, 2004,**

- ◆ URS/Kinnetics to continue pond sediment sampling in RCF Pond.
- ◆ Mactec and WDC Exploration to mobilize to RIMW-01 and core that boring.
- ◆ Mactec to continue well development with development rig.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 17, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Wednesday, November 17, 2004

No: DAR-RI04-89

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Pond Sediment Sampling Activities (Type 8b):*

- ◆ Completed three pond sediment-sampling locations in RCF Pond.

Type 8b	RIESP-01*
	RIESP-03
	RIESP-04
*Duplicate sample collected	

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration cored to total depth of 40 feet bgs in RIMW-01, video logged the hole, and installed the well.
- ◆ Mobbed rig to RIPZ-17

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Cored and video logged one boring. Installed one well.
Type 8b Pond Sediment sampling	3 locations completed with 8 samples collected.

**ACTIVITIES PLANNED FOR Thursday, November 18, 2004,**

- ◆ URS/Kinnetics to continue pond sediment sampling in RCF Pond.
- ◆ Mactec and WDC Exploration to mobilize to RIPZ-17 and core that boring.
- ◆ Mactec to continue well development with development rig.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 18, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Thursday, November 18, 2004

No: DAR-RI04-90

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Pond Sediment Sampling Activities (Type 8b):*

- ◆ Completed two pond sediment-sampling locations in RCF Pond.

Type 8b	RIESP-01*
	RIESP-06
*Completed from yesterday	

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration cored to total depth at RIPZ-17, video logging will take place tomorrow.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Cored and one boring.
Type 8b Pond Sediment sampling	2 locations completed with 5 samples collected.

**ACTIVITIES PLANNED FOR Friday, November 19, 2004,**

- ◆ URS/Kinnetics to continue pond sediment sampling in Pond 13.
- ◆ Mactec and WDC Exploration to complete RIPZ-17.
- ◆ Mactec to continue well development with development rig.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 19, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Friday, November 19, 2004

No: DAR-RI04-91

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Pond Sediment Sampling Activities (Type 8b):*

- ◆ Completed three pond sediment-sampling locations in Pond 13.

Type 8b	RIESP-07
	RIESP-08*
	RIESP-09
*Duplicate sample	

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration video logged at location RIPZ-17, they did not video log the entire boring due to concerns with the stability of the hole. Started reaming for piezometer installation.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Video logged one boring.
Type 8b Pond Sediment sampling	3 locations completed with 9 samples collected.

**ACTIVITIES PLANNED FOR Monday, November 22, 2004,**

- ◆ URS/Kinnetics to continue pond sediment sampling in Pond 18.
- ◆ Mactec and WDC Exploration to continue will coring and well installation activities.
- ◆ Mactec to continue well development with development rig.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 22, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Monday, November 22, 2004

No: DAR-RI04-92

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category ex: Pond Sediment Sampling Activities (Type 8b):*

- ◆ Completed three pond sediment-sampling locations in Pond 13.

Type 8b	RIETL-04
	RIETL-05*
	RIETL-06
*Duplicate sample	

*Activity Category ex: Chemical Quality Well Installation:*

- ◆ Mactec/WDC Exploration worked on the weekend to complete RIPZ-17 and RIMW-06.
- ◆ Cored and logged RIMW-08.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Cored and video logged one location.
Type 8b Pond Sediment sampling	3 locations completed with 9 samples collected.

**ACTIVITIES PLANNED FOR Tuesday, November 23, 2004,**

- ◆ URS/Kinnetics to continue pond sediment sampling in Pond 18.
- ◆ Mactec and WDC Exploration to continue with well installation activities at RIMW-06.
- ◆ Mactec to continue well development with development rig.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**November 23, 2004**

To: CH2MHill / EPA Oversight Representative

From: David Myers  
URS Corporation, RI Field Manager

Date: Tuesday, November 23, 2004

No: DAR-RI04-93

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Pond Sediment Sampling Activities (Type 8b):

- ◆ Completed one pond sediment-sampling location in Pond 18.

Type 8b	RIETL-04

*Activity Category* ex: Chemical Quality Well Installation:

- ◆ Mactec/WDC Exploration completed installation of RIMW-08.

**Quantities Summary:**

Item	Quantity
Water Quality Investigation	Installed one monitoring well.
Type 8b Pond Sediment sampling	1 location completed with 2 samples collected.

**ACTIVITIES PLANNED FOR Wednesday, November 24, 2004,**

- ◆ URS/Kinnetics have completed all sediment-sampling activities.
- ◆ URS RI investigative field personnel will de-mobilize their field office.
- ◆ Mactec and WDC Exploration to continue with well installation activities.
- ◆ Mactec to continue well development with development rig.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

CASMALIA WEEKLY RI SUMMARY

To: EPA Oversight Representative  
From: Mark Wanek, Assistant RI Field Manager  
RIDaily/weekly report number 94

**Summary of activities for week ending 11-26-04:**

- Cored RIMW-06 to total depth of 70 ft. Welenco video-logged hole and well installed with total depth of 70 feet.
- MACTEC and WDC cored well RIMW-08 to a total depth of 70 ft. Welenco performed video log on that boring.
- WDC development rig performed first round of development for RIPZ-17 and -20. Air-lift development on the Gallery Well and central drainage piezometers
- MACTEC and WDC ream pilot hole of boring RIMW-08 and installed well.
- Cored to total depth of RGPZ-10B2
- Developed RIPZ-09, -11, -18, and -19.

(No activity Weds, 11-24 through Fri., 11-26 due to Thanksgiving holiday)

CASMALIA WEEKLY RI SUMMARY

To: EPA Oversight Representative  
From: Mark Wanek, Assistant RI Field Manager  
RIDaily/weekly report number 95

**Summary of activities for week ending 12-03-04:**

- Welenco video-logged well RGPZ-10B2. MACTEC and WDC installed well, screened from 55-75 feet. Grouted well RGPZ-10B2.
- MACTEC and WDC core well RIMW-03 to 35 feet bgs. Welenco video logged hole and installed well.
- Cored to total depth of RIMW-04. Video logged boring and set well.
- Ongoing development with MACTEC and WDC development rig.

CASMALIA WEEKLY RI SUMMARY

To: EPA Oversight Representative  
From: Mark Wanek, Assistant RI Field Manager  
RIDaily/weekly report number 96

**Summary of activities for week ending 12-10-04:**

- MACTEC and WDC cored piezometer RIPZ-16 to a total depth of 200 ft. Welenco performed video log. Installed piezometer to total depth of 152 ft. Installed grout seal.
- MACTEC and WDC set up on RIPZ-15, cored to total depth. Welenco completed video and geophysical logging of that boring.
- Ongoing development with MACTEC and WDC development rig.

**NOTE:**

RI Activity Reports are not available for the period December 11 through December 27, 2004.

**DAILY ACTIVITY REPORT**  
**December 28, 2004**

To: CH2MHill / EPA Oversight Representative

From: Mark Wanek  
URS Corporation, Assistant RI Field Manager

Date: Tuesday, December 28 2004

No: DAR-RI04-97

Via:  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING PREVIOUS DAY**

*Activity Category* ex: Surface Water Sampling (Type 9) Investigation

- ◆ URS collected one surface water sample from RCRA Canyon during a storm event.
- ◆ Collected Type 9 surface water sample from

RISWRC-01 <sup>+</sup>
<sup>+</sup> CH2MHill/EPA split sample location

**Quantities Summary:**

Item	Quantity
Surface water sample	1 location sampled, with 1 CH <sub>2</sub> MHill/EPA split sample collected

**ACTIVITIES PLANNED FOR Wednesday, December 29, 2004**

- ◆ URS personnel will be on-site for storm/winterization activities. URS and CH<sub>2</sub>MHill/EPA oversight representatives will monitor the A drainage sampling location (RISWOF-01) for flowing water during periods of rainfall.

CC: C.Bertelsen – CSC Project Manager  
David Myers – RI Field Manager

**DAILY ACTIVITY REPORT**  
**Monday, July 17, 2006**

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Date:** July 17, 2006

**No:** DAR-RI06-01

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING July 17, 2006**

Activity Category ex: Soil Sampling Investigation

- ◆ Collected soil samples from three shallow Type 3 sample locations in the former ponds and pads area.
- ◆ Sample locations; RISSON-35, RISSON-36, RISSON-37.
- ◆ No RICH or RFI's for this task;

**Quantifies Summary:**

Item	Quantity
Soil sample locations	3 locations
Primary samples collected	6 samples

**ACTIVITIES PLANNED FOR TODAY**

- ◆ Continue with former pads and ponds area samples.

