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September 6, 2019

VIA E-MAIL AND HAND-DELIVERY

Mr. Tom Titus
Project Manager
Remedial Projects Unit
Arizona Department of Environmental Quality
1110 West Washington Street
Phoenix, AZ 85007

RE: Park-Euclid Group / Request for Approval of Past Remedial Actions

Dear Tom:

I am writing on behalf of the Park-Euclid Group pursuant to Arizona Administrative Code (A.A.C.) R18-16-409(H) and R18-16-413(A) to request the Arizona Department of Environmental Quality's (ADEQ or the Department) approval of past remedial actions conducted at the Park-Euclid Water Quality Assurance Revolving Fund (WQARF) Site, to the extent such past remedial actions have not been previously approved by ADEQ, and to provide the information listed in A.A.C. R18-16-413(A)(1-9). The past remedial actions for which the Park-Euclid Group is requesting approval are generally described in the numerous reports, work plans and other information listed on Exhibit A attached hereto. Also attached to this letter (Exhibit B) is a proposed public notice for your approval as required under A.A.C. R18-16-413(A.7).

1. The name and address of the person submitting the request and nature of the relationship of the person to the site, if any.

RESPONSE: The names and addresses of the persons who comprise the Park-Euclid Group are: Mission Linen Supply (Mission), c/o Joseph A. Drazek, Quarles & Brady LLP, Renaissance One, Two North Central Avenue, Phoenix, AZ 85004-2391 and Ira A. Haskell and Donna L. Haskell, husband and wife, Roy V. Haskell, Abigail Redfern, William R. Haskell, Peggy Haskell Robinson, and the Estate of Fletcher O. Haskell (collectively, the Haskells), c/o James M. Sakrison, Esq., Slutes, Sakrison & Rogers, P.C., 4801 E. Broadway Blvd., Suite 301,

Tucson, AZ 85711. Both Mission and the Haskells had or have an operating facility located within the Park-Euclid Site.

2. The location and boundaries of the site or portion of the site addressed by the remedial action.

RESPONSE: The Park-Euclid Site is located east of downtown Tucson, Arizona and is bounded approximately by 8th Street on the north, 14th Street on the south, Mountain Avenue on the east, and Euclid Avenue on the west.

3. The nature, degree, and extent of the hazardous substance contamination, if known.

RESPONSE: The nature, degree and extent of the hazardous substance contamination in the Park-Euclid Site is described in the Final Remedial Investigation Report dated November 15, 2011 prepared by Tetra Tech GEO for ADEQ (RI Report) and is summarized in the Final Feasibility Study (FS) Report dated September 29, 2017. Additional characterization of the nature, degree and extent of the hazardous substance contamination since the issuance of the Final FS Report is described in the Long Term Monitoring Report dated April 26, 2019.

4. A description of any remedial action performed before the request is submitted.

RESPONSE: A description of the remedial actions performed prior to this request is contained in the RI Report. Additionally, the Final FS Report (Sections 2.5 and 2.6) also provides an overview of the Park-Euclid Site investigations and early response actions. Additional remedial actions performed since the Final FS Report are described in the April 26, 2019 Long Term Monitoring Report. Finally, the remedial actions are generally described in the numerous reports, work plans and other information listed on Exhibit A.

5. A work plan for any remedial action to be performed after the request is submitted.

RESPONSE: The Park-Euclid Group is preparing a proposed remedial action plan (PRAP) in accordance with A.A.C. R18-16-408. The PRAP will be submitted to ADEQ for approval under A.A.C. R18-16-413.

6. A demonstration of how the remedial action complied, or will comply, with this Article.

RESPONSE: This request for approval of past remedial actions is submitted pursuant to A.A.C. R18-16-409(H) in conjunction with the Park-Euclid Group's request for remedial action cost credit pursuant to A.A.C. R18-16-409. The itemized statement of costs and the supporting documentation provided with that request demonstrate that the past remedial actions conducted at the Park-Euclid Site either jointly or individually by Mission or the Haskells are consistent with A.R.S. § 49-282.06 and Article 4 of A.A.C. Title 18, Chapter 16 in that they: (1) Assured the protection of public health and welfare and the environment; (2) To the extent practicable, provided for the control, management or cleanup of the hazardous substances at the Park -

Euclid WQARF site in order to allow the maximum beneficial use of the waters of the state; and (3) Were reasonable, necessary, cost-effective and technically feasible.

7. A proposal for public notice and an opportunity for public comment on the application for approval under this Section. The proposal shall include a list of the names and addresses of persons whom the applicant believes to be responsible parties under A.R.S. § 49-283 and a summary of the basis for that belief.

RESPONSE: A draft public notice of opportunity for public comment is attached as Exhibit B. The names and addresses of persons who may be responsible parties are described in the RI Report and include Mission, the Haskells and Pima County. Other potentially responsible parties who may have contributed to petroleum hydrocarbon contamination at the Park-Euclid Site that has caused and will continue to cause the Park-Euclid Group to incur remedial action costs are Chevron and Union Pacific Railroad. Further, elevated volatile hydrocarbon concentrations observed during the Park-Euclid Group's early response action in the Lower Vadose Zone suggest that a nearby contamination source exists outside the immediate project vicinity. The party or parties responsible for that nearby contamination source are not yet known. The Park-Euclid Group reserves the right to identify additional persons who may be responsible parties in the future.

8. An agreement in which the person requesting the approval agrees:
 - a. To grant access to the Department as necessary to evaluate the request for approval.
 - b. To reimburse the Department for the Department's costs under subsection (G).

RESPONSE: The Park-Euclid Group and the Department entered into an Agreement to Conduct Work dated July 16, 2010. Further, a proposed Agreement to Review Work is being submitted with the Park-Euclid Group's September 6, 2019 request for remedial action cost credit.

9. An original seal imprint and signature of a registered professional if required by the Arizona Board of Technical Registrations under A.R.S. Title 32, Chapter 1 and the rules under that Chapter.

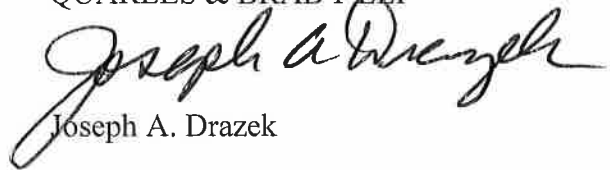
RESPONSE: The reports identified on Exhibit A have all been signed and sealed by an Arizona Registered Professional Geologist or Engineer.

Mr. Tom Titus
September 6, 2019
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Please let us know if the attached public notice is acceptable to the Department. The notice will be published upon receipt of the Department's approval.

Sincerely,

QUARLES & BRADY LLP



Joseph A. Drazek

JAD:psm
Attachments

cc: Wendy Flood (w/atts.)
Tim LePage (w/atts.)
Scott Green (w/atts.)
Rick Zeise (w/atts.)
Jim Sakrison (w/atts.)
Don Moore (w/atts.)
Robert Boudra (w/atts.)
Tony Mancuso (w/atts.)

**REPORTS, WORKPLANS AND OTHER INFORMATION DESCRIBING
REMEDIAL ACTIONS AT THE PARK-EUCLID WQARF SITE**

- EMCON, 1994a. Letter from Norman Weiss and E.S. Cetwinski, Phoenix, Arizona, to Anita Pritchard, ADEQ. January.
- EMCON, 1994b. Remedial Investigation Status Report, Mission Industries, 301 South Park Avenue, Tucson, Arizona. January.
- EMCON, 1994c. Letter from, EMCON to ADEQ, re Haskell Linen Information. May 18.
- EMCON, 1994d. Aquifer Test Report MLR-7. December.
- EMCON, 1994e. Remedial Investigation Status Report, Mission Industries, 301 South Park Avenue, Tucson, Arizona. December.
- EMCON, 1995a. Phase I Remedial Investigation Report, Mission Industries, 301 South Park Avenue, Tucson, Arizona. August 8.
- EMCON, 1995b. Phase 2 Remedial Investigation, Soil Vapor Well Installation and Monitoring Report, Mission Industries, 301 South Park Avenue, Tucson, Arizona. August 8.
- EMCON, 1995c. Phase-2 Remedial Investigation, Shallow Aquifer Well (MLS-4, 5, & 6) Installation and Monitoring Report, Mission Industries, 301 South Park Avenue, Tucson, Arizona. August 16.
- EMCON, 1995d. Phase 3 Remedial Investigation, Production Well MP-1 Abandonment Report, Mission Industries, 301 South Park Avenue, Tucson, Arizona. August 8.
- EMCON, 1995e. Phase 3 Remedial Investigation, Monitor Well MLR-7 Drilling and Installation Report, Mission Industries, 301 S. Park Avenue, Tucson, Arizona. August.
- Dames & Moore. 1999. Engineering Evaluation/Cost Analysis. Prepared for Mission Linen Supply. June.
- Dames & Moore. 2000. Phase 4 Investigation Report, Park – Euclid WQARF Site. Mission Linen Supply, 301 South Park Avenue, Tucson, Arizona. February 17.
- URS Corporation (URS). 2002. Work Plan for Soil Vapor Extraction Confirmation Study, Park–Euclid WQARF Site, Tucson, Arizona. March 7
- URS. 2003a. Vadose Zone Confirmation Study, Park-Euclid Water Quality Assurance Revolving Fund Site, Tucson, Arizona. August 7.
- URS. 2003b. Multi-Phase Extraction Pilot Test Report, Park-Euclid WQARF Site, Tucson, Arizona. November 26.
- URS. 2004a. Results of Ambient Air Sampling at the Park-Euclid WQARF Site, Tucson, Arizona. May.
- URS. 2004b. Report of Quarterly Soil Vapor Sampling, Park – Euclid WQARF Site, Tucson, Arizona. November 4.

