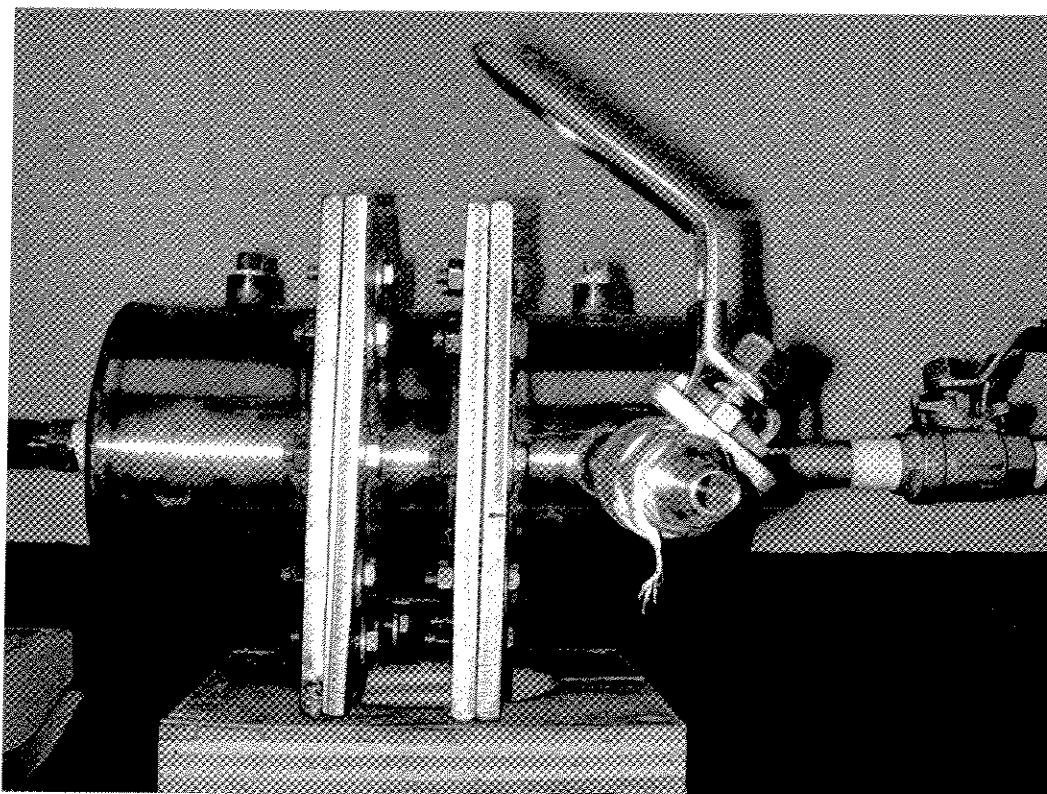
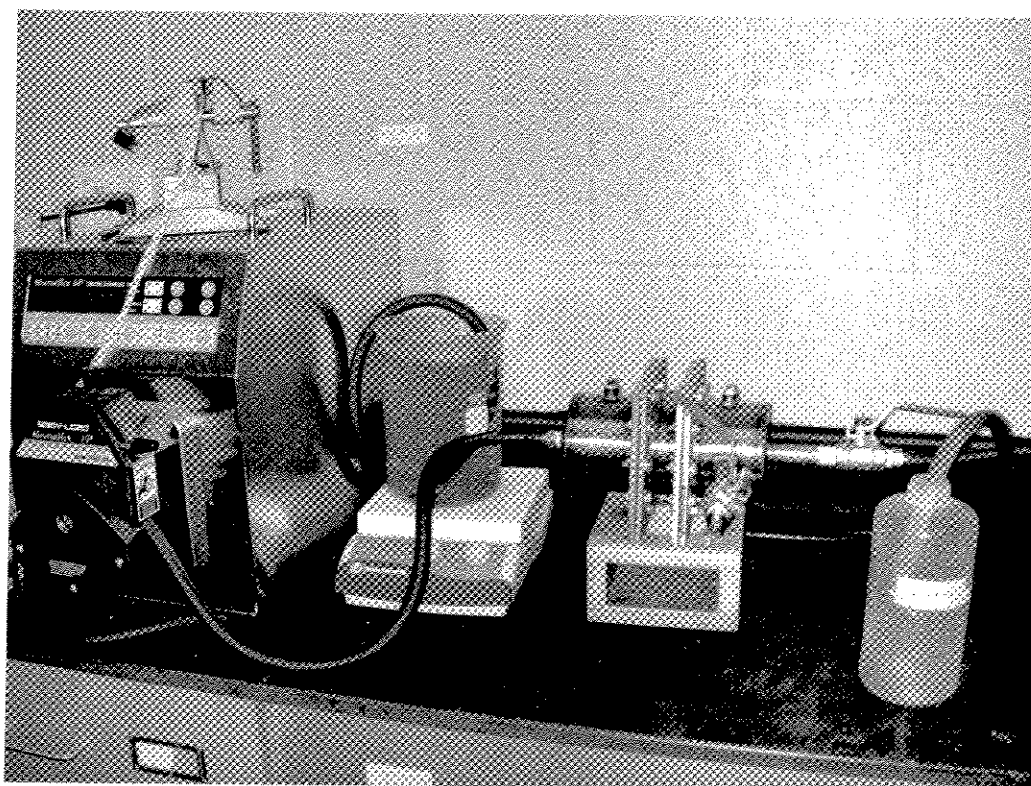