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Tuesday, July 18, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: July 18, 2006**

**No: DAR-RI06-02**

Via:  Hand Delivery     Fax     Overnight Delivery     PDF E-Mail

**ACTIVITIES COMPLETED DURING July 18, 2006**

*Activity Category ex: Soil Sampling Investigation*

- ◆ *Collected soil samples from seven shallow Type 3 sample locations. Three from the former ponds and pads area, two from the B-Drainage and two from the other onsite areas.*
- ◆ *Sample locations; RISSON-38, RISSON-39, RISSON-40, RISSON-45, RISSON-46, RISSOF-04 and RISSOF-05.*
- ◆ *No RICH or RFI's for this task;*

*Activity Category ex: Piezometer Instillation*

- ◆ *Piezometer RIPZ-37 was completed on July 17, 2006,*
- ◆ *Piezometer RIPZ-33 was installed but at this time the drill rig is in need of repairs, which will be completed in the morning.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Soil sample locations	7 locations
Primary samples collected	12 samples
Duplicates collected	1 sample

**ACTIVITIES PLANNED FOR TODAY**

- ◆ *Continue with the shallow soil-sampling program.*
- ◆ *Mactec will be moving to RIPZ-31*

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Wednesday, July 19, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: July 19, 2006**

**No: DAR-RI06-03**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**ACTIVITIES COMPLETED DURING July 19, 2006**

Activity Category ex: Soil Sampling Investigation

- ◆ Collected soil samples from two shallow Type 5 sample location in the former ponds and pads.
- ◆ Sample locations; RISBON-79; RISBON-80
- ◆ No RICH or RFI's for this task;

Activity Category ex: Piezometer Instillation

- ◆ Piezometers RIPZ-32 and RIPZ-35 were completed in the central drainage area.

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Soil sample locations	2 locations
Primary samples collected	8 samples
Split Sample with EPA	1 location
Duplicates collected	1 sample

**ACTIVITIES PLANNED FOR TODAY**

- ◆ Continue with the shallow soil-sampling program.
- ◆ Mactec will be moving to RIPZ-31

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Thursday, July 20, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: July 20, 2006**

**No: DAR-RI06-04**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**ACTIVITIES COMPLETED DURING July 20, 2006**

Activity Category ex: Soil Sampling Investigation

- ◆ Collected soil samples from two shallow Type 5 sample location in the former ponds and pads, and on collected samples from one Type 6 in the Central Drainage area.
- ◆ Sample locations; RISBON-81; RISBON-82 and RISBCD-15
- ◆ No RICH or RFI's for this task;

Activity Category ex: Piezometer Instillation

- ◆ Piezometer was installed at location RIPZ-31 and the well monuments completed for all of the piezometers installed to date.

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Soil sample locations	3 locations
Primary samples collected	13 samples

**ACTIVITIES PLANNED FOR TODAY**

- ◆ Continue with the shallow soil-sampling program.
- ◆ Mactec will be gauge water levels in all of the latest completed piezometers.

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
Friday, July 21, 2006

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: July 21, 2006**

**No: DAR-RI06-05**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**ACTIVITIES COMPLETED DURING July 21, 2006**

*Activity Category ex: Soil Sampling Investigation*

- ◆ *Collected soil samples from two shallow Type 3 sample locations in the remaining onsite areas.*
- ◆ *Sample locations; RISSON-43, and RISSON-44.*
- ◆ *No RICH or RFI's for this task;*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Soil sample locations	2 locations
Primary samples collected	4 samples
Duplicate	1 sample

**ACTIVITIES PLANNED FOR TODAY**

- ◆ *Continue with the shallow soil-sampling program.*
- ◆ *The clay barrier sampling is scheduled for Tuesday July 25, 2006.*

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Monday, July 24, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: July 24, 2006**

**No: DAR-RI06-06**

Via:  Hand Delivery     Fax     Overnight Delivery     PDF E-Mail

**ACTIVITIES COMPLETED DURING July 24, 2006**

Activity Category ex: Soil Sampling Investigation

- ◆ *Collected soil samples from one deep soil sample location in the vicinity of RISBON-59 in the remaining on-site areas.*
- ◆ *Sample location; RISBON-83*
- ◆ *A RICH is being prepared for changes to the sampling method and sampling interval for this site;*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Soil sample locations	1 locations
Primary samples collected	5 samples
Duplicate	1 sample

**ACTIVITIES PLANNED FOR TODAY**

- ◆ *Continue with the deep soil-sampling program around RISBON-59*
- ◆ *The clay barrier sampling has been re-scheduled for Thursday July 27, 2006.*

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Tuesday, July 25, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: July 25, 2006**

**No: DAR-RI06-07**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**ACTIVITIES COMPLETED DURING July 25, 2006**

Activity Category ex: Soil Sampling Investigation

- ◆ *Collected soil samples from one deep soil sample location in the vicinity of RISBON-59 in the remaining on-site areas.*
- ◆ *Sample location; RISBON-84*
- ◆ *A RFI is being prepared for changes to the sampling method and sampling interval for this site;*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Soil sample locations	1 locations
Primary samples collected	5 samples
MS/MSD	1 sample

**ACTIVITIES PLANNED FOR TODAY**

- ◆ *Continue with the deep soil-sampling program around RISBON-59*
- ◆ *The clay barrier sampling has been re-scheduled for Thursday July 27, 2006.*

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Wednesday, July 26, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: July 26, 2006**

**No: DAR-RI06-08**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**ACTIVITIES COMPLETED DURING July 26, 2006**

Activity Category ex: Soil Sampling Investigation

- ◆ Collected soil samples from one deep soil sample location in the vicinity of RISBON-59 in the remaining on-site areas.
- ◆ Sample location; RISBON-85
- ◆ A RFI is being prepared for changes to the sampling method and sampling interval for this site;

**Quantifies Summary:**

<b>Item</b>	<b>Quantity</b>
Soil sample locations	1 locations
Primary samples collected	5 samples
EPA Splits Collected	1 sample

**ACTIVITIES PLANNED FOR TODAY**

- ◆ Collect the Shelby Tube samples from the three location on the clay barrier.

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Thursday, July 27, 2006**

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Date:** July 27, 2006

**No:** DAR-RI06-09

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING July 27, 2006**

Activity Category ex: Soil Sampling Investigation

- ◆ Collected the Shelby tube samples from deepest and western most clay barrier location.
- ◆ Sample location; RISCCL-7

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Soil sample locations	1 locations
Primary samples collected	1 sample

**ACTIVITIES PLANNED FOR TODAY**

- ◆ Collect the Shelby Tube samples from the two remaining locations on the clay barrier.

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Friday, July 28, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: July 28, 2006**

**No: DAR-RI06-10**

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING July 28, 2006**

*Activity Category ex: Soil Sampling Investigation*

- ◆ *Collected the Shelby tube samples from center and eastern clay barrier locations.*
- ◆ *Sample locations; RISSCL-08, 09*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Soil sample locations	2 locations
Primary samples collected	2 samples

**ACTIVITIES PLANNED FOR TODAY**

- ◆ *Collect soil gas samples from three locations along the fence line of the site. Two on the eastern boundary and one in the northeast corner.*

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Monday, July 31, 2006**

Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Monday, July 31, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: July 31, 2006**

**No: DAR-RI06-11**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**ACTIVITIES COMPLETED DURING July 31, 2006**

Activity Category ex: Soil Sampling Investigation

- ◆ Collected shallow Type 2 soil samples at six locations on the site.
- ◆ Sample locations; RISBRC-5B, RISBRC-22B, RISBRC-20B, RISSRC-2B, RISSRC-16B, RISSA-5B.
- ◆ No problems or RICH required for this task.

Activity Category ex: Soil Gas Investigation

- ◆ Collected three soil gas samples at three perimeter locations on the site.
- ◆ Sample locations; RISVCL-3D, RISVCL-4D, AND RISVCL-5D.
- ◆ No problems or RICH required for this task.

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Soil sample locations	6 locations
Primary soil samples collected	6 samples
Duplicate soil samples collected	1 sample
Soil gas sampling locations	3 locations
Primary soil gas samples collected	3 samples

**ACTIVITIES PLANNED FOR TODAY**

- ◆ Continue with the shallow soils investigation around the western side of the RCRA canyon.

Attachments:

1. None

CC: Tony Colera – URS Site Manager

**DAILY ACTIVITY REPORT**  
**Tuesday, August 01, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: August 1, 2006**

**No: DAR-RI06-12**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**ACTIVITIES COMPLETED DURING August 1, 2006**

Activity Category ex: Soil Sampling Investigation

- ◆ Collected shallow Type 2 and Type 3 soil samples at eight locations on the site.
- ◆ Sample locations; RISSON-42, RISSON-41, RISSRC-6B, RISSRC-9B, RISSRC-1B, RISSSA-6B, RISSSA-4B, RISBRC-16B
- ◆ No problems or RICH required for this task.

**Quantities Summary:**

Item	Quantity
Soil sample locations	8 locations
Primary soil samples collected	15 samples

**ACTIVITIES PLANNED FOR TODAY**

- ◆ Continue with the Type 6 soils investigation; one in the central drainage and three west of the burial trench area.

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Wednesday, August 02, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: August 2, 2006**

**No: DAR-RI06-13**

Via:  Hand Delivery     Fax     Overnight Delivery     PDF E-Mail

**ACTIVITIES COMPLETED DURING August 2, 2006**

Activity Category ex: Soil Sampling Investigation

- ◆ Collected Type 6 soil samples at two locations on the site.
- ◆ Sample locations; RISBCD-14, and RISBBC-06 (not completed)
- ◆ No problems or RICH required for this task.

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Soil sample locations	2 locations
Primary soil samples collected	7 samples
Split samples with EPA	4 samples

**ACTIVITIES PLANNED FOR TODAY**

- ◆ Continue with the Type 6 soils investigation; complete the RISBBC-06 and then move to RISBBC-07.