Exhibit A

- URS. 2005a. Report of Quarterly Soil Vapor Sampling, Park – Euclid WQARF Site, Tucson, Arizona. January 25.
- URS. 2005b. Report of Quarterly Soil Vapor Sampling, Park – Euclid WQARF Site, Tucson, Arizona. May 5.
- URS. 2005c. Report of Quarterly Soil Vapor Sampling, Park – Euclid WQARF Site, Tucson, Arizona. July 19.
- URS. 2009. Multi-Phase Extraction System Operation Summary, Park-Euclid WQARF Site, Tucson, Arizona. November 9.
- URS. 2010a. Work Plan for Multi-Phase Extraction System Early Response Action, Park – Euclid WQARF Site, Tucson, Arizona. October 15.
- URS. 2010b. Work Plan for Long-Term Monitoring. Park-Euclid WQARF Site, Tucson, Arizona. November 19.
- URS. 2011. Baseline Report for Long-Term Monitoring and Remedial System Performance, Park-Euclid WQARF Site, Tucson, Arizona. December 22.
- URS. 2012a. Semi-Annual Report for Long Term Monitoring, First 2012 Event, Park-Euclid WQARF Site, Tucson, Arizona. July 27.
- URS. 2012b. Semi-Annual Report for Long Term Monitoring, Second 2012 Event, Park-Euclid WQARF Site, Tucson, Arizona. October 31.
- URS. 2013a. Work Plan, Feasibility Study and Associated Activities, Park-Euclid WQARF Site, Tucson, Arizona. June 21.
- URS. 2013b. Semi-Annual Report for Long Term Monitoring, First 2013 Event, Park-Euclid WQARF Site, Tucson, Arizona. August 14.
- URS. 2014a. Semi-Annual Report for Long Term Monitoring, Second 2013 Event, Park-Euclid WQARF Site, Tucson, Arizona. February 18.
- URS. 2014b. Lower Vadose Zone SVE Pilot Test Technical Memorandum, Park – Euclid WQARF Site, Tucson, Arizona. From URS to ADEQ on June 2.
- URS. 2014c. Work Plan, Lower Vadose Zone Soil Vapor Extraction Early Response Action, Park Euclid WQARF Site, Tucson, Arizona. June 4, 2014.
- URS. 2014d. Groundwater Modeling Status Technical Memorandum, Park-Euclid WQARF Site, Tucson, Arizona. March 21.
- URS. 2014e. Annual Report for Long Term Monitoring, Park-Euclid WQARF Site, Tucson, Arizona. July 28.
- URS. 2015. 2015 Annual Report for Long Term Monitoring, Park-Euclid WQARF Site, Tucson, Arizona. October 6.
- URS. 2016. Regional Aquifer Groundwater Monitoring Report. Park-Euclid WQARF Site, Tucson, Arizona. April 26.

- URS. 2017a. 2016 Annual Report for Long Term Monitoring, Park-Euclid WQARF Site, Tucson, Arizona. March 28.
- URS. 2017b. Summary Report, Lower Vadose Zone Soil Vapor Extraction Early Response Action. Park – Euclid WQARF Site, Tucson, Arizona. May 23.
- URS. 2017c. Technical Memorandum, Human Health Risk Assessment for the Feasibility Study and Associated Activities, Park Euclid WQARF Site, Tucson, Arizona, October 18.
- URS. 2017d. Final Feasibility Study Report. Park-Euclid WQARF Site, Tucson, Arizona. October 18.
- URS. 2017e. 2017 Annual Report for Long-Term Monitoring, Park-Euclid WQARF Site, Tucson, Arizona. October 23.
- URS. 2018a. Work Plan for Lower Vadose Zone Soil Vapor Monitoring Well Installation. Park-Euclid WQARF Site, Tucson, Arizona. February 23.
- URS. 2018b. Work Plan for Supplemental Hydrogeologic Characterization. Park-Euclid WQARF Site, Tucson, Arizona. May 3.
- URS. 2019. 2018 Long-Term Monitoring, Park-Euclid WQARF Site, Tucson, Arizona. April 26.

All activities described in the detailed cost summary and supporting documentation submitted with the Park-Euclid Group's September 6 , 2019 Request For Past Remedial Costs Credit



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E-Mail: Joe.Drazek@quarles.com

May 4, 2020

VIA EMAIL

Mr. Tom Titus
Project Manager
Remedial Projects Unit
Arizona Department of Environmental Quality
1110 West Washington Street
Phoenix, AZ 85007

RE: Park-Euclid WQARF Site / Request for Remedial Action Costs Credit

Dear Tom:

I am writing on behalf of Mission Linen Supply (Mission) and the Haskells¹ (Mission and the Haskells are collectively referred to as the Park-Euclid Group) pursuant to Arizona Administrative Code (A.A.C.) R18-16-409 to amend the Park-Euclid Group's September 6, 2019 request for credit against the Park-Euclid Group's potential liability at the Park-Euclid WQARF Site (the Site) for costs that either Mission or the Haskells have individually or jointly incurred for remedial actions undertaken at the Site. This amended request includes remedial action costs incurred between July 27, 2019 and April 24, 2020. Those costs are described in the attached updated itemized statement of costs (Exhibit A) that includes a certification that the itemized statement of costs is true, accurate and complete. Also attached are the supporting documents consisting of the AECOM/URS invoices for that time period.

The supporting documentation is sufficient to establish that the remedial action costs incurred by Mission and the Haskells are consistent with A.R.S. § 49-282.06 and Article 4 of A.A.C. Title 18, Chapter 16 in that they: (1) assured the protection of public health and welfare and the environment; (2) to the extent practicable, provided for the control, management or cleanup of the hazardous substances at the Site in order to allow the maximum beneficial use of

¹ The Haskells, collectively, are: Ira A. Haskell and Donna L. Haskell, husband and wife, Roy V. Haskell, Abigail Redfern, William R. Haskell, Peggy Haskell Robinson, and the Estate of Fletcher O. Haskell.

Mr. Tom Titus
May 4, 2020
Page 2

the waters of the state; and (3) were reasonable, necessary, cost-effective and technically feasible.

The Park-Euclid Group will further amend its request with any additional costs incurred after April 24, 2020 through the completion of the Proposed Remedial Action Plan and issuance of a Record of Decision by ADEQ approving the final remedy.

If you have any questions regarding this amended request or any of the information provided, please let me know.

Sincerely,

/s/ Joe A. Drazek

Joe A. Drazek

JAD:psm
Enclosures

cc: Tina LePage (w/ encls.)
Scott Green (w/ encls.)
Rick Zeise (w/ encls.)
James M. Sakrison (w/ encls.)
Donald W. Moore (w/ encls.)
Robert A. Boudra (w/ encls.)
Tony Mancuso (w/ encls.)

YEARLY COST SUMMARY

<u>YEAR</u>	<u>TOTAL</u>
1991	\$24,795.42
1992	\$154,229.10
1993	\$384,281.61
1994	\$488,139.89
1995	\$443,981.00
1996	\$16,232.77
1997	\$323,051.62
1998	\$203,667.80
1999	\$137,256.28
2000	\$148,631.66
2001	\$169,869.16
2002	\$118,832.13
2003	\$334,835.74
2004	\$242,655.10
2005	\$578,359.61
2006	\$134,651.43
2007	\$64,369.25
2008	\$679,048.33
2009	\$177,834.78
2010	\$113,763.03
2011	\$110,157.46
2012	\$435,249.93
2013	\$470,084.48
2014	\$661,515.69
2015	\$467,675.99
2016	\$265,275.13
2017	\$290,485.57
2018	\$1,076,333.07
2019	\$754,099.30
2020	\$133,563.84
TOTAL:	\$9,602,926.17

Exhibit A

CERTIFICATION

I, Joseph A. Drazek, as attorney for Mission Linen Supply, a member of the Park-Euclid Group, hereby certify that the itemized statement of past remedial action costs incurred at the Park-Euclid WQARF Site is true, accurate and complete.