Photograph VI-17: The New Stainless Steel Column.



Photograph VI-18: The Column Apparatus with the New Stainless Steel Column.





VII. APPENDIX

This appendix contains the following items:

- summary sheets for the four excavated quadrants at the S1/S4 beach area for the removal of CEPA soils
- summary sheets for all the excavated quadrants at the S1/S4 beach area for the removal of Tier I and Tier II soils
- summary sheets for all the excavated quadrants at the S1/S4 valley and buildings area for the removal of Tier I and Tier II soils
- the four progress reports produced during the summer field season



QUADRANT NUMBER 7FPAGE 1 of 1

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

RI 2005 Field Season CEPA

7F

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
June 30	S	bwer edge	CEPA	30cm	Excavation of CEPA soils

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

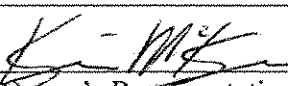
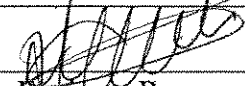
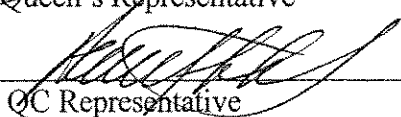
ANALYSIS LOG:

Date	Sample [△]	Type [◇]	Results (ppm)	Comments
June 28	RI05-001	S	7.8	Sample to delineate CEPA area, - Tier II
June 30	RI05-062	S	1.5	} All CEPA removed - Tier I
June 30	RI05-062	S	2.9	

△ Prefix RI05-

◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING CEPA PCBs IS REMOVED FROM QUADRANT

 Queen's Representative	<u>3rd July 05</u> Date	 Engineer Representative	<u>03/07/2005</u> Date
 QC Representative	<u>July 4/05</u> Date		

QUADRANT NUMBER 8EPAGE 1 of 1

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

RI 2005 Field Season CEPA

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
29 June	H	CEPA Area	CEPA	N30-50 ^{N44}	Grapple work removal
29 June	H	CEPA Area	CEPA	N30-50	Very steep, slumping hard to keep constant depth, ending on deeper side of 30 cm.