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Thursday, August 03, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: August 3, 2006**

**No: DAR-RI06-14**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**ACTIVITIES COMPLETED DURING August 3, 2006**

Activity Category ex: Soil Sampling Investigation

- ◆ *Collected Type 6 soil samples at one location at the burial trench area.*
- ◆ *Samples collected at location RISBBC-06.*
- ◆ *No problems or RICH required for this task.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Soil sample locations	1 locations
Primary soil samples collected	2 samples

**ACTIVITIES PLANNED FOR TODAY**

- ◆ *Continue with the Type 6 soils investigation at location RISBBC-07.*

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Friday, August 04, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: August 4, 2006**

**No: DAR-RI06-15**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**ACTIVITIES COMPLETED DURING August 4, 2006**

Activity Category ex: Soil Sampling Investigation

- ◆ *Collected Type 6 soil samples at one location at the burial trench area.*
- ◆ *Samples collected at location RISBBC-07.*
- ◆ *No problems or RICH required for this task.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Soil sample locations	1 locations
Primary soil samples collected	5 samples

**ACTIVITIES PLANNED FOR TODAY**

- ◆ *Continue with the Type 6 soils investigation at location RISBBC-08*
- ◆ *Mactec's drilling operations have been delayed by driller availability until late Tuesday afternoon or Wednesday morning. I will provide updated schedule information to Elizabeth Bryant as it becomes available.*

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Monday, August 07, 2006**

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Date:** August 7, 2006

**No:** DAR-RI06-16

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING August 7, 2006**

Activity Category ex: Soil Sampling Investigation

- ◆ Collected Type 6 soil samples at one location southwest of the burial trench area and two Type 2 samples from the offsite areas.
- ◆ Samples collected at locations RISBBC-08, RISSBK-13 and RISSBK-20.
- ◆ No problems or RICH required for this task.

**Quantities Summary:**

Item	Quantity
Soil sample locations	3 locations
Primary soil samples collected	7 samples

**ACTIVITIES PLANNED FOR TODAY**

- ◆ Start to collect the eleven sediment samples from the onsite ponds.
- ◆ Mactec's drilling operations have been delayed by driller availability until late Tuesday afternoon or Wednesday morning. I will provide updated schedule information to Elizabeth Bryant as it becomes available.

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Wednesday, August 09, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: August 8, 2006**

**No: DAR-RI06-17**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**ACTIVITIES COMPLETED DURING August 8, 2006**

Activity Category ex: Soil Sampling Investigation

- ◆ Collected Type 8 soil samples at eleven locations in the on-site ponds.
- ◆ Samples collected at locations RISESP-14, RISESP-15, RISESP-16, RISESP-17, RISESP-18, RISESP-19, RISESP-20, RISESP-21, RISESP-22, RISESP-23, and RISETL-07.
- ◆ No problems or RICH required for this task.

**Quantities Summary:**

Item	Quantity
Soil sample locations	11 locations
Primary soil samples collected	11 samples
Duplicate samples collected	1 sample
MS/MS Dup	1 sample
EPA Split	1 sample

**ACTIVITIES PLANNED FOR TODAY**

- ◆ Mactec's drilling operations have been delayed by driller availability until at the earliest Wednesday. I will provide updated schedule information to Elizabeth Bryant as it becomes available.
- ◆ URS will be doing the wetlands area soil type mapping exercise on Thursday, August 10, 2006.

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Wednesday, August 09, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: August 9, 2006**

**No: DAR-RI06-18**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**ACTIVITIES COMPLETED DURING August 9, 2006**

Activity Category ex: Soil Sampling Investigation

- ◆ *All soil sampling activities have been completed.*

Activity Category ex: Wetlands Area Preliminary Design

- ◆ *Completed a quick preliminary walk around the wetlands area to stake the area to mapped.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
No Samples Collected Today	

**ACTIVITIES PLANNED FOR TODAY**

- ◆ *Mactec's drilling operations have been delayed by driller availability until at the earliest Thursday. I will provide updated schedule information to Elizabeth Bryant as it becomes available.*
- ◆ *URS will be doing the wetlands area soil type mapping exercise on Thursday, August 10, 2006.*

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Thursday, August 17, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: August 17, 2006**

**No: DAR-RI06-19**

**Via:**  Hand Delivery     Fax     Overnight Delivery     PDF E-Mail

**ACTIVITIES COMPLETED DURING August 17, 2006**

*Activity Category ex: Piezometer Installation*

- ◆ *Pushed RIPZ-14 through P/S Landfill to HSU contact. Contact transition zone 153 to 156 feet bgs. TD of CPT hole 156 feet.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Installed RIPZ-14	1 piezo installed

**ACTIVITIES PLANNED FOR TODAY**

- ◆ *Mactec will be installing RIPZ-34*

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Friday, September 11, 2006**

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Mactec will be mobilizing WDC to the site to begin drilling on Tuesday, September 12, 2006*

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Friday, August 18, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: August 18, 2006**

**No: DAR-RI06-20**

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING August 18, 2006**

*Activity Category ex: Piezometer Installation*

- ◆ *Pushed RIPZ-34. Contact to HSU at 28 feet bgs. TD of CPT hole 28 feet. Piezometer installed with screened interval 10 to 25" bgs.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Installed RIPZ-34	1 piezo installed

**ACTIVITIES PLANNED FOR TODAY**

- ◆ *Mactec will be mobilizing WDC to the site to on Friday, August 25, 2006*

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
Friday, September 11, 2006

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Date:** September 11, 2006

**No:** DAR-RI06-21

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING August 21, 2006 through August 25, 2006**

Activity Category ex: Piezometer Development Summary

Monday, August 21, 2006:

- Collect water levels from all piezometers.
- Begin development of RIPZ-32 using bailer and peristaltic tubing. Approximately 2.25 gallons purged (approximately 5.25 well volumes).
- Install airlift fittings to tops of RIPZ-14, -32, and -37.

Tuesday, August 22, 2006:

- Install airlift fittings to tops of the remainder of the piezometers.
- Begin development of piezometers RIPZ-31, -32, -33, -35, and -37 using air lift techniques.

Wednesday, August 23, 2006:

- Continue airlift development of all piezometers begun on Tuesday. Attempt also from RIPZ-14, although too deep for this compressor.

Thursday, August 24, 2006:

- Added casing extension to top of RIPZ-35.
- Continue airlift development all piezometers.
- Begin airlift development of RIPZ-14 with larger compressor.

Friday, August 25, 2006:

- Complete airlift development of RIPZ-31, -32, -33, -35, and -37.
- Complete second airlift attempt from RIPZ-14.
- Remove airlift tubing from piezometers.

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Development of Piezometers	6 piezo developed

**DAILY ACTIVITY REPORT**  
**Friday, September 12, 2006**

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Date:** September 12, 2006

**No:** DAR-RI06-22

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING September 12, 2006**

*Activity Category ex: Monitoring Well Installation*

- ◆ *Set up and started drilling at location RIMW-10. Drilled and installed 8 inch auger to be used as a conductor casing for the installation of the borehole.*
- ◆ *Problems with air circulation will require the augers to be exchanged for the larger 12" augers tomorrow.*
- ◆ *A different bit has been ordered to allow for better core recovery and quality.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Started drilling at location RIMW-10	In process

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Mactec will be continuing at location RIMW-10*

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Friday, September 13, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: September 13, 2006**

**No: DAR-RI06-23**

**Via:**  Hand Delivery     Fax     Overnight Delivery     PDF E-Mail

**ACTIVITIES COMPLETED DURING September 13, 2006**

Activity Category ex: Monitoring Well Installation

- ◆ *Drilled and installed 10 inch auger to be used as a conductor casing for the installation of the borehole. Set the casing to a depth of 21 feet.*
- ◆ *A different bit has been ordered to allow for better core recovery and quality. One bit arrived late in the day because of delays due to transportation from Los Angeles.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Set the 10" conductor at location RIMW-10	Casing set to 21" bgs

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Mactec will be continuing at location RIMW-10*

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Friday, September 14, 2006**

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Date:** September 14, 2006

**No:** DAR-RI06-24

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING September 14, 2006**

Activity Category ex: Monitoring Well Installation

- ◆ Cored the boring at RIMW-10 to a depth of 50 bgs.

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Cored at location RIMW-10 to 50 bgs	Cored to 50'

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ Mactec will be continuing at location RIMW-10 coring to the HSU contact at ~60 feet, then geophysically logged.

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Friday, September 15, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: September 15, 2006**

**No: DAR-RI06-25**

**Via:**  Hand Delivery     Fax     Overnight Delivery     PDF E-Mail

**ACTIVITIES COMPLETED DURING September 15, 2006**

*Activity Category ex: Monitoring Well Installation*

- ◆ *Cored the boring at RIMW-10 to a depth of 64 bgs. HSU contact at 60 feet bgs.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Cored at location RIMW-10 to 64 bgs	Cored to 64

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Mactec will be geophysically logged and the well completed on Monday September 18, 2006.*

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
Friday, September 18, 2006

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Date:** September 18, 2006

**No:** DAR-RI06-26

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING September 18, 2006**

*Activity Category ex: Monitoring Well Installation*

- ◆ Completed the video logging of the borehole for monitoring well RIMW-10.
- ◆ Installed the 4" diameter well with a screened interval of 40 to 60 feet bgs.
- ◆ Continued development of RIPZ-14.

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Video logging of RIMW-10	1 boring logged
Installed monitoring well at RIMW-10	Well screened 40' to 60'

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ Mactec will be setting up and starting to drill at location RIMW-11.