Dated: May 4, 2020

/s/ Joseph A. Drazek
Joseph A. Drazek
Quarles & Brady LLP
Renaissance One
Two North Central Avenue
Phoenix, Arizona 85004-2391

**Park-Euclid WQARF Site
1991 Remedial Action Costs**

<u>Time Period/Metcalf & Eddy, Inc. Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
3/1/91-5/31/91, Invoice No. 000013 Tucson Technical Review Services	<ul style="list-style-type: none"> • Compile and review Tucson file. • Consultation regarding site investigation. 	\$8,895.45
5/1/91-6/28/91, Invoice No. 001174 Tucson Technical Review Services	<ul style="list-style-type: none"> • Compile and review Tucson file. • Consultation regarding site investigation. 	\$3,840.00
6/29/91-7/26/91, Invoice No. 002109 Tucson Technical Review Services	<ul style="list-style-type: none"> • Compile and review Tucson file. • Consultation regarding site investigation. 	\$6,284.37
	SUBTOTAL:	\$19,019.82

<u>Time Period/EMCON Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
8/1/91-8/31/91, Invoice No. 80309 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Consultation regarding preparation of site investigation work plan. 	\$2,437.75
9/1/91-10/31/91, Invoice No. 10333 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Consultation regarding preparation of site investigation work plan. 	\$1,131.10
11/1/91-11/30/91, Invoice No. 11332 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Consultation regarding preparation of site investigation work plan. 	\$2,012.40
12/1/91-12/31/91, Invoice No. 12306 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Consultation regarding preparation of site investigation work plan. 	\$194.35
	SUBTOTAL:	\$5,775.60
	1991 TOTAL:	\$24,795.42

**Park-Euclid WQARF Site
1992 Remedial Action Costs**

<u>Time Period/EMCON Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
1/1/92-1/31/92, Invoice No. 1318 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Continue work on draft work plan for completion of remedial action plan and technical investigation. 	\$6,825.00
2/1/92-2/29/92, Invoice No. 2311 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Complete draft work plan for remedial action plan and technical investigation. • Complete cost estimates for subcontractors and EMCON staff to complete remedial action plan. • Complete drafting and layout work for site diagrams, soil gas testing, monitoring wells, and soil boring wells. • Project management. • Client and agency liaison. 	\$11,816.15
3/1/92-3/31/92, Invoice No. 3340 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Submit completed remedial action work plan to Mission and to ADEQ for review. • Participate in briefing with ADEQ to review draft work plan. • Compile historic information on use of hazardous substances and petroleum products by surrounding property users. • Develop aerial photographs and graphics for project use and presentation. • Complete groundwater elevation and free product checks for on-site wells. • Perform project management and quality control and assurance. • Client and agency communications. 	\$9,811.25
4/1/92-4/30/92, Invoice No. 4286 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Continue activities to implement remedial action work plan. 	\$1,426.35

5/1/92-5/31/92, Invoice No. 5325 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Continue activities to implement remedial action work plan. 	\$12,969.55
6/1/92-6/30/92, Invoice No. 6338 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Respond to ADEQ comments and work on draft text for final work plan. • Agency liaison and communications. • Water elevation measurements and free product checks of on-site monitoring wells. • Continue review of City of Tucson water data. • Project management and client communications. 	\$5,852.65
7/1/92-7/31/92, Invoice No. 7297 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Negotiate text in final work plan with ADEQ. • Submit final work plan to ADEQ. • Free product check and water elevation measurements at the Mission site. • Develop further documentation for identification of other potentially responsible parties. • Complete field survey of wells in surrounding area. • Client communications. • Project management. 	\$8,812.43
8/1/92-8/31/92, Invoice No. 80731 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Free product checks and water elevation measurements for on-site wells. • On-site meeting with client to discuss schedule for remedial actions. • Communications with ADEQ and client. • Scheduling of subcontractors. • Area survey of potentially responsible parties. • Project management. 	\$5,344.45
9/1/92-9/30/92, Invoice No. 90732 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Temperature survey of old well. • Abandonment of old well and completion of soil gas survey. • Water elevation and free product checks. • Project management. 	\$12,778.88

10/1/92-10/31/92, Invoice No. 10645 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Sample and analyze on-site monitoring wells. • Measure on-site monitoring wells for free product and water elevations. • Collect depth specific samples in new Mission well. • Conduct soil gas analysis. • Project management. • Agency liaison and communication. 	\$27,939.20
11/1/92-11/30/92, Invoice No. 11549 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Continue Phase 1 investigation per work plan including further sampling of existing wells, analysis of soil gas data, temperature logs and water quality data. • Complete groundwater measurements and free product check. • Coordinate activities for disposal of wastewater from well purging. • Client and agency communication. • Subcontractor charges for soil gas survey, pumping service and laboratory analysis. 	\$40,882.02
12/1/92-12/31/92, Invoice No. 12715 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Continue activities to implement Phase 1 investigation work plan. 	\$9,771.17
	1992 TOTAL:	\$154,229.10

**Park-Euclid WQARF Site
1993 Remedial Action Costs**

<u>Time Period/EMCON Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
1/1/93-1/31/93, Invoice No. 20129 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Submit addendum to remedial action work plan to Mission and ADEQ. • Coordinate and schedule Phase 2 field activities for drilling monitoring wells and soil borings. • Complete Notice of Intent to Drill forms for submittal to ADWR. • Coordinate approval for disposal of contaminated well water with Pima County Wastewater including review of specifications for charcoal canisters. • Project management and client communications. 	\$14,913.34
2/1/93-2/28/93, Invoice No. 20228 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Continue implementation of site investigation work. 	\$11,762.17

<p>3/1/93-3/31/93, Invoice No. 20335 Remedial Action Plan, Tucson, AZ</p>	<ul style="list-style-type: none"> • Coordinate with ADEQ and ADWR on well variance requests, permits and work plan modifications. • Coordinate subsurface drilling efforts for soil vapor extraction wells and shallow groundwater monitoring wells including site visits and meetings with the drillers. • Coordinate subsurface drilling efforts and geophysical logging for shallow monitoring wells. • Coordinate efforts and bids for laboratory services and drilling subcontractors. • Complete arrangements and logistical support for management and disposal of investigation derived waste. • Coordinate logistics for procurement of drilling and sampling equipment, safety equipment and well supplies. • Coordinate efforts associated with soil vapor extraction tests and determine regulatory permit requirements. • Agency and client communications. • Project management. 	<p>\$37,948.18</p>
<p>4/1/93-4/30/93, Invoice No. 20430 Remedial Action Plan, Tucson, AZ</p>	<ul style="list-style-type: none"> • Continue work plan implementation. • Monthly costs include prior subcontractor charges. • Client and agency communications. • Project management. 	<p>\$117,160.55</p>

<p>5/1/93-5/31/93, Invoice No. 20531 Remedial Action Plan, Tucson, AZ</p>	<ul style="list-style-type: none"> • Evaluate and compile data collected from Phase 2 investigation. • Complete water elevation and free product checks for each well. • Conduct vapor extraction tests for four SVE wells. • Complete TPH fingerprints. • Compile data and evidence on potential contribution from railroad. • Communications with various agencies. • Coordinate waste removal. • Consultation with respective vendor for remediation equipment. • Project management. 	<p>\$87,125.00</p>
<p>6/1/93-6/30/93, Invoice No. 20628 Remedial Action Plan, Tucson, AZ</p>	<ul style="list-style-type: none"> • Compile data from Phase 2 work and submit to ADEQ. • Develop strategy for subsequent work and begin modifications to work plan for ADEQ approval. • Complete further research on railroad remediation efforts, historic groundwater elevations and flows. • Complete water elevation measurements and free product checks for on-site wells. • Develop outline of remedial action plan and begin process of documented work completed to date. • Make waste determinations of on-site waste for disposal. • Laboratory charges for Phase 2 sampling. • Project management. 	<p>\$25,555.03</p>

<p>7/1/93-7/31/93, Invoice No. 20729 Remedial Action Plan, Tucson, AZ</p>	<ul style="list-style-type: none"> • Complete review and assimilation of data from Phase 2 investigation and submit to ADEQ. • Meet with ADEQ to review Phase 2 data and to discuss additional site characterization work. • Complete initial scoping of risk assessment for remedial action plan. • Continue development of potential evidence for petroleum contribution from the railroad. • Review specifications for soil vapor treatment unit from manufacturer. • Complete monthly free product checks and water elevation measurements. • Coordinate with Pima County Air Quality regarding installation permit. • Complete arrangements for disposal of investigation derived waste. 	<p>\$12,794.22</p>
<p>8/1/93-8/31/93, Invoice No. 20826 Remedial Action Plan, Tucson, AZ</p>	<ul style="list-style-type: none"> • Submit revised cost estimate for long-term remedial actions at the Tucson site. • Continue development of Phase 3 work plan based on information compiled in Phase 2 work and in informal meeting held with ADEQ staff. • Submit air quality installation permit to Pima County. • Disposal of investigation derived waste. • Continue monthly free product checks and water elevation measurements of on-site wells. 	<p>\$14,566.25</p>

<p>9/1/93-9/30/93, Invoice No. 20927 Remedial Action Plan, Tucson, AZ</p>	<ul style="list-style-type: none"> • Coordinate with City of Tucson regarding property easements for off-site shallow groundwater monitoring wells. • Continue to collect and develop information on potential contribution to solvent and petroleum contamination beneath the Mission site. • Complete free product checks and water elevation measurements for on-site wells. • Consider further refinements to draft Phase 3 work plan. • Coordinate removal of investigation derived waste. • Coordinate bid specification package for drilling of off-site shallow monitoring wells and closure and abandonment of the "new production well" and drilling of regional soil boring which may be developed into a groundwater monitoring well. • Coordinate with Pima County regarding status of air quality installation permit. • Project management and client communication. 	<p>\$29,645.77</p>
<p>10/1/93-10/31/93, Invoice No. 21027 Remedial Action Plan, Tucson, AZ</p>	<ul style="list-style-type: none"> • Continue work on collection of data and evidence regarding contribution from railroad. • Client meetings and discussion associated with modifications to Phase 3 work plan. • Collection of monthly water elevation data and free product checks. • Meeting with ADEQ regarding changes to Phase 3 work plan. • Work on changes to Phase 3 work plan. 	<p>\$14,267.78</p>