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

ANALYSIS LOG:

Date	Sample [△]	Type [◇]	Results (ppm)	Comments
29 June	012	S	4.3	
29 June	013	S	0.9	
29 June	019	S	2.0	
29 June	020	S	7.0	
29 June	021	S	10.3	Duplicate of 020
30 June	059	S	13.5	
30 June	062	S	1.5	
30 June	064	S	5.2	

△ Prefix RI05-

◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING CEPA PCBs IS REMOVED FROM QUADRANT

[Signature] 3rd July 05
Queen's Representative Date

[Signature] 03/07/2005
Engineer Representative Date

[Signature] July 4/05
QC Representative Date

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

RI 2005 Field Season CEPA

EXCAVATION LOG

	Date	Type*	Location	Material #	Depth	Comments
	30 June	H	Tier II area	Tier II	~50cm	Difficult access
	30 June	H	CEPA area	CEPA	~50cm ⁺	Tier II cepa mixing
						Tier II taken with
						CEPA.

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

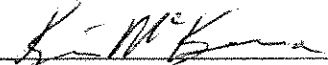
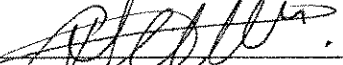
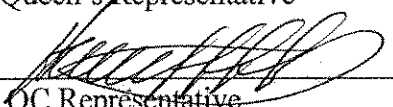
ANALYSIS LOG:

	Date	Sample [△]	Type [◇]	Results (ppm)	Comments
	30 June	RI05-053	S	1.7	- Avg. of duplicates
		-056	S	2.2	
		-057	S	7.4	
		-058	S	16.4	
		-059	S	13.5	
		-061	S	6.1	
		-062	S	1.5	
		-064	S	5.2	
		-065	S	2.9	

△ Prefix RI05-

◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING CEPA PCBs IS REMOVED FROM QUADRANT

	<u>30 July 01</u>		<u>03/07/2005</u>
Queen's Representative	Date	Engineer Representative	Date
	<u>July 4/05</u>		
QC Representative	Date		

3B

Date	Type*	Location	Material #	Depth	Comments
July 6	—	—	—	—	No further excavation. ASU/CC/engineer determined it is not safe to excavate or fill with clean soil

* H Heavy Equipment, M Manual, V Vacuum

* H Heavy Equipment, M Manual, V Vacuum

#>2000 ppm, CEPA, Tier II, Tier I.

[illegible]

△ Prefix RI05-

◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING TIER II PCBs IS REMOVED FROM QUADRANT

Queen's Representative

10/07/05
Date

Engineer Representative

10/07/05
Date

QC Representative

Date
Sept. 3/08
Date

3C

Date	Type*	Location	Material #	Depth	Comments
July 6	-	-	-	-	ASU/OLC/eng. decided it is not practical to further excavate or cover with clean fill

* H Heavy Equipment, M Manual, V Vacuum
>2000 mm CERAMIC TILE

>2000 ppm, CEPA, Tier II, Tier I.

[illegible]

◇ S Soil, W Wood, M Metal, O Other

10/07/05
Date

Sept 23/25
Date

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

RI 2005 Field Season Tier II

4B

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
July 6	—	—	—	—	ASU/QC/Eng. agree it is unsafe to further excavate or cover with clean

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

ANALYSIS LOG:

Date	Sample [△]	Type [◇]	Results (ppm)	Comments
July 6	—	—	—	Analysis complete, Tier II remains

△ Prefix RI05-

◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING TIER II PCBs IS REMOVED FROM QUADRANT

Queen's Representative

10/07/05
Date

Engineer Representative

10/07/05
Date

QC Representative

Sept 03/05
Date

RI 2005 Field Season Tier II/I **4D**

Date	Type*	Location	Material #	Depth	Comments
July 6	—	—	—	—	ASU, QC, eng. determine it is not safe to excavate deeper or cover with clean fill.

* H Heavy Equipment M Manual V Vacuum # 2000

>2000 ppm, CEPA, Tier II, Tier I.