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Tuesday, September 19, 2006**

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Date:** September 19, 2006

**No:** DAR-RI06-27

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING September 19, 2006**

Activity Category ex: Monitoring Well Installation

- ◆ Began drilling the boring for monitoring well RIMW-11.
- ◆ Encountered the contact between the weathered and un-weathered HSU's at ~18 feet bgs and the boring was terminated at 26 feet bgs.

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Boring advanced at RIMW-11	26 feet cored

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ Continue coring at location RIMW-11 and then set up on location RIPZ-29 to core the boring for the piezometer.

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Wednesday, September 20, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: September 20, 2006**

**No: DAR-RI06-28**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**ACTIVITIES COMPLETED DURING September 20, 2006**

Activity Category ex: Monitoring Well Installation

- ◆ Completed drilling of boring at RIMW-11 to 31 feet bgs.
- ◆ Began drilling the boring for piezometer RIPZ-29.
- ◆ Cored boring to 31 feet bgs at location RIPZ-29 before a pin broke on the sampler. The pin was ordered but sampling will not resume until it arrives.

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Boring advanced at RIMW-11	5 additional feet cored
Boring advanced at RIPZ-29	31 feet cored

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ Continue coring at location RIPZ-29.

Attachments:

1. None

**CC: Tony Colera – URS Site Manager**  
**Corey Bertelsen – Casmalia Project Manager**

**DAILY ACTIVITY REPORT**  
**Thursday, September 21, 2006**

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Date:** September 21, 2006

**No:** DAR-RI06-29

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING September 21, 2006**

Activity Category ex: Monitoring Well Installation

- ◆ Installed surface completion at RIMW-10.
- ◆ Cored boring to 62 feet bgs at location RIPZ-29.
- ◆ Let water stabilize then backfilled the bottom of the boring with bentonite chips to approximately 55 feet bgs.

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Boring advanced at RIPZ-29	31 additional feet cored

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ Complete video logging and piezometer completion at location RIPZ-29.

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Friday, September 22, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: September 22, 2006**

**No: DAR-RI06-30**

**Via:**  Hand Delivery     Fax     Overnight Delivery     PDF E-Mail

**ACTIVITIES COMPLETED DURING September 22, 2006**

*Activity Category ex: Monitoring Well Installation*

- ◆ *Installed piezometer at RIPZ-29 with well screen from 25 to 45 feet bgs..*
- ◆ *Video logged boring to ~40 feet bgs.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Installed RIPZ-29, well sceened from 25 to 45'	One piezometer
Video logged boring RIPZ-29	

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Set up and begin drilling RIPZ-30.*

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Monday, September 25, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: September 25, 2006**

**No: DAR-RI06-31**

Via:  Hand Delivery     Fax     Overnight Delivery     PDF E-Mail

**ACTIVITIES COMPLETED DURING September 25, 2006**

*Activity Category ex: Monitoring Well Installation*

- ◆ *Installed piezometer at RIPZ-30 with well screen from 25 to 45 feet bgs.*
- ◆ *Video logged boring to ~40 feet bgs.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Installed RIPZ-30, well screened from 28' to 48'	One piezometer
Boring RIPZ-30 completed to a depth of 56 feet	

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Set up and begin drilling RIPZ-30.*

Attachments:

1. ... None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Tuesday, September 26, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: September 26, 2006**

**No: DAR-RI06-32**

Via:  Hand Delivery     Fax     Overnight Delivery     PDF E-Mail

**ACTIVITIES COMPLETED DURING September 26, 2006**

Activity Category ex: Monitoring Well Installation

- ◆ Completed the final installation of piezometer at RIPZ-30.

Activity Category ex: Soil Boring

- ◆ Setup and started drilling at soil boring location SB-02, cored to 46 feet and then reamed to set conductor casing.

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Completed the installation of RIPZ-30 with well screened from 28' to 48'	One piezometer
Boring SB-02 started,	Drilled 46 feet of core

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ Set conductor casing at SB-02 and continue coring.

Attachments:

1. None

**CC: Tony Colera – URS Site Manager**  
**Corey Bertelsen – Casmalia Project Manager**

**DAILY ACTIVITY REPORT**  
**Wednesday, September 27, 2006**

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Date:** September 27, 2006

**No:** DAR-RI06-33

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING September 27, 2006**

*Activity Category ex: Soil Boring*

- ◆ *Install conductor casing at soil boring location SB-02, then continued coring from 46 to 119 feet.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Set conductor casing to 46 feet bgs. Boring SB-02 continued,	One conductor Drilled 73 feet of core

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Complete coring at SB-02.*

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Thursday, September 28, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: September 28, 2006**

**No: DAR-RI06-34**

Via:  Hand Delivery     Fax     Overnight Delivery     PDF E-Mail

**ACTIVITIES COMPLETED DURING September 28, 2006**

Activity Category ex: Soil Boring

- ◆ *Continued coring at SB-02 from 119 to 207 feet.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Coring at SB-02	Drilled 88 feet of core

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Complete coring at SB-02 to a depth of 250 feet.*

Attachments:

1. None

**CC: Tony Colera – URS Site Manager**  
**Corey Bertelsen – Casmalia Project Manager**

**DAILY ACTIVITY REPORT**  
**Friday, September 29, 2006**

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Date:** September 29, 2006

**No:** DAR-RI06-35

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING September 29, 2006**

*Activity Category ex: Soil Boring*

- ◆ *Continued coring at SB-02 from 207 to 238 feet.*

**Quantities Summary:**

<u>Item</u>	<u>Quantity</u>
Coring at SB-02	Drilled 31 feet of core

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Complete coring at SB-02 to a depth of 250 feet then video log the boring.*

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Monday, October 02, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: October 02, 2006**

**No: DAR-RI06-36**

Via:  Hand Delivery     Fax     Overnight Delivery     PDF E-Mail

**ACTIVITIES COMPLETED DURING October 02, 2006**

Activity Category ex: Soil Boring

- ◆ Continued coring at SB-02 from 238 to 252.5 feet.

Activity Category ex: Monitoring Well Installations

- ◆ Installed two shallow additional piezometers, RIPZ-31B and RIPZ-33B.
- ◆ Completed surface completions at RIPZ'S 31B, 33B, 29, and 30.

**Quantities Summary:**

<u>Item</u>	<u>Quantity</u>
Coring at SB-02	Drilled 14.5 feet of core
Installed piezometers RIPZ-31B and RIPZ-33B	2 piezometers installed.
Surface Completions Installed	4 locations

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ Complete the video log of SB-02.

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Tuesday, October 03, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: October 03, 2006**

**No: DAR-RI06-37**

Via:  Hand Delivery     Fax     Overnight Delivery     PDF E-Mail

**ACTIVITIES COMPLETED DURING October 03, 2006**

Activity Category ex: Soil Boring

- ◆ *Turbidity issues with SB-02 prevented the video logging of the boring. The decision was made to wait until Thursday to allow the sediment to settle out and the water to clarify.*

Activity Category ex: Monitoring Well Installations

- ◆ *Coring, logging and well installation will continue at location RIMW-11 once the drillers receive the required drilling string. It is anticipated that this will take place tomorrow.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Attempted video logging	

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Complete the drilling of RIMW-11.*

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Wednesday, October 04, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: October 04, 2006**

**No: DAR-RI06-38**

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING October 04, 2006**

*Activity Category ex: Monitoring Well Installations*

- ◆ *Continued the coring at RIMW-11 to a total depth of 54 feet.*
- ◆ *The boring as reamed so that it could be video logged tomorrow along with SB-02.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Continued to core the boring down to 54 feet.	

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Video log and complete monitoring well RIMW-11.*

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Thursday, October 05, 2006**

**To: CH2MHill / EPA Oversight Representative**

**From: David Myers**  
**Casmalia RI Field Manager**

**Date: October 05, 2006**

**No: DAR-RI06-39**

Via:  Hand Delivery     Fax     Overnight Delivery     PDF E-Mail

**ACTIVITIES COMPLETED DURING October 05, 2006**

Activity Category ex: Monitoring Well Installations

- ◆ Video logged monitoring well RIMW-11.
- ◆ Installed monitoring well after video logging was completed.

Activity Category ex: Soil Boring

- ◆ Video logged soil boring SB-02
- ◆ Grouted and sealed SB-02

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Video logged RIMW-11 and SB-02.	2 borings
Installed monitoring well RIMW-11	1 well

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ Development of RIMW-10 and RIMW-11 planned to start on October 11, 2006.

Attachments:

1. None

CC: Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Monday, April 16, 2007**

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Date:** April 16, 2007

**No:** DAR-RI07-01

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING April 16, 2007**

Activity Category ex: Soil Boring

- ◆ Set up and drilled the lithologic boring at RISBON-86, located ~60 feet west of RISBON-83.
- ◆ Drilled to a total depth of 41 below ground surface, backfilled and abandoned boring location.

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Drill and continuous sampled RISBON-86	Drilled 41 feet of core

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ Move to RISBON-87 and RISBON-88 and drill the lithologic borings for each of these locations.