11/1/93-11/30/93, Invoice No. 21142 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Complete analysis of potential contributions associated with groundwater contamination beneath the Mission site. • Work on acquisition of off-site well easements. • Develop and revise draft work plan for Phase 3 activities. • Collect water elevation and free product information from on-site wells. • Provide additional information to Pima County regarding air quality permit application. • Project management. 	\$11,076.62
12/1/93-12/31/93, Invoice No. 20132 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Continue development of remedial action plan. • Complete free product checks and water elevation measurements for on-site wells. • Carbon rental for previous vapor extraction test. • Waste determinations for investigation derived waste. • Client communication. • Project management. 	\$7,466.70
	1993 TOTAL:	\$384,281.61

**Park-Euclid WQARF Site
1994 Remedial Action Costs**

<u>Time Period/EMCON Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
1/1/94-2/6/94, Invoice No. 21342 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Continue work on Phase 3 work plan. • Client and agency communications. • Project management. 	\$4,745.16
2/7/94-3/6/94, Invoice No. 20234 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Revisions to Phase 3 work plan and meeting with ADEQ. • Review file associated with Southern Pacific Railroad and ADEQ correspondence. • Coordinate with ADEQ regarding WQARF questionnaires. • Coordination with City of Tucson regarding well easements. • Coordination with Pima County Air Quality Office regarding air permit status. • Water level measurements and free product checks. • Project management and client communications. 	\$6,578.21

<p>3/7/94-4/3/94, Invoice No. 20310 Remedial Action Plan, Tucson, AZ</p>	<ul style="list-style-type: none"> • Review hydrogeologic data and records to develop proposed justifications and rationale for Phase 3 investigation work. • Continue efforts to obtain public easements for installation of off-site shallow wells. • Complete water elevation measurements for on-site wells. • Complete inventory of additional waste drums located on-site. • Continue coordination with Pima County regarding air permit. • Continue work associated with development of remedial action plan. • Project management and client communication. 	<p>\$8,455.30</p>
<p>4/4/94-5/8/94, Invoice No. 20441 Remedial Action Plan, Tucson, AZ</p>	<ul style="list-style-type: none"> • Work on specifications and logistical support for closure of MP-1 and drilling of new well. • Conduct water elevation measurements. • Negotiations with ADEQ regarding work plan approval and meeting with ADEQ management regarding future actions. • Work on letter to ADEQ regarding Haskell Linen contribution. • Project management. • Coordinate waste disposal. • Continue work on remedial action plan. • Continue efforts for acquisition of easements. 	<p>\$24,889.81</p>

<p>5/9/94-6/5/94, Invoice No. 20515 Remedial Action Plan, Tucson, AZ</p>	<ul style="list-style-type: none"> • Communicate with ADEQ regarding modified Phase 3 work plan. • Logistical support and mobilization for well abandonment. • Coordination of health and safety plans and waste disposal. • Subcontractor services for lab work and geophysical logs. • Monthly water elevation measurements. • Meeting with Southern Pacific Railroad. • Project management. 	<p>\$50,578.17</p>
<p>6/6/94-7/3/94, Invoice No. 20634 Remedial Action Plan, Tucson, AZ</p>	<ul style="list-style-type: none"> • Create groundwater quality database. • Abandon Mission well MP-1. • Drilling installation development and sampling of new regional well MLR-7. • De-mobilization from Phase 3 field activities. • Routine monthly water elevation measurements. • Groundwater sampling and analysis. • Disposal of investigation derived waste. • Documentation of Phase 3 activities and review results. • Communications and coordination with drilling subcontractor. • Communications with client and ADEQ. • Continue development of remedial action plan. 	<p>\$76,204.68</p>
<p>7/4/94-8/7/94, Invoice No. 20733 Remedial Action Plan, Tucson, AZ</p>	<ul style="list-style-type: none"> • Subcontractor charges for Phase 3 work. • Continue review of Phase 3 results. • Communications with client and ADEQ. • Project management. 	<p>\$94,557.31</p>
<p>8/8/94-9/4/94, Invoice No. 20824 Remedial Action Plan, Tucson, AZ</p>	<ul style="list-style-type: none"> • Subcontractor charges for Phase 3 work. • Continue review of Phase 3 results. • Communications with client and ADEQ. • Project management. 	<p>\$47,682.88</p>

9/5/94-10/2/94, Invoice No. 9626 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Subcontractor charges for Phase 3 work. • Continue review of Phase 3 results. • Communications with client and ADEQ. • Project management. 	\$17,274.68
10/3/94-11/6/94, Invoice No. 21143 Remedial Action Plan, Tucson, AZ	<ul style="list-style-type: none"> • Subcontractor charges for Phase 3 work. • Continue review of Phase 3 results. • Communications with client and ADEQ. • Project management. 	\$20,532.60
11/7/94-12/4/94, Invoice No. 21247 Remedial Investigations, Tucson, AZ	<ul style="list-style-type: none"> • Subcontractor charges for Phase 3 work. • Continue review of Phase 3 results. • Communications with client and ADEQ. • Project management. 	\$19,937.24
12/5/94-1/1/95, Invoice No. 31242 Remedial Investigations, Tucson, AZ	<ul style="list-style-type: none"> • Review, revise and finalize draft status report for submittal to ADEQ. • Prepare presentation boards for client and ADEQ meetings. • Participate in meeting with ADEQ. • Develop preliminary conceptual remedial investigation plans. • Review revised finalized aquifer testing report for submittal to ADEQ. • Review draft well inventory and conduct records review to supplement existing database. • Conduct on-site water level measurements. 	\$41,703.85
	EMCON SUBTOTAL:	\$413,139.89
5/4/94 Reimbursement to ADEQ for site characterization costs		\$75,000.00
	1994 TOTAL:	\$488,139.89

**Park-Euclid WQARF Site
1995 Remedial Action Costs**

<u>Time Period/EMCON Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
1/2/95-2/3/95, Invoice Nos. 30159 and 30100 Mission Pilot SVE Report and Remedial Investigations	<ul style="list-style-type: none"> • Review SVE test results and field notes. • Obtain carbon canister regeneration records. • Prepare draft SVE report for client review. • Develop and submit remedial investigation options to Mission for review. 	\$1,584.14
	<ul style="list-style-type: none"> • Develop draft proposed Phase 3 scope of work. • Prepare draft MLR-7 well drilling and installation report. • Conduct site visit and collect water level measurements. • Update groundwater elevation database and hydrograph database for all on-site wells. 	\$20,551.79
2/4/95-3/3/95, Invoice Nos. 20243 and 20201 Remedial Investigations, Tucson, AZ and Mission Pilot SVE Report	<ul style="list-style-type: none"> • Work on revisions to draft vapor extraction test report. • Project management. 	\$711.94
	<ul style="list-style-type: none"> • Work on WQARF information request. • Development of RI Scope of Work. • Continue work on well installation report. 	\$21,958.73
3/4/95-3/31/95, Invoice Nos. 20340 and 20321 Remedial Investigations and PCE Air Sampling, Tucson, AZ	<ul style="list-style-type: none"> • PCE air sampling. • Project management activities • Work on temporary revocable easement for off-site wells. 	\$356.38
	<ul style="list-style-type: none"> • Development of RI Scope of Work. • Continue work on draft reports. 	\$28,925.90

4/1/95-5/5/95, Invoice Nos. 20473 and 20498 Remedial Investigations and PCE Air Sampling, Tucson, AZ	<ul style="list-style-type: none"> • Work on easement. • Monthly water level measurements. • Work on draft reports. • Development of RI Scope of Work. • Project management. • PCE air sampling. 	\$26,001.03
		\$469.22
5/6/95-6/2/95, Invoice Nos. 20580 and 20601 Remedial Investigations and PCE Air Sampling, Tucson, AZ	<ul style="list-style-type: none"> • Develop RI Scope of Work. • Complete existing reports. • Fieldwork. • Project management. • Air sampling. 	\$28,435.13
		\$3,410.09
6/3/95-6/30/95, Invoice Nos. 20629 and 20630 Phase 4 General Consulting and Phase 4 Work Plan and Reporting	<ul style="list-style-type: none"> • Collect monthly water and product levels. • Complete historic reports. • Work on Phase 4 investigation work plan. 	\$14,589.78
		\$7,922.76
7/1/95-8/4/95, Invoice Nos. 20707 and 20708 Phase 4 General Consulting and Phase 4 Work Plan and Reporting	<ul style="list-style-type: none"> • Work on draft historic reports. • Conduct monthly well sampling. • Work on draft Phase 4 investigation work plan. 	\$17,761.50
		\$40,903.26
8/5/95-9/1/95, Invoice Nos. 08206 and 08205 Phase 4 General Consulting and Phase 4 Work Plan and Reporting	<ul style="list-style-type: none"> • Work on Phase 4 investigation work plan. • Project management activities. • Client and agency communications. 	\$15,608.44
		\$14,745.58