[illegible]

◇ S Soil, W Wood, M Metal, O Other

Queen's Representative: [Signature] Date: 10/07/05
 QC Representative: [Signature] Date: Sept 03/05
 Engineer Representative: [Signature] Date: 10/07/05

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

RI 2005 Field Season Tier II

4E

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
July 6	-	-	-	-	It was determined by ASU/QC/resident engineer that it is not practical to excavate more or cover over.

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

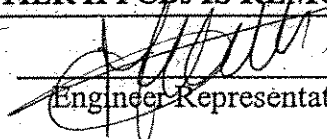
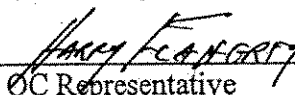
ANALYSIS LOG:

Date	Sample [△]	Type [◇]	Results (ppm)	Comments
July 6	-	-	-	Analysis complete. Tier II remains

△ Prefix RI05-

◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING TIER II PCBs IS REMOVED FROM QUADRANT

	10/07/05		10/07/05
Queen's Representative	Date	Engineer Representative	Date
	Sept 03/05		
QC Representative	Date		

QUADRANT NUMBER 5C

PAGE 1 of 2

RI 2004/2005 Field Season Tier I/Tier II

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
July 11/05	H	Tier II pile	Tier II	30 cm	scraped down to remove pile
July 12/05	H	Tier II pile	Tier II	30-50cm	
July 13/05	H	Tier II pile	Tier II	30-50cm	
July 26/05	H		Tier I	30-50cm	

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

ANALYSIS LOG:

Date	Sample	Results (ppm)	Comments
11 July 05	R105 -100	2.7	Tier I
11 July 05	-1000	3.1	
11 July 05	-139	14	Tier I
11 July 05	-140	16	Tier I
12 July 05	-177	4.8	Tier II
12 July 05	-178	8.7	Tier I
12 July 05	-179	20	Tier II
13 July 05	-189	2.6	Tier II
13 July 05	-190	3.1	Tier I
13 July 05	-1900	3.0	Tier I
13 July 05	-191	4.7	Tier I
26 July 05	-297	<1.0	Tier I
			-all tier I removed.
			-found potters clay.
			-small area left alone; considered too dangerous for further excavation

CERTIFICATION THAT QUADRANT IS COMPLETE AND ALL SOILS CONTAINING TIER I/II PCBs ARE REMOVED IF POSSIBLE

Queen's Representative

26 August 05
Date

Engineer Representative

31/08/2005
Date

QC Representative

Sept 03/05
Date

RI 2004/2005 Field Season Tier I/Tier II

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
1 July 05	H	East side	Tier II	30-50cm	excavation down slope
3 July 05	H	bottom 2/3	Tier II	30-50cm	excavation down slope
4 July 05	H	bottom 2/3	Tier II	30-50cm	further excavation
5 July 05	H	middle grid	Tier II	50cm	dug deeper to remove Tier II
8 July 05	H	middle grid	Tier II	30-50cm	" " " "
9 July 05	H	middle grid	Tier II	30cm	" " " "
10 July 05	H	right 1/2 grid	Tier II	30cm	

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

ANALYSIS LOG:

Date	Sample	Results (ppm)	Comments
29 June 05	R105 - 011	49	3 confirmatory Tier II
29 June 05	-018	40	
1 July 05	-068	10	Tier II
3 July 05	-091	21	Tier II
4 July 05	-095	7.2	Tier II
4 July 05	-086	2.5	Tier I
4 July 05	-087	20	Tier II
7 July 05	-098	12	Tier II
8 July 05	-099	5.6	Tier II
9 July 05	-125	4.0	Tier I
9 July 05	-126	15	Tier II
10 July 05	-127	2.8	Tier I
10 July 05	-128	30	Tier II
10 July 05	-129	19	Tier II

CERTIFICATION THAT QUADRANT IS COMPLETE AND ALL SOILS CONTAINING TIER I/II
PCBs ARE REMOVED IF POSSIBLE

Queen's Representative

26 August 05
Date

Engineer Representative

31/08/2005
Date

QC Representative

Date