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Monday, April 17, 2007**

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Date:** April 17, 2007

**No:** DAR-RI07-02

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING April 17, 2007**

*Activity Category ex: Soil Boring*

- ◆ *Set up and drilled the lithologic boring at RISBON-87, located ~60 feet east of RISBON-84.*
- ◆ *Drilled to a total depth of 45 below ground surface, backfilled and abandoned boring location.*
- ◆ *Set up and drilled the lithologic boring at RISBON-88, located ~60 feet southeast of RISBON-85.*
- ◆ *Drilled to a total depth of 37 below ground surface, before calling it for the day to be completed tomorrow.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Drill and continuous sampled RISBON-87	Drilled 45 feet of core
Drill and continuous sampled RISBON-88	Drilled 37 feet of core

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Complete RISBON-88 and move to RISBON-89 to drill the lithologic boring for this location.*

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Monday, April 18, 2007**

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Date:** April 18, 2007

**No:** DAR-RI07-03

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING April 18, 2007**

*Activity Category ex: Soil Boring*

- ◆ *Completed drilling the lithologic boring at RISBON-88.*
- ◆ *Drilled to a total depth of 49 below ground surface, backfilled and abandoned boring location.*
- ◆ *Set up and drilled the lithologic boring at RISBON-88b, located ~70 feet south-southeast of RISBON-88.*
- ◆ *Drilled to a total depth of 49 below ground surface, backfilled and abandoned boring location.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Drill and continuous sampled RISBON-88	Drilled 12 additional feet of core
Drill and continuous sampled RISBON-88b	Drilled 49 feet of core

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Complete sampling at RISBON-88b and move to RISBON-86b to drill and sample selected depths from a boring ~70' west of RISBON-86.*
- ◆ *Move to RISBON-87b to drill and sample selected depths from a boring ~70' east of RISBON-87.*

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Monday, April 19, 2007**

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Date:** April 19, 2007

**No:** DAR-RI07-04

**Via:**  Hand Delivery  Fax  Overnight Delivery  PDF E-Mail

**ACTIVITIES COMPLETED DURING April 19, 2007**

Activity Category ex: Soil Boring

- ◆ Completed the sampling borings at RISBON-88b, 87b, and 86b.
- ◆ Drilled the lithologic boring at location RISBON-89 to a total depth of 24 feet below ground surface, backfilled and abandoned boring location.
- ◆ Collected soil samples at location RISBON-89.

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Drill and continuous sampled RISBON-89 Sampled at all four locations, RISBON-86b, 87b, 88b, and 89	Drilled 24 feet of core 12 primary and 1 duplicate samples collected

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ Task is complete except surveying to be done at a later date.

Attachments:

1. None

**CC:** Tony Colera – URS Site Manager  
Corey Bertelsen – Casmalia Project Manager

**DAILY ACTIVITY REPORT**  
**Friday October 12, 2007**

**To: CH2MHill / EPA Oversight Representative**

**From: Kevin Coffman**  
**Geosyntec Consultants**

**Date: Friday October 12, 2007**

**No:**

Via:  Hand Delivery       Fax       Overnight Delivery       E-Mail

**ACTIVITIES COMPLETED ON OCTOBER 12, 2007**

Activity Category ex: Soil Gas Sampling

- ◆ *Participated in daily site health and safety meeting with Tony Colera (URS).*
- ◆ *Begin soil gas sampling activities at RISVCL-03D location.*
- ◆ *Perform sampling activities at RISVCL-08D location.*
- ◆ *Cease sampling activities due to rainy conditions.*
- ◆ *Soil Vapor samples sent via fed-ex to Air Toxics and Alpha Woods Hole laboratories.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
RISVCL-03D sampled	2 x 6L Summas
RISVCL-08D sampled	2 x 6L Summas

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Activities completed until further notice.*

Attachment:

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**  
**Friday October 12, 2007**

**To: CH2MHill / EPA Oversight Representative**

**From: Kevin Coffman**  
**Geosyntec Consultants**

**Date: Tuesday November 6, 2007**

**No: SGS-RI07-02**

Via:  Hand Delivery  Fax  Overnight Delivery  X - E-Mail

**ACTIVITIES COMPLETED ON November 6, 2007**

Activity Category ex: Soil Gas Sampling

- ◆ RSI Drilling and Geosyntec attend health and safety meeting with Tony Colera (URS).
- ◆ Perform soil gas sampling activities at RISVCL-08D location.
- ◆ Perform soil gas sampling activities at RISVCL-05D location.
- ◆ Soil Vapor samples sent via fed-ex to Air Toxics and Alpha Woods Hole laboratories.
- ◆ Sample taken in trash bag with isobutane leak compound present.  
Performed on 11-8-07 due to fed-ex delivery delay of summa canisters.

**Quantities Summary:**

Item	Quantity
RISVCL-08D sampled	2 x 6L Summas
RISVCL-05D sampled	2 x 6L Summas
Sample taken in isobutane laden trash bag	2 x 6L Summas

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Activities completed until further notice.*

Attachment:

CC: C.Bertelsen – CSC Project Manager

**DAILY ACTIVITY REPORT**

**To:** CH2MHill / EPA Oversight Representative

**From:** David Myers  
Casmalia RI Field Manager

**Re:** RI Ecological Risk Assessment Sampling

**Date:** April 27, 2009

**No:** DAR-RI09-01

**Via:**  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**Onsite Contractors:** *ARCADIS, URS Corporation*

**ACTIVITIES COMPLETED DURING April 27, 2009**

*Activity Category:* Site Orientation and Set Up

- ◆ *Completed site orientation and safety briefing.*
- ◆ *Drove to each of the 17 pre-marked sampling locations and scouted areas to be sure they met the criteria of the sampling plan.*
- ◆ *Set up office and obtained supplies.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Visited all proposed sampling locations	12 Primary Onsite 5 Background

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Start setting up mammal traps at ten of the proposed sampling locations.*
- ◆ *Digging and installing pit traps.*

Attachments:

1. None

**CC:** Gary Santolo – CH2MHill/EPA Representative  
Bridgette DeShields – Arcadis Project Manager  
Gib Fates – URS RI Project Manager  
David Myers – URS RI Field Manager  
Corey Bertelsen – Casmalia Project Coordinator

**DAILY ACTIVITY REPORT**

**To: CH2MHill / EPA Oversight Representative**

**From: Tony Colera  
Casmalia Site Manager/Assistant RI Field Manager**

**Re: RI Ecological Risk Assessment Sampling**

**Date: April 28, 2009**

**No: DAR-RI09-02**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**Onsite Contractors:** *ARCADIS, URS Corporation*

**ACTIVITIES COMPLETED DURING April 28, 2009**

Activity Category: Ecological Risk Assessment Sampling

- ◆ RCRA Canyon
  - ◆ *Install mammal traps at all five locations (RISSRC-03, RISSRC-05, RISSRC-06, RISSSA-04, and RISSSA-06).*
  - ◆ *Install invertebrate traps at all five locations.*
  - ◆ *Collect annual grasses at all five locations.*
  
- ◆ Former Ponds and Pads
  - ◆ *Install invertebrate traps at five of seven locations (RISSON-40, RISSRS-13, RISBON-34\*, RISBON-41, and RISBON-66).*
  - ◆ *Collect annual grass sample at four locations (RISBON-34, RISBON-41, RISBON-66, and RISSON-40).*
  - ◆ *Collect Coyote Brush sample at one location (RISSRS-13)*

*\*RISBON-34 was relocated approximately 30 feet southeast of original location due to the proximity of the road potentially hindering a representative sample.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Installed traps at 10 onsite sampling locations.	10 Onsite Traps
Collected plant tissue samples at 10 onsite locations.	10 Onsite Plant Samples

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Review modified sample locations with EPA (RISBON-34 and RISSBK-15).*
- ◆ *Verify plant tissue hierarchy sampling at locations with EPA.*
- ◆ *Install remaining invertebrate traps at Former Ponds and Pads locations (RISBON-09 and RISBON-30)*

## DAILY ACTIVITY REPORT

- ◆ *Install mammal and invertebrate traps at background locations (BK-07, BK-19, BK-11, RISSBK-15 and RISSBK-19).*
- ◆ *Inspect all traps, re-bait and reset traps as necessary.*

Attachments:

1. None

CC: Gary Santolo – CH2MHill/EPA Representative  
Bridgette DeShields – Arcadis Project Manager  
Gib Fates – URS RI Project Manager  
David Myers – URS RI Field Manager  
Corey Bertelsen – Casmalia Project Coordinator

**DAILY ACTIVITY REPORT**

**To: CH2M Hill / EPA Oversight Representative**

**From: Tony Colera  
Casmalia Site Manager/Assistant RI Field Manager**

**Re: RI Ecological Risk Assessment Sampling**

**Date: April 29, 2009**

**No: DAR-RI09-03**

**Via:**  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**Onsite Contractors:** *ARCADIS, URS Corporation*

**ACTIVITIES COMPLETED DURING April 29, 2009**

Activity Category: Ecological Risk Assessment Sampling

- ◆ RCRA Canyon
  - ◆ Inspect and reset small mammal traps at all five locations (RISSRC-03, RISSRC-05, RISSRC-06, RISSSA-04, and RISSSA-06)
  - ◆ Collected one *Peromyscus* (Deer Mouse) and one *Reithrodontomys* (Western Harvest Mouse) @ RISSRC-03/RC-04.
  - ◆ Collected one *Peromyscus* (Deer Mouse) @ RISSSA-04/RC-05.
  - ◆ Inspect invertebrate traps at all five locations.
  