9/2/95-9/29/95, Invoice Nos. 09217 and _____ Phase 4 General Consulting and Phase 4 Work Plan and Reporting	<ul style="list-style-type: none"> • Continue work on Phase 4 investigation work plan. • Conduct monthly water level measurements. • Project management. • Client and agency communications. 	\$28,277.86
		\$5,648.98
9/30/95-11/3/95, Invoice Nos. 10139, 10140 and 10141 Phase 4 General Consulting and Phase 4 Work Plan and Reporting and Phase 4 Source Area	<ul style="list-style-type: none"> • Continue work on Phase 4 investigation work plan. • Conduct shallow soil sampling in source area. • Project management activities. 	\$6,401.83
		\$6,643.85
		\$338.87
11/4/95-12/1/95, Invoice Nos. 10534, 10531 and 11148 Phase 4 General Consulting and Phase 4 Work Plan and Reporting and Phase 4 Source Area	<ul style="list-style-type: none"> • Continue work on Phase 4 investigation work plan. • Project management activities. 	\$6,595.19
		\$5,231.60
		\$590.00
12/2/95-12/29/95, Invoice Nos. 13786 and 13787 Phase 4 General Consulting and Phase 4 Work Plan and Reporting and Phase 4 Source Area	<ul style="list-style-type: none"> • Continue work on Phase 4 investigation work plan. • Project management activities 	\$649.76
		\$2,909.03
	EMCON SUBTOTAL:	\$307,222.64
9/8/95 Reimbursement to ADEQ for site characterization costs		\$136,758.36
	1995 TOTAL:	\$443,981.00

**Park-Euclid WQARF Site
1996 Remedial Action Costs**

<u>Time Period/EMCON Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
1/1/96-3/1/96, Invoice Nos. 16572 and 16570 Phase 4 General Consulting and Phase 4 Work Plan and Reporting and Phase 4 Source Area	<ul style="list-style-type: none"> • Coordination with new ADEQ project manager. • Project management activities. 	\$1,862.31
		\$910.34
3/2/96-3/29/96, Invoice No. 17851 Phase 4 General Consulting and Phase 4 Work Plan and Reporting and Phase 4 Source Area	<ul style="list-style-type: none"> • Project management and client communications. 	\$145.02
3/30/96-5/3/96, Invoice No. 20244 Phase 4 General Consulting and Phase 4 Work Plan and Reporting and Phase 4 Source Area	<ul style="list-style-type: none"> • Conduct site visit regarding bailer disposal. • Project management activities. 	\$484.10
5/4/96-5/31/96, Invoice No. 21913 Phase 4 General Consulting and Phase 4 Work Plan and Reporting and Phase 4 Source Area	<ul style="list-style-type: none"> • Project management activities. • Client and agency communications. 	\$1,236.18
6/1/96-6/28/96, Invoice No. 22688 Services Provided for Phase 4 Remedial Investigations	<ul style="list-style-type: none"> • Coordination with ADEQ project manager regarding project status and access to public right-of-way. • Project management activities. 	\$676.92
6/29/96-8/2/96, Invoice No. 25179 Phase 4 General Consulting and Phase 4 Work Plan and Reporting and Phase 4 Source Area	<ul style="list-style-type: none"> • Communications with ADEQ and client. • Project management activities. 	\$2,268.16

8/3/96-8/30/96, Invoice No. 25742 Phase 4 General Consulting and Phase 4 Work Plan and Reporting and Phase 4 Source Area	<ul style="list-style-type: none"> • Communications and meetings with client and ADEQ. • Project management activities. 	\$2,355.10
9/1/96-9/27/96, Invoice No. 27869 Phase 4 General Consulting and Phase 4 Work Plan and Reporting and Phase 4 Source Area	<ul style="list-style-type: none"> • Communications with client and ADEQ. • Project management activities. 	\$1,065.02
9/28/96-11/1/96, Invoice No. 29511 Services Provided for Phase 4 Remedial Investigations	<ul style="list-style-type: none"> • Coordination with client and local legal counsel regarding project status. • Coordination with ADEQ. • Project management activities. 	\$604.61
11/2/96-11/29/96, Invoice No. 32458 Phase 4 General Consulting and Phase 4 Work Plan and Reporting and Phase 4 Source Area	<ul style="list-style-type: none"> • Client communications. • Project management activities. 	\$193.64
11/30/96-1/3/97, Invoice No. 33083 Phase 4 General Consulting and Phase 4 Work Plan and Reporting and Phase 4 Source Area	<ul style="list-style-type: none"> • Attend meetings with ADEQ. • Client communications. • Project management activities. 	\$4,431.37
	1996 TOTAL:	\$16,232.77

**Park-Euclid WQARF Site
1997 Remedial Action Costs**

<u>Time Period/EMCON Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
1/4/97-2/7/97, Invoice No. 35007 Phase 4 General Consulting and Phase 4 Work Plan and Reporting and Phase 4 Source Area	<ul style="list-style-type: none"> • Preparation of work for Phase 4 remedial investigation. • Project management activities. • Client and agency communications. 	\$21,500.79
2/8/97-3/7/97, Invoice Nos. 36440 and 36441 Phase 4 General Consulting and Phase 4 Work Plan and Reporting and Phase 4 Source Area	<ul style="list-style-type: none"> • Preparation of work for Phase 4 remedial investigation. • Project management activities. • Client and agency communications. 	\$11,105.25
		\$25,150.40
3/8/97-4/4/97, Invoice No. 38123 Phase 4 General Consulting and Phase 4 Work Plan and Reporting and Phase 4 Source Area	<ul style="list-style-type: none"> • Preparation of work for Phase 4 remedial investigation. • Project management activities. • Client and agency communications. 	\$13,873.86
4/5/97-5/9/97, Invoice Nos. 38976, 38977, 38978, and 38980 Phase 4 General Consulting, Phase 4 Source Area, Phase 4 Regional Aquifer and McKesson Project	<ul style="list-style-type: none"> • Work on addendum to Phase 4 remedial investigation work plan. • Discussions with City of Tucson to obtain access for off-site Phase 4 investigation work. • Field investigation to assess former on-site PCE spill by McKesson. • Client and agency communications. • Project management. 	\$45,798.01
		\$3,550.93
		\$1,976.58
		\$1,168.44
5/10/97-6/6/97, Invoice Nos. 42360, 42361, 42362 and 42363	<ul style="list-style-type: none"> • Continue work on addendum to the Phase 4 remedial investigation work plan. • Investigations regarding potential liability of other PRPs in the vicinity of the Mission, Tucson site. 	\$5,270.52
		\$4,392.08
		\$15,658.10

<p>Phase 4 General Consulting, Tucson Litigation Support Insurance Carriers, SPTCO and Other PRP Litigation Support, McKesson Project</p>	<ul style="list-style-type: none"> • Continue investigations of former on-site PCE spill area by McKesson. • Client and agency communications. • Project management. 	<p>\$2,747.34</p>
<p>6/7/97-6/30/97, Invoice Nos. 41718, 41748, 41721 and 41722 Phase 4 General Consulting, Tucson Litigation Support Insurance Carriers, SPTCO and Other PRP Litigation Support, McKesson Project</p>	<ul style="list-style-type: none"> • Extensive interaction with City of Tucson to obtain access to public right-of-ways and city surplus property for Phase 4 investigations. • Preparation for meeting with representatives of the Haskell family. • Continue investigations into potential liability of other PRPs in the vicinity of the Tucson site. • Client and agency communications. • Project management. 	<p>\$14,561.84</p>
		<p>\$3,808.70</p>
		<p>\$7,864.24</p>
		<p>\$48.41</p>
<p>7/1/97-7/31/97, Invoice Nos. 42443, 43430, 43431, 42448 and 42445 Phase 4 General Consulting, Tucson Litigation Support Insurance Carriers, SPTCO and Other PRP Litigation Support, McKesson Project, Mission Off-Site Permit Fees</p>	<ul style="list-style-type: none"> • Continue extensive interaction with City of Tucson to obtain access to public rights-of-way and city surplus property for Phase 4 remedial investigations. • Conduct cultural resource clearance survey and other City of Tucson requirements to obtain access. • Application fees to City of Tucson. • Preparation for presentations to Mission insurance carriers and with the Haskell family. • Continue investigations into potential liability of other PRPs in the vicinity of the Tucson site. • Client and agency communications. • Project management. 	<p>\$18,608.67</p>
		<p>\$17,317.54</p>
		<p>\$15,100.014</p>
		<p>\$1,196.39</p>
		<p>\$11,235.50</p>

8/1/97-8/31/97, Invoice Nos. 44840, 44861 and 44862 Phase 4 General Consulting, Tucson Litigation Support Insurance Carriers and SPTCO and Other PRP Litigation Support	<ul style="list-style-type: none"> • Continue extensive interaction with City of Tucson to obtain access to public rights-of-way and city surplus property for Phase 4 remedial investigations. • Prepare and submit notices of intent to drill to ADWR. • Continue work to comply with new City of Tucson requirements to obtain access. • Update groundwater quality database. • Revise reports associated with July 1997 groundwater sampling. • Community relations. • Continue investigations into potential liabilities of PRPs in the vicinity of the Tucson site. • Project management. • Client and agency communications. 	\$19,210.21
		\$7,634.74
		\$8,789.86
9/1/97-9/30/97, Invoice Nos. 45170, 45171, 45172 Phase 4 General Consulting, Tucson Litigation Support Insurance Carriers and SPTCO and Other PRP Litigation Support	<ul style="list-style-type: none"> • Work on revisions to draft Phase 4 remedial investigation work plan. • Preparation for and attendance at meetings to prepare for upcoming meetings with Mission insurance carriers. • Project management. • Client and agency communications. 	\$2,387.06
		\$27,271.78
		\$512.97
10/1/97-11/7/97, Invoice Nos. 47562, 47563 and 47564 Phase 4 General Consulting, Tucson Litigation Support Insurance Carriers and SPTCO and Other PRP Litigation Support	<ul style="list-style-type: none"> • Preparation for and participation in meetings with Mission insurance carriers. • Coordination with Mission's plant manager regarding disposal of investigation derived waste. • Costs associated with July 1997 groundwater sampling program. • Client and agency communications. • Project management. 	\$5,134.87
		\$6,154.45
		\$4,022.08
	1997 TOTAL:	\$323,051.62