- ◆ Former Ponds and Pads
  - ◆ Inspect invertebrate traps at five of seven locations (RISSON-40, RISSRS-13, RISBON-34, RISBON-41, and RISBON-66).
  - ◆ Install and set invertebrate traps at remaining two locations (RISBON-09 and RISBON-30).
  
- ◆ Background Locations
  - ◆ Install and set small mammal traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).
  - ◆ Install and set invertebrate traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Sample Collection	2 <i>Peromyscus</i> (Deer Mouse) 1 <i>Reithrodontomys</i> (Western Harvest Mouse)

**DAILY ACTIVITY REPORT**

**To: CH2MHill / EPA Oversight Representative**

**From: Tony Colera  
Casmalia Site Manager/Assistant RI Field Manager**

**Re: RI Ecological Risk Assessment Sampling**

**Date: April 30, 2009**

**No: DAR-RI09-04**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**Onsite Contractors:** *ARCADIS, URS Corporation*

**ACTIVITIES COMPLETED DURING April 30, 2009**

Activity Category: Ecological Risk Assessment Sampling

- ◆ RCRA Canyon
  - ◆ *Inspect and reset small mammal traps at all five locations (RISSRC-03, RISSRC-05, RISSRC-06, RISSSA-04, and RISSSA-06)*
  - ◆ *Collected three Peromyscus (Deer Mouse) @ RISBRC-05/RC-02*
  - ◆ *Collected one Peromyscus (Deer Mouse) @ RISBRC-06/RC-03*
  - ◆ *Collected one Peromyscus (Deer Mouse) @ RISBRC-03/RC-04*
  - ◆ *Collected two Peromyscus (Deer Mouse) @ RISSSA-04/RC-05*
  - ◆ *Inspect invertebrate traps at all five locations.*
  
- ◆ Former Ponds and Pads
  - ◆ *Inspect invertebrate traps at seven locations (RISSON-40, RISSRS-13, RISBON-09, RISBON-30, RISBON-34, RISBON-41, and RISBON-66).*
  
- ◆ Background Locations
  - ◆ *Inspect small mammal traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).*
  - ◆ *Inspect invertebrate traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Sample Collection	7 Peromyscus (Deer Mouse)

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Inspect all traps, re-bait and reset traps as necessary.*
- ◆ *Identify five aquatic invertebrate/sediment sample locations in A-Series Pond, collect tissue samples as time/weather permits.*

## DAILY ACTIVITY REPORT

### ACTIVITIES PLANNED FOR TOMORROW

- ◆ *Inspect all traps, re-bait and reset traps as necessary.*
- ◆ *Identify five aquatic invertebrate/sediment sample locations in A-Series Pond.*

Attachments:

1. None

CC: Gary Santolo – CH2MHill/EPA Representative  
Bridgette DeShields – Arcadis Project Manager  
Gib Fates – URS RI Project Manager  
David Myers – URS RI Field Manager  
Corey Bertelsen – Casmalia Project Coordinator

## DAILY ACTIVITY REPORT

Attachments:

1. None

CC: Gary Santolo – CH2MHill/EPA Representative  
Bridgette DeShields – Arcadis Project Manager  
Gib Fates – URS RI Project Manager  
David Myers – URS RI Field Manager  
Corey Bertelsen – Casmalia Project Coordinator

**DAILY ACTIVITY REPORT**

**To: CH2MHill / EPA Oversight Representative**

**From: Tony Colera  
Casmalia Site Manager/Assistant RI Field Manager**

**Re: RI Ecological Risk Assessment Sampling**

**Date: May 1, 2009**

**No: DAR-RI09-05**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**Onsite Contractors:** *ARCADIS, URS Corporation*

**ACTIVITIES COMPLETED DURING May 1, 2009**

Activity Category: Ecological Risk Assessment Sampling

- ◆ RCRA Canyon
  - ◆ *Inspect and reset small mammal traps at all five locations (RISSRC-03, RISSRC-05, RISSRC-06, RISSSA-04, and RISSSA-06)*
  - ◆ *Collected three Peromyscus (Deer Mouse) @ RISBRC-05/RC-02*
  - ◆ *Collected four Peromyscus (Deer Mouse) @ RISBRC-03/RC-04*
  - ◆ *Collected two Peromyscus (Deer Mouse) @ RISSSA-04/RC-05*
  - ◆ *Inspect invertebrate traps at all five locations.*
  
- ◆ Former Ponds and Pads
  - ◆ *Inspect invertebrate traps at seven locations (RISSON-40, RISSRS-13, RISBON-09, RISBON-30, RISBON-34, RISBON-41, and RISBON-66).*
  
- ◆ Background Locations
  - ◆ *Inspect small mammal traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).*
  - ◆ *Inspect invertebrate traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).*
  
- ◆ A-Series Pond
  - ◆ *Collected one aquatic invertebrate sample @ AS-01*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Sample Collection	9 <i>Peromyscus (Deer Mouse)</i> 1 <i>aquatic invertebrate sample</i>

## DAILY ACTIVITY REPORT

### ACTIVITIES PLANNED FOR TOMORROW

- ◆ *Inspect all small mammal and invertebrate traps, re-bait and reset traps as necessary.*
- ◆ *Collect annual grass and perennial shrub samples*

#### Attachments:

1. None

CC: Gary Santolo – CH2MHill/EPA Representative  
Bridgette DeShields – Arcadis Project Manager  
Gib Fates – URS RI Project Manager  
David Myers – URS RI Field Manager  
Corey Bertelsen – Casmalia Project Coordinator

**DAILY ACTIVITY REPORT**

**To: CH2MHill / EPA Oversight Representative**

**From: Tony Colera  
Casmalia Site Manager/Assistant RI Field Manager**

**Re: RI Ecological Risk Assessment Sampling**

**Date: May 2, 2009**

**No: DAR-RI09-06**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**Onsite Contractors:** ARCADIS, URS Corporation

**ACTIVITIES COMPLETED DURING May 2, 2009**

Activity Category: Ecological Risk Assessment Sampling

- ◆ RCRA Canyon
  - ◆ Inspect and reset (as needed) small mammal traps at all five locations (RISSRC-03, RISSRC-05, RISSRC-06, RISSSA-04, and RISSSA-06)
  - ◆ Collected two *Peromyscus* (Deer Mouse) @ RISBRC-05/RC-02
  - ◆ Collected two *Peromyscus* (Deer Mouse) @ RISBRC-06/RC-03
  - ◆ Collected one *Peromyscus* (Deer Mouse) @ RISSSA-04/RC-05
  - ◆ Collected shrub samples at all five locations (grass samples were previously collected from these locations on 4/28)
  - ◆ Inspect invertebrate traps at all five locations.
  
- ◆ Former Ponds and Pads
  - ◆ Inspect invertebrate traps at all seven locations (RISSON-40, RISSRS-13, RISBON-09, RISBON-30, RISBON-34, RISBON-41, and RISBON-66).
  - ◆ Collected grass and shrub samples at RISBON-09/FPP-01 and RISBON-30/FPP-02; collected shrub (only) samples from RISBON-66/FPP-03, RISBON-41/FPP-04, RISSON-40/FPP-06, and RISBON-34/FPP-07 (grass samples were collected from these locations on 4/28). Annual grass was not present at RISSRS-13/FPP-05 - no grass sample was collected (A shrub sample was collected at this location on 4/28).
  
- ◆ Background Locations
  - ◆ Inspect small mammal traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).
  - ◆ Inspect invertebrate traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).
  - ◆ Collected grass samples at all five locations.

## DAILY ACTIVITY REPORT

### Quantities Summary:

<b>Item</b>	<b>Quantity</b>
Sample Collection	5 <i>Peromyscus (Deer Mouse)</i> 11 <i>shrub samples</i> 11 <i>grass samples</i>

### ACTIVITIES PLANNED FOR TOMORROW

- ◆ *Inspect all small mammal traps, re-bait and reset traps as necessary.*

#### Attachments:

1. None

CC: Gary Santolo – CH2MHill/EPA Representative  
Bridgette DeShields – Arcadis Project Manager  
Gib Fates – URS RI Project Manager  
David Myers – URS RI Field Manager  
Corey Bertelsen – Casmalia Project Coordinator

**DAILY ACTIVITY REPORT**

**To: CH2MHill / EPA Oversight Representative**

**From: Tony Colera  
Casmalia Site Manager/Assistant RI Field Manager**

**Re: RI Ecological Risk Assessment Sampling**

**Date: May 3, 2009**

**No: DAR-RI09-07**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**Onsite Contractors:** *ARCADIS, URS Corporation*

**ACTIVITIES COMPLETED DURING May 3, 2009**

Activity Category: Ecological Risk Assessment Sampling

- ◆ RCRA Canyon
  - ◆ *Inspect and reset (as needed) small mammal traps at all five locations (RISSRC-03, RISSRC-05, RISSRC-06, RISSSA-04, and RISSSA-06)*
  - ◆ *Collected one Chaetodipus (Pocket Mouse) @ RISBRC-05/RC-02*
  - ◆ *Collected one Chaetodipus (Pocket Mouse) and one Peromyscus (Deer Mouse) @ RISSRC-06/RC-04*
  - ◆ *Inspect invertebrate traps at all five locations.*
- ◆ Former Ponds and Pads
  - ◆ *Inspect invertebrate traps at all seven locations (RISSON-40, RISSRS-13, RISBON-09, RISBON-30, RISBON-34, RISBON-41, and RISBON-66).*
- ◆ Background Locations
  - ◆ *Inspect small mammal traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).*
  - ◆ *Inspect invertebrate traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Sample Collection	1 Peromyscus (Deer Mouse) 2 Chaetodipus (Pocket Mouse)