**Park-Euclid WQARF Site
1998 Remedial Action Costs**

<u>Time Period/Dames & Moore Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
1/31/98-2/27/98, Invoice No. 103-03313 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Preparation of Draft Workplan for Phase 4 Site Assessment and Remediation and submittal for review and approval to Mission and its insurance carriers. • Initiated re-keying of existing wells and assisting City of Tucson with measurement of water levels in shallow aquifer wells. 	\$20,545.48
2/28/98-3/27/98, Invoice No. 103-03363 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Preparation and submittal of Final Draft Workplan for Phase 4 Site Assessment and Remediation to ADEQ on 3/16/98. • Performed site visit to discuss site layout and operations with Mission's plant manager. • Posted groundwater elevations from water level measurements obtained by the City of Tucson necessary to interpret groundwater flow direction in the regional aquifer. 	\$5,910.27
3/28/98-4/24/98, Invoice No. 103-03408 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Coordination with Mission and its legal counsel regarding possible EPA involvement in the site investigation. • Review of previously prepared access agreements and coordination with Mission counsel regarding necessary modifications to same. • Escorted City of Tucson consultant during elevation surveying of Mission's monitoring wells. • Preparation of draft groundwater flow maps resulting from City of Tucson's water level measurements. • Review of health and safety requirements for the site investigation costs. 	\$3,535.80

<p>4/25/98-5/29/98, Invoice No. 103-03497 Soil and Groundwater Assessment and Remediation</p>	<ul style="list-style-type: none"> • Further coordination with Mission legal counsel regarding possible EPA involvement in the site investigation and further review of previously prepared access agreements and coordination with Mission legal counsel regarding necessary modifications to same. 	<p>\$3,163.21</p>
<p>5/30/98-7/3/98, Invoice No. 103-03545 Soil and Groundwater Assessment and Remediation</p>	<ul style="list-style-type: none"> • Continued coordination with Mission legal counsel regarding possible EPA involvement in site investigation. • Coordination with EPA's consultant regarding upcoming field work. • Prepare access agreements for submittal to the City of Tucson. • Interpretation of results of the City of Tucson's recent groundwater investigation in the site area. • Initial mobilization activities for the field investigation. 	<p>\$3,074.95</p>
<p>7/4/98-7/31/98, Invoice No. 103-03554 Soil and Groundwater Assessment and Remediation</p>	<ul style="list-style-type: none"> • Finalize and submit access agreements to the City of Tucson for upcoming off-site work. • Mobilization for the field investigation. • Perform shallow soil gas survey along the sanitary sewer. 	<p>\$15,833.36</p>
<p>8/1/98-8/28/98, Invoice No. 103-03593 Soil and Groundwater Assessment and Remediation</p>	<ul style="list-style-type: none"> • Perform interior multi-depth soil gas survey. • Begin background research for performance of an engineering evaluation/cost analysis (EE/CA) to support on-site Early Response Action. 	<p>\$18,812.01</p>
<p>8/29/98-9/25/98, Invoice No. 103-03627 Soil and Groundwater Assessment and Remediation</p>	<ul style="list-style-type: none"> • Completed exterior multi-depth soil gas survey. • Performed initial interpretation of soil gas data. • Continued to develop and evaluate removal alternatives for the EE/CA. 	<p>\$18,658.55</p>
<p>9/26/98-10/30/98, Invoice No. 103-03653 Soil and Groundwater Assessment and Remediation</p>	<ul style="list-style-type: none"> • Preparation of letter report and data submittal to City of Tucson regarding soil gas survey on city property. • Oversight of EPA sampling of Mission's on-site monitoring wells. • Preparation and review of internal draft EE/CA. 	<p>\$23,251.21</p>

10/31/98-11/27/98, Invoice No. 103-03672 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Initial interpretation of soil gas data for the Phase 4 investigation report. • Continued preparation of draft EE/CA for shallow soil Early Response Action beneath the site. 	\$1,869.12
11/28/98-12/25/98, Invoice No. 103-03687 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Review and approval of subcontractor costs from summer 1998 field program. • Additional interpretation of soil gas data for Phase 4 Investigation Report. • Completion of waste disposal from the field investigation program. • Final preparation and submittal of internal draft EE/CA for shallow soil Early Response Action. • Costs include subcontractor charges for services provided during soil gas investigation. 	\$89,013.84
	1998 TOTAL:	\$203,667.80

**Park-Euclid WQARF Site
1999 Remedial Action Costs**

<u>Time Period/Dames & Moore Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
12/26/98-1/29/99, Invoice No. 103-03706 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Evaluated options for completing quarterly sampling work. • Continued work on draft EE/CA. 	\$1,311.08
1/30/99-2/26/99, Invoice No. 103-03738 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Review ADEQ's draft listing document for the site under the WQARF program. • Develop plan for revised groundwater sampling schedule. • Performed interpretation of site geology to be included in draft EE/CA. • Revise EE/CA based on comments received from Mission review team. 	\$2,015.35
2/27/99-3/26/99, Invoice No. 103-03750 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Planning and coordination of revised groundwater sampling program. • Final management revision of draft EE/CA based on comments received from Mission review team. 	\$1,000.01
3/27/99-4/30/99, Invoice No. 103-03773 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Performance of quarterly groundwater sampling. • Initial design of Soil Vapor Extraction (SVE) system for the site. 	\$11,843.45
5/1/99-5/28/99, Invoice No. 103-03785 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Development of Database Management System (DBMS). • Continued work on SVE system design. 	\$15,651.48
5/29/99-6/25/99, Invoice No. 103-03795 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Design, subcontractor bidding, and permitting of SVE system. 	\$11,445.84

6/26/99-7/30/99, Invoice No. 103-03818 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Sampling of on-site monitoring wells for the third quarterly groundwater sampling round. • Continued design of SVE system. • Construction of conveyance piping for SVE system. 	\$13,227.14
7/31/99-8/27/99, Invoice No. 103-03833 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Sampling of off-site monitoring wells completion of water level survey of on-site and off-site monitoring wells for the third quarter groundwater sampling round. • Preparation of Phase 4 report. • Perform permitting activities for SVE system. 	\$37,147.67
8/28/99-9/24/99, Invoice No. 103-03848 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Continued preparation of Phase 4 Investigation Report. • Perform waste handling and disposal activities for investigation derived waste. • Permitting activities for SVE system. • Finalize and submit EE/CA Action Memorandum to support on-site Early Response Action. 	\$14,388.21
9/25/99-10/29/99, Invoice No. 103-03855 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Continued preparation of Phase 4 investigation report. • Conduct quarterly groundwater sampling. • Final construction of SVE system. 	\$11,624.36
10/30/99-11/26/99, Invoice No. 103-03870 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Conduct waste management activities from quarterly sampling event. • Continued preparation of Phase 4 investigation report. • Continued permitting activities for SVE system. 	\$6,576.93
11/27/99-12/24/99, Invoice No. 103-03876 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Perform waste management activities from quarterly sampling event. • Continued preparation of Phase 4 investigation report. • Continued permitting activities related to SVE system. • Attended public hearing for air discharge permit application. • Costs during this period including subcontractor costs for purging groundwater monitoring wells during final quarterly sampling event in October and for rental of carbon vessels to be used in SVE system. 	\$11,024.76
	1999 TOTAL:	\$137,256.28

**Park-Euclid WQARF Site
2000 Remedial Action Costs**

<u>Time Period/Dames & Moore Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
12/25/99-1/28/00, Invoice No. 103-03888 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Final construction of electrical components of the SVE system. Costs during this time period included subcontractor costs for rental of carbon vessels to be used in SVE system and for analysis of groundwater samples collected during final groundwater monitoring event in October 1999. 	\$14,420.55
1/29/00-2/25/00, Invoice No. 103-03893 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Finalize and submit Phase 4 Assessment Report. • Startup of SVE system and related costs for SVE system air discharge permit and pre-start-up remedial engineering activities. • Costs also include subcontractor costs for rental of carbon vessels used in SVE system. 	\$5,563.50
2/26/00-3/31/00, Invoice No. 103-03897 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Further work to finalize and submit Phase 4 assessment report. • Continued activities related to start-up of SVE system. • Analyses and disposal of waste soil from hydraulic spill. • Post start-up remedial engineering activities for SVE system. • Attend various internal and external meetings regarding air discharge permit for SVE system. 	\$16,153.80
4/1/00-4/28/00, Invoice No. 103-03901 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Implement design modifications to SVE system. • Attend various meetings regarding results of SVE system start-up. • Prepare responses to ADEQ comments and questions regarding SVE system start-up. 	\$10,441.44