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Inspect all small mammal traps, re-bait and reset traps as necessary.*
- ◆ *Collect aquatic invertebrate samples in A-series Pond.*

## DAILY ACTIVITY REPORT

Attachments:

1. None

CC: Gary Santolo – CH2MHill/EPA Representative  
Bridgette DeShields – Arcadis Project Manager  
Gib Fates – URS RI Project Manager  
David Myers – URS RI Field Manager  
Corey Bertelsen – Casmalia Project Coordinator

**DAILY ACTIVITY REPORT**

**To: CH2MHill / EPA Oversight Representative**

**From: Tony Colera  
Casmalia Site Manager/Assistant RI Field Manager**

**Re: RI Ecological Risk Assessment Sampling**

**Date: May 4, 2009**

**No: DAR-RI09-08**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**Onsite Contractors:** *ARCADIS, URS Corporation*

**ACTIVITIES COMPLETED DURING May 4, 2009**

Activity Category: Ecological Risk Assessment Sampling

- ◆ RCRA Canyon
  - ◆ *Inspect and reset (as needed) small mammal traps at all five locations (RISSRC-03, RISSRC-05, RISSRC-06, RISSSA-04, and RISSSA-06)*
  - ◆ *Collected one Peromyscus (Deer Mouse) @ RISBRC-05/RC-02*
  - ◆ *Collected one Peromyscus (Deer Mouse) @ RISBRC-06/RC-03*
  - ◆ *Collected two Chaetodipus (Pocket Mouse) @ RISSRC-03/RC-04*
  - ◆ *Inspect invertebrate traps at all five locations.*
  - ◆ *Collected soil samples at RISSSA-06/RC-01, RISBRC-05/RC-02 and RISSSA-04/RC-05*
- ◆ Former Ponds and Pads
  - ◆ *Inspect invertebrate traps at all seven locations (RISSON-40, RISSRS-13, RISBON-09, RISBON-30, RISBON-34, RISBON-41, and RISBON-66).*
- ◆ Background Locations
  - ◆ *Inspect small mammal traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).*
  - ◆ *Collected one Reithrodontomys (Western Harvest Mouse) at BK-07/BK-05*
  - ◆ *Inspect invertebrate traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).*
  - ◆ *Collected soil samples at BK-01, 02, 03, 04 and 05*
- ◆ A-Series Pond
  - ◆ *Collected two aquatic invertebrate sample @ AS-02 and AS-03*

## DAILY ACTIVITY REPORT

### Quantities Summary:

Item	Quantity
Sample Collection	2 <i>Peromyscus</i> (Deer Mouse) 2 <i>Chaetodipus</i> (Pocket Mouse) 1 <i>Reithrodontomy</i> (W. Harvest Mouse) 2 Aquatic invertebrate samples 8 Soil samples

### ACTIVITIES PLANNED FOR TOMORROW

- ◆ *Inspect all small mammal traps, re-bait and reset traps as necessary.*
- ◆ *Collect aquatic invertebrate samples in A-Series Pond*
- ◆ *Collect soil samples in RCRA Canyon, Former Ponds and Pads*
- ◆ *Collect Rinsate Sample from soil collection equipment*

#### Attachments:

1. None

CC: Gary Santolo – CH2MHill/EPA Representative  
Bridgette DeShields – Arcadis Project Manager  
Gib Fates – URS RI Project Manager  
David Myers – URS RI Field Manager  
Corey Bertelsen – Casmalia Project Coordinator

**DAILY ACTIVITY REPORT**

**To: CH2MHill / EPA Oversight Representative**

**From: Tony Colera  
Casmalia Site Manager/Assistant RI Field Manager**

**Re: RI Ecological Risk Assessment Sampling**

**Date: May 5, 2009**

**No: DAR-RI09-09**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**Onsite Contractors:** ARCADIS, URS Corporation

**ACTIVITIES COMPLETED DURING May 5, 2009**

Activity Category: Ecological Risk Assessment Sampling

- ◆ RCRA Canyon
  - ◆ Inspect and reset (as needed) small mammal traps at all five locations (RISSRC-03, RISSRC-05, RISSRC-06, RISSSA-04, and RISSSA-06)
  - ◆ Collected one *Peromyscus* (Deer Mouse) @ RISBRC-05/RC-02
  - ◆ Collected one *Chaetodipus* (Pocket Mouse) @ RISSSA-04/RC-05
  - ◆ Relocated small mammal traps at RISSSA-06/RC-02 approximately 150 feet northwest of original location to more suitable collection area.
  - ◆ Inspect invertebrate traps at all five locations
  - ◆ Collected soil samples at RISBRC-06/RC-03 and RISSRC-03/RC-04
- ◆ Former Ponds and Pads
  - ◆ Inspect invertebrate traps at all seven locations (RISSON-40, RISSRS-13, RISBON-09, RISBON-30, RISBON-34, RISBON-41, and RISBON-66).
  - ◆ Collected soil samples at RISBON-09/FPP-01 and RISBON-30/FPP-02
- ◆ Background Locations
  - ◆ Inspect small mammal traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).
  - ◆ Inspect invertebrate traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).
- ◆ A-Series Pond
  - ◆ Collected two aquatic invertebrate sample @ AS-04 and AS-05
- ◆ Additional Sampling Activities
  - ◆ Collected one rinsate sample from soil sampling equipment

## DAILY ACTIVITY REPORT

### Quantities Summary:

Item	Quantity
Sample Collection	1 <i>Peromyscus</i> (Deer Mouse) 1 <i>Chaetodipus</i> (Pocket Mouse) 2 Aquatic invertebrate Samples 4 Soil samples 1 Equipment rinsate sample

### ACTIVITIES PLANNED FOR TOMORROW

- ◆ *Inspect all small mammal traps, re-bait and reset traps as necessary.*
- ◆ *Hand search for invertebrates*
- ◆ *Collect soil-sediment samples in A-Series Pond*

#### Attachments:

1. None

CC: Gary Santolo – CH2MHill/EPA Representative  
Bridgette DeShields – Arcadis Project Manager  
Gib Fates – URS RI Project Manager  
David Myers – URS RI Field Manager  
Corey Bertelsen – Casmalia Project Coordinator

**DAILY ACTIVITY REPORT**

**To: CH2MHill / EPA Oversight Representative**

**From: Tony Colera  
Casmalia Site Manager/Assistant RI Field Manager**

**Re: RI Ecological Risk Assessment Sampling**

**Date: May 6, 2009**

**No: DAR-RI09-10**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**Onsite Contractors:** *ARCADIS, URS Corporation*

**ACTIVITIES COMPLETED DURING May 6, 2009**

Activity Category: Ecological Risk Assessment Sampling

- ◆ RCRA Canyon
  - ◆ *Inspect and reset (as needed) small mammal traps at all five locations (RISSRC-03, RISSRC-05, RISSRC-06, RISSSA-04, and RISSSA-06)*
  - ◆ *Collected one Peromyscus (Deer Mouse) @ RISSSA-04/RC-05*
  - ◆ *Inspect invertebrate traps at all five locations*
  
- ◆ Former Ponds and Pads
  - ◆ *Inspect invertebrate traps at all seven locations (RISSON-40, RISSRS-13, RISBON-09, RISBON-30, RISBON-34, RISBON-41, and RISBON-66).*
  
- ◆ Background Locations
  - ◆ *Inspect small mammal traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).*
  - ◆ *Inspect invertebrate traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).*
  - ◆ *Hand searched for soil invertebrates at BK-07/BK-05*
  
- ◆ A-Series Pond
  - ◆ *Collected soil-sediment samples from AS-01, AS-02, AS-03, AS-04 and AS-05*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Sample Collection	1 Peromyscus (Deer Mouse) 5 Soil-sediment samples

## DAILY ACTIVITY REPORT

### ACTIVITIES PLANNED FOR TOMORROW

- ◆ *Inspect all small mammal traps, re-bait and reset traps as necessary.*
- ◆ *Hand search for invertebrates*
- ◆ *Collect soil additional aquatic invertebrate mass for replicate sample in A-Series Pond*

Attachments:

1. None

CC: Gary Santolo – CH2MHill/EPA Representative  
Bridgette DeShields – Arcadis Project Manager  
Gib Fates – URS RI Project Manager  
David Myers – URS RI Field Manager  
Corey Bertelsen – Casmalia Project Coordinator

## DAILY ACTIVITY REPORT

**To: CH2MHill / EPA Oversight Representative**

**From: Tony Colera  
Casmalia Site Manager/Assistant RI Field Manager**

**Re: RI Ecological Risk Assessment Sampling**

**Date: May 7, 2009**

**No: DAR-RI09-11**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**Onsite Contractors:** ARCADIS, URS Corporation

### ACTIVITIES COMPLETED DURING May 7, 2009

Activity Category: Ecological Risk Assessment Sampling

- ◆ RCRA Canyon
  - ◆ Inspect and reset (as needed) small mammal traps at all five locations (RISSRC-03, RISSRC-05, RISSRC-06, RISSSA-04, and RISSSA-06)
  - ◆ Collected one *Peromyscus* (Deer Mouse) @ RISBRC-05/RC-02
  - ◆ Collected one *Chaetodipus* (Pocket Mouse) and one *Reithrodontomys* (Western Harvest Mouse) @ RISBRC-06/RC-03
  - ◆ Inspect invertebrate traps at all five locations
  - ◆ Collected Soil composite sample at RC-01SO-C2
  
- ◆ Former Ponds and Pads
  - ◆ Inspect invertebrate traps at all seven locations (RISSON-40, RISSRS-13, RISBON-09, RISBON-30, RISBON-34, RISBON-41, and RISBON-66).
  - ◆ Collected soli samples at RISBON-66/FPP-03, RISBON-41/FPP-04, RISSRS-13/FPP-05, RISSON-40/FPP-06
  
- ◆ Background Locations
  - ◆ Inspect small mammal traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).
  - ◆ Inspect invertebrate traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).
  - ◆ Hand searched for soil invertebrates at BK-07/BK-05
  
- ◆ A-Series Pond
  - ◆ Collected replicate aquatic invertebrate sample from AS-01
  
- ◆ Additional Activities
  - ◆ Shipped all plant samples to laboratory (Pace Environmental, Green Bay, WI).