4/29/00-5/26/00, Invoice No. 103-03914 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Preparation of compliance plan for SVE system. • Attend Park-Euclid Community Advisory Board meeting on 5/17/00. • Participate in "open house" at the site on 5/20/00 to allow community members to view SVE system and related remedial activities. 	\$10,094.76
5/27/00-6/30/00, URS Invoice No. 103-03917 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Start-up of SVE system. 	\$11,665.27
7/1/00-8/25/00, URS Invoice No. 35957 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Operation and maintenance of SVE system. • Preparation of monthly operation of monthly SVE operation reports for June and July 2000. 	\$14,771.88
8/26/00-11/24/00, URS Invoice No. 40727 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Continued operation and maintenance of SVE system. • Preparation of monthly SVE operation reports for August, September and October 2000. • Attend meeting in Tucson of Technical Advisory Board established by ADEQ regarding ongoing assessment and cleanup activities at the site and surrounding area. 	\$55,887.78
11/25/00-12/29/00, URS Invoice No. 45251 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Continued operation and maintenance of SVE system. 	\$9,632.68
	2000 TOTAL:	\$148,631.66

**Park-Euclid WQARF Site
2001 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
12/30/00-1/26/01, Invoice No. 52136 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Continued operation and maintenance of SVE system. 	\$22,105.79
1/27/01-2/23/01, Invoice No. 56821 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Continued operation and maintenance of SVE system. • Participation in Technical Advisory Group meeting in Tucson. 	\$9,688.23
2/24/01-3/30/01, Invoice No. 63830 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Continued operation and maintenance of SVE system. 	\$8,499.30
3/31/01-4/27/01, Invoice No. 67199 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Continued operation and maintenance of SVE system. • Participation in Mission's open house for the Park-Euclid Community Advisory Board and other local community members. • Attend meeting with ADEQ in Tucson regarding options for a possible interim remedial action at the Park-Euclid site. 	\$12,072.22
4/28/01-5/25/01, Invoice No. 74491 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Continued operation and maintenance of SVE system. 	\$4,737.03
5/26/01-6/22/01, Invoice No. 82363 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Continued operation and maintenance of SVE system. • Preparation of specifications for free-product removal system for remediation of liquid contaminants floating on the perched aquifer beneath the site. 	\$8,127.09
6/23/01-7/27/01, Invoice No. 84417 Soil and Groundwater Assessment and Remediation	<ul style="list-style-type: none"> • Continued operation and maintenance of SVE system. • Attendance and presentation at quarterly Technical Advisory Group meeting at ADEQ in Tucson. 	\$9,528.67

Additional Costs for 2/1/01-10/26/01, Invoice No. 03235 Phase 4 Investigation and Remediation	<ul style="list-style-type: none"> • Operation and maintenance of SVE system. 	\$1,458.59
7/28/01-9/7/01, Invoice No. 97030 Vadose Zone Remediation	<ul style="list-style-type: none"> • Attendance and presentation at quarterly Park-Euclid Community Advisory Board meeting. • Continued operation and maintenance of SVE system. • Non-routine maintenance on SVE system. • Replacement of granulated activated carbon on all four carbon canisters. 	\$26,529.01
9/8/01-10/5/01, Invoice No. 02016 Vadose Zone Remediation	<ul style="list-style-type: none"> • Continued operation and maintenance of SVE system. • Reconfiguration of SVE well heads to accommodate free-product removal pumps. • Oversight of ADEQ's installation and start-up of product removal system. 	\$16,904.16
10/6/01-10/26/01, Invoice No. 10408 Vadose Zone Remediation	<ul style="list-style-type: none"> • Continued operation and maintenance of SVE system. • Preparation of monthly SVE system operations report. • Additional start-up activities related to product removal system. 	\$6,184.10
10/27/01-11/30/01, Invoice No. 11855 Vadose Zone Remediation	<ul style="list-style-type: none"> • Continued operation and maintenance of SVE system. • Continued additional start-up activities related to product removal system. • Attend Park-Euclid Community Advisory Board meeting to discuss permit renewal for SVE system. 	\$19,280.75
12/1/01-1/11/02, Invoice No. 15634 Vadose Zone Remediation	<ul style="list-style-type: none"> • Modification of piping in SVE system. • Activities related to new air discharge permit for SVE system. • Operation and maintenance of free product removal system. 	\$24,754.22
	2001 TOTAL:	\$169,869.16

**Park-Euclid WQARF Site
2002 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
1/12/02-2/15/02, Invoice No. 23531 Vadose Zone Remediation	<ul style="list-style-type: none"> • Performed activities related to new air discharge permit for SVE system. • Oversight of ADEQ's RI/FS activities. 	\$4,079.35
2/15/02-3/1/02, Invoice No. 26525 Vadose Zone Remediation	<ul style="list-style-type: none"> • Costs for payment of vendor invoices and labor for coordinating disposal of waste generated during free-product removal program. 	\$374.99
2/1/02-3/1/02, Invoice No. 24005 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Preparation and submittal of draft work plan for Vadose Zone Confirmation Study to Mission for review and approval. 	\$5,244.77
3/2/02-3/29/02, Invoice No. 31549 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Submittal of draft work plan for Vadose Zone Confirmation Study. 	\$776.62
3/30/02-4/26/02, Invoice No. 37221 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Project administration. 	\$20.09
4/27/02-5/31/02, Invoice No. 44761 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • General project oversight and administration. 	\$149.87
6/1/02-6/28/02, Invoice No. 49814 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Preparation of a modified scope of work and preliminary design specifications for Vadose Zone Confirmation Study and Multi-Phase Extraction Pilot Study. 	\$3,314.54
6/29/02-7/26/02, Invoice No. 183826 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Finalize and submit modified scope of work in preliminary design specifications for Vadose Zone Confirmation Study and Multi-Phase Extraction Pilot Study. 	\$3,801.74
7/27/02-8/30/02, Invoice No. 259098 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Continued preparation of investigation work plan for Confirmation Study and Multi-Phase Extraction Pilot test. 	\$11,004.43

8/31/02-9/27/02, Invoice No. 306986 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Respond to ADEQ comments on Work Plan for Vadose Zone Confirmation Study and Multi-Phase Extraction Pilot test. • Prepare and submit well permit applications to Arizona Department of Water Resources. • Preparation of materials to support access requests to Pima County and City of Tucson for installation of temporary soil gas borings. 	\$2,791.59
9/28/02-10/25/02, Invoice No. 310612 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Preparation and submittal of materials in support of access request to Pima County and City of Tucson for installation of temporary soil gas borings. 	\$3,586.50
10/26/02-11/22/02, Invoice No. 351981 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Coordination of access issues with Pima County and City of Tucson for installation of temporary soil gas borings. • Subcontract surveying costs incurred for location of borings to be installed on City and County property. 	\$4,891.17
11/23/02-12/27/02, Invoice No. 357392 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Perform mobilization activities for upcoming field investigation. 	\$1,629.28
2/1/02-3/1/02, Invoice No. 23999 Remediation Support Tasks	<ul style="list-style-type: none"> • Prepare for and attend Park-Euclid Community Advisory Board meeting on 2/28/02. • Attend meeting with ADEQ project manager regarding project status and direction. 	\$5,629.47
3/2/02-3/29/02, Invoice No. 31542 Remediation Support Tasks	<ul style="list-style-type: none"> • Labor and subcontractor costs for disposal of condensate water from SVE system. • Preparation of annual compliance report for SVE system submitted to ADEQ Air Quality Division. • Coordination with Mission representatives and URS engineering staff regarding options for future operation of SVE system. 	\$3,094.98

<p>3/30/02-4/26/02, Invoice No. 37214 Remediation Support Tasks</p>	<ul style="list-style-type: none"> • Preparation for and execution of SVE system start-up including annual permit fee for SVE system operation. • Prepare for and attend meeting with ADEQ in Tucson regarding future options for cleanup of the vadose zone and perched aquifer beneath the Park-Euclid Site. • Preparation of scope of work for continued operation of SVE system. • Coordination with ADEQ regarding issuance of revised discharge permit for on-site SVE system. 	<p>\$9,486.98</p>
<p>4/27/02-5/31/02, Invoice No. 44598 Remediation Support Tasks</p>	<ul style="list-style-type: none"> • Operation, maintenance and monitoring of SVE system following restart subcontractor fees for analyses of vapor samples collected during weekly monitoring events. • Preparation for and attendance at meeting with ADEQ to present Mission's plans for addressing ADEQ's comments on the vadose zone confirmation study work plan and options for cleanup of the perched aquifer. 	<p>\$13,616.03</p>
<p>6/1/02-6/28/02, Invoice No. 50966 Remediation Support Tasks</p>	<ul style="list-style-type: none"> • Respond to alleged Notice of Violation for SVE system from ADEQ Air Quality Division. 	<p>\$937.42</p>
<p>6/1/02-6/28/02, Invoice No. 49807 Soil Vapor Extraction</p>	<ul style="list-style-type: none"> • Restart of SVE system including weekly monitoring. • Preparation of monthly operations report for submittal to ADEQ. • Make repairs to SVE system to ensure compliance with air discharge permit. 	<p>\$7,467.68</p>
<p>6/29/02-7/27/02, Invoice No. 228505 Soil Vapor Extraction</p>	<ul style="list-style-type: none"> • Weekly monitoring of SVE system. • Preparation of monthly operations report for submittal to ADEQ. • Perform unscheduled maintenance on SVE system. • Oversight of system carbon change out. • Expenses for attendance of Community Advisory Board meeting in Tucson. • Attend Technical Advisory Group meeting in Tucson. 	<p>\$12,323.80</p>