## DAILY ACTIVITY REPORT

### Quantities Summary:

<b>Item</b>	<b>Quantity</b>
Sample Collection	1 <i>Peromyscus</i> (Deer Mouse) 1 <i>Chaetodipus</i> (Pocket Mouse) 1 <i>Reithrodontomys</i> (Western Harvest Mouse) 1 aquatic invertebrate sample 5 Soil samples

### ACTIVITIES PLANNED FOR TOMORROW

- ◆ *Inspect all small mammal traps, re-bait and reset traps as necessary.*
- ◆ *Hand search for invertebrates*
- ◆ *Decommission, remove and decontaminate mammal and invertebrate traps where sufficient sample mass was collected*
- ◆ *Perform final survey of all sample locations*

#### Attachments:

1. None

CC: Gary Santolo – CH2MHill/EPA Representative  
Bridgette DeShields – Arcadis Project Manager  
Gib Fates – URS RI Project Manager  
David Myers – URS RI Field Manager  
Corey Bertelsen – Casmalia Project Coordinator

**DAILY ACTIVITY REPORT**

**To: CH2MHill / EPA Oversight Representative**

**From: Tony Colera  
Casmalia Site Manager/Assistant RI Field Manager**

**Re: RI Ecological Risk Assessment Sampling**

**Date: May 8, 2009**

**No: DAR-RI09-12**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**Onsite Contractors:** *ARCADIS, URS Corporation*

**ACTIVITIES COMPLETED DURING May 8, 2009**

Activity Category: Ecological Risk Assessment Sampling

- ◆ RCRA Canyon
  - ◆ *Inspect and reset (as needed) small mammal traps at all five locations (RISSRC-03, RISSRC-05, RISSRC-06, RISSSA-04, and RISSSA-06)*
  - ◆ *Inspect and remove invertebrate traps at all five locations*
  - ◆ *Collected Soil composite sample at RC-01SO-C2*
  
- ◆ Former Ponds and Pads
  - ◆ *Inspect invertebrate traps at all seven locations (RISSON-40, RISSRS-13, RISBON-09, RISBON-30, RISBON-34, RISBON-41, and RISBON-66).*
  
- ◆ Background Locations
  - ◆ *Inspect and removed small mammal traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).*
  - ◆ *Inspect invertebrate traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).*
  
- ◆ Additional Activities
  - ◆ *Performed final GPS survey of all sample locations*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Sample Collection	Soil composite sample at RC-01SO-C2

**ACTIVITIES PLANNED FOR TOMORROW**

- ◆ *Inspect and remove all small mammal traps*
- ◆ *Decommission, remove and decontaminate all traps*
- ◆ *Depart site*

## DAILY ACTIVITY REPORT

Attachments:

1. None

CC: Gary Santolo – CH2MHill/EPA Representative  
Bridgette DeShields – Arcadis Project Manager  
Gib Fates – URS RI Project Manager  
David Myers – URS RI Field Manager  
Corey Bertelsen – Casmalia Project Coordinator

**DAILY ACTIVITY REPORT**

**To: CH2MHill / EPA Oversight Representative**

**From: Tony Colera  
Casmalia Site Manager/Assistant RI Field Manager**

**Re: RI Ecological Risk Assessment Sampling**

**Date: May 9, 2009**

**No: DAR-RI09-13**

Via:  Hand Delivery       Fax       Overnight Delivery       PDF E-Mail

**Onsite Contractors:** *ARCADIS, URS Corporation*

**ACTIVITIES COMPLETED DURING May 9, 2009**

Activity Category: Ecological Risk Assessment Sampling

- ◆ RCRA Canyon
  - ◆ *Inspect, decommission, remove and decontaminate small mammal traps at all five locations (RISSRC-03, RISSRC-05, RISSRC-06, RISSSA-04, and RISSSA-06)*
  - ◆ *Collected one Chaetodipus (Pocket Mouse) @ RISSRC-06/RC-04*
- ◆ Former Ponds and Pads
  - ◆ *Inspect, decommission, remove and decontaminate small mammal traps at all seven locations (RISSON-40, RISSRS-13, RISBON-09, RISBON-30, RISBON-34, RISBON-41, and RISBON-66).*
- ◆ Background Locations
  - ◆ *Inspect and removed small mammal traps at all five locations (BK-07, BK-11, BK-19, RISSBK-15, RISSBK-19).*
  - ◆ *Inspect, decommission, remove and decontaminate invertebrate traps at remaining three locations (BK-02 (BK-19), BK-04 (BK-11), BK-05 (BK-07)).*
- ◆ Additional Activities
  - ◆ *[Monday, May, 11, 2009] Processed samples for shipment to the laboratory (Pace Environmental, Green Bay, WI).*
  - ◆ *Additional samples not submitted in composite samples are archived in onsite freezer with custody seal.*

**Quantities Summary:**

<b>Item</b>	<b>Quantity</b>
Sample Processing	· RCRA Canyon  Five small mammal samples - RC-02SM – Deer mice - RC-03SM – Pocket mice

## DAILY ACTIVITY REPORT

Item	Quantity
Sample Processing	<ul style="list-style-type: none"><li>- RC-04SM1 – Deer mice/harvest mice mixture</li><li>- RC-04SM2 – Pocket mice</li><li>- RC-05SM – Deer mice</li><li>- Note: two small mammal samples were collected at RC-04 so that uptake between species could be compared. Deer mice and harvest mice are similar in feeding habits so these species were combined. Pocket mice were analyzed separately.</li></ul>
	<p>Five soil invertebrate samples</p> <ul style="list-style-type: none"><li>- RC-01SI – Beetles</li><li>- RC-02SI - Beetles</li><li>- RC-03SI - Beetles</li><li>- RC-04SI - Beetles</li><li>- RC-05SI – Beetles</li></ul>
	<ul style="list-style-type: none"><li>· Former Ponds and Pads</li></ul>
	<p>Seven soil invertebrate Samples</p> <ul style="list-style-type: none"><li>- FPP-01SI – Mixed</li><li>- FPP-02SI – Mixed</li><li>- FPP-03SI – Mixed</li><li>- FPP-04SI – Mixed</li><li>- FPP-05SI – Mixed</li><li>- FPP-06SI – Mixed</li><li>- FPP-07SI – Mixed</li></ul> <p>* mixed samples consisted of some, or all, beetles, spiders, earwigs, early instar crickets, pillbugs, millipedes, and/or caterpillars. Specific matrix is noted on chain of custody.</p>
	<ul style="list-style-type: none"><li>· A-Series Pond</li></ul>
	<p>Six aquatic invertebrate samples</p> <ul style="list-style-type: none"><li>- AS-01AI – Damselfly larvae</li><li>- AS-01AIREP– Damselfly larvae (replicate sample)</li><li>- AS-02AI– Damselfly larvae</li><li>- AS-03AI– Damselfly larvae</li><li>- AS-04AI– Damselfly larvae</li><li>- AS-05AI– Damselfly larvae</li></ul>
	<ul style="list-style-type: none"><li>· Background</li></ul>
	<p>Five soil invertebrate samples</p> <ul style="list-style-type: none"><li>- BK-01SI – Beetle</li><li>- BK-02SI – Mixed</li><li>- BK-03SI – Beetle</li><li>- BK-04SI – Mixed</li><li>- BK-05SI – Mixed</li></ul> <p>* mixed samples consisted of some, or all, beetles, spiders, earwigs, early instar crickets, pillbugs, millipedes, Jerusalem crickets, scorpions and/or caterpillars. Specific matrix is noted on chain of custody.</p>
	<ul style="list-style-type: none"><li>· QC Samples</li></ul>
	<p>ER-01-050609 – Equipment blank</p>

## DAILY ACTIVITY REPORT

### ACTIVITIES PLANNED FOR TOMORROW

- ◆ *No further field activities scheduled.*

Attachments:

1. None

CC: Gary Santolo – CH2MHill/EPA Representative  
Bridgette DeShields – Arcadis Project Manager  
Gib Fates – URS RI Project Manager  
David Myers – URS RI Field Manager  
Corey Bertelsen – Casmalia Project Coordinator