7/28/02-8/30/02, Invoice No. 234323 Soil Vapor Extraction	<ul style="list-style-type: none"> • Costs related to carbon vessel rental and laboratory analysis during monitoring of SVE system. • Preparation of monthly operations report for submittal to ADEQ. • Replacement of temperature chart recorder for SVE system. • Vendor charges for change out of activated carbon canisters for SVE system and replacement of carbon in one vessel with zeolite beads. 	\$15,230.18
8/31/02-9/27/02, Invoice No. 305123 Soil Vapor Extraction	<ul style="list-style-type: none"> • Equipment rental reporting and management activities related to SVE system. 	\$1,081.92
9/28/02-10/25/02, Invoice No. 310593 Routine SVE Operations	<ul style="list-style-type: none"> • Reporting and management activities related to SVE system. 	\$579.90
10/26/02-11/22/02, Invoice No. 327743 Routine SVE Operations	<ul style="list-style-type: none"> • Equipment rental, reporting and management activities related to SVE system. 	\$1,134.79
11/23/02-1/24/03, Invoice No. 369821 Routine SVE Operations	<ul style="list-style-type: none"> • Equipment rental and purchase, reporting and management activities related to SVE system. 	\$6,584.04
	2002 TOTAL:	\$118,832.13

**Park-Euclid WQARF Site
2003 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
12/28/02-1/24/03, Invoice No. 387295 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Execution of the Vadose Zone Confirmation Study Field Program. 	\$18,243.31
1/25/03-2/28/03, Invoice No. 423896 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Completion of Vadose Zone Confirmation Study Field Investigation. 	\$23,159.40
3/1/03-3/28/03, Invoice No. 465441 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Costs incurred for subcontractor work performed during the Vadose Zone Confirmation Study Field Investigation. • Interpretation of data collected during the Field Investigation. 	\$72,815.27
3/29/03-4/25/03, Invoice No. 499866 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Subcontractor laboratory costs for soil gas analyses. • Execution of the bail-down portion of the multi-phase extraction pilot test. • Attend insurance carrier meeting in Tucson. 	\$33,380.18
4/26/03-5/30/03, Invoice No. 547206 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Preparation of the draft Vadose Zone Confirmation Study Report. • Accompany ADEQ's consultant, Miller-Brooks during the final quarterly sampling event of FY2003. 	\$12,876.46
5/31/03-6/27/03, Invoice No. 590412 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Installation of the pilot test multi-phase extraction well. • Continued preparation of draft Vadose Zone Confirmation Study Report. 	\$16,437.28
6/28/03-7/25/03, Invoice No. 637414 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Continued preparation of draft Vadose Zone Confirmation Study Report and submittal to Mission for review. 	\$5,164.47

7/26/03-8/29/03, Invoice No. 687832 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Installation of the pilot test extraction well. • Preparation and submittal of the final Vadose Zone Confirmation Study Report to ADEQ. 	\$11,678.59
8/30/03-9/26/03, Invoice No. 728740 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Execution of the multi-phase extraction pilot test. 	\$41,579.30
9/27/03-10/31/03, Invoice No. 784685 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Interpretation of multi-phase extraction pilot test results. • Initial preparation of draft pilot test report. 	\$47,602.11
11/1/03-11/28/03, Invoice No. 812210 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Continued interpretation of multi-phase extraction pilot test results. • Continued preparation of draft pilot test report. 	\$13,274.40
11/29/03-12/26/03, Invoice No. 849284 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Conduct waste handling activities associated with investigation derived waste. • Submittal of final multi-phase extraction pilot test report. 	\$7,663.18
1/25/03-2/28/03, Invoice No. 423898 Routine SVE Operations	<ul style="list-style-type: none"> • Equipment rental, travel expenses, laboratory charges and management activities associated with SVE system. 	\$6,962.13
3/1/03-3/28/03, Invoice No. 474691 Routine SVE Operations	<ul style="list-style-type: none"> • Permitting and management activities associated with SVE system. 	\$2,011.69
3/29/03-4/25/03, Invoice No. 499868 Routine SVE Operations	<ul style="list-style-type: none"> • Equipment rental permitting costs associated with SVE system. • Attend quarterly CAB meeting. • Attend insurance carrier status meeting hosted by Mission in Tucson. 	\$13,171.18
4/26/03-5/30/03, Invoice No. 576176 Routine SVE Operations	<ul style="list-style-type: none"> • Equipment rental and project management associated with SVE system. 	\$1,028.57
5/31/03-6/27/03, Invoice No. 590414 Routine SVE Operations	<ul style="list-style-type: none"> • Equipment rental and project administration associated with SVE system. 	\$509.58
6/28/03-7/25/03, Invoice No. 637416 Routine SVE Operations	<ul style="list-style-type: none"> • Equipment rental and project administration associated with SVE system. 	\$406.58
7/26/03-8/29/03, Invoice No. 687834 Routine SVE Operations	<ul style="list-style-type: none"> • SVE system equipment rental. • Attend Park-Euclid Community Advisory Board meeting. 	\$2,534.56

8/30/03-9/26/03, Invoice No. 687834 Routine SVE Operations	<ul style="list-style-type: none"> Labor and expenses incurred during Park-Euclid Community Advisory Board meeting in August 2003. 	\$2,084.39
9/27/03-10/31/03, Invoice No. 784686 Routine SVE Operations	<ul style="list-style-type: none"> Attendance at WQARF Advisory Board meeting. Subcontractor costs for SVE system carbon vessel rental. 	\$1,524.13
11/1/03-11/28/03, Invoice No. 812211 Routine SVE Operations	<ul style="list-style-type: none"> SVE project management activities. Subcontractor costs for SVE system carbon vessel rental. 	\$728.98
	2003 TOTAL:	\$334,835.74

**Park-Euclid WQARF Site
2004 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
12/27/03-1/30/04, Invoice No. 849284 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Handling and disposal of investigation derived waste. 	\$7,252.97
1/31/04-2/27/04, Invoice No. 967940 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Investigation derived waste disposal activities and project management. 	\$803.18
2/28/04-3/26/04, Invoice No. 1007246 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Investigation derived waste handling and disposal. • Project management activities. 	\$1,372.08
3/27/04-4/30/04, Invoice No. 1065509 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Investigation derived waste handling and disposal. • Project management. 	\$504.19
5/1/04-5/28/04, Invoice No. 1147252 Vadose Zone Confirmation Study	<ul style="list-style-type: none"> • Project management. 	\$143.17
11/28/03-1/30/04, Invoice No. 889551 Routine SVE Operations	<ul style="list-style-type: none"> • Preparation of compliance report. • Project management. • Subcontractor costs for carbon vessel rental. 	\$1,051.53
1/31/04-2/27/04, Invoice No. 967941 Routine SVE Operations	<ul style="list-style-type: none"> • Preparation of compliance report. • Project management. 	\$2,271.15
2/28/04-3/26/04, Invoice No. 1007247 Routine SVE Operations	<ul style="list-style-type: none"> • Subcontractor charges for waste profiling and disposal. • Monthly rental of carbon canisters. • Preparation of detailed scope of work for future SVE and multi-phase extraction work. 	\$6,842.07
3/27/04-4/30/04, Invoice No. 1140206 Routine SVE Operations	<ul style="list-style-type: none"> • Review of historical indoor air sampling results and preparation of detailed scope of work for new indoor air sampling. • Carbon vessel rental fees. • Project management. 	\$1,878.79

5/1/04-5/28/04, Invoice No. 1147253 Routine SVE Operations	<ul style="list-style-type: none"> • Equipment carbon canister equipment rental. • Project management. • Preparation and payment of Mission small quantity hazardous waste generator fee. 	\$986.39
5/29/04-7/2/04, Invoice No. 1228127 Routine SVE Operations	<ul style="list-style-type: none"> • Costs associated with disposal of waste generated during previous SVE activities. 	\$224.16
5/1/04-5/28/04, Invoice No. 1147260 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Project start-up. • Indoor air sampling and analyses. • Attend Park-Euclid Community Advisory Board meeting. • Project kick-off meeting. 	\$13,223.69
5/29/04-7/2/04, Invoice No. 1199673 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Preparation for SVE start-up. • Update site-specific health and safety plan. • Perform multi-phase extraction system design and permitting. • Project management. 	\$19,138.04
7/3/04-7/30/04, Invoice No. 1232906 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • SVE start-up. • Quarterly soil vapor monitoring. • Continue with MPE system design and permitting. • Project management. 	\$21,880.37
7/31/04-8/27/04, Invoice No. 1287373 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • SVE start-up activities. • MPE system design and permitting. • Review draft Remedial Investigation Report for the Park-Euclid site prepared by ADEQ. 	\$39,559.89
8/28/04-10/1/04, Invoice No. 1287373 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Routine SVE operation. • MPE system design and permitting. • Attend ADEQ public meeting regarding Park-Euclid Remedial Objectives. • Develop final comments to draft Remedial Investigation Report. • Prepare recommendations regarding Remedial Objectives. 	\$56,437.10

10/2/04-10/29/04, Invoice No. 1397984 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Perform routine SVE operation. • MPE system design and permitting. • Preparation of draft quarterly soil vapor monitoring report. 	\$16,716.53
10/30/04-11/26/04, Invoice No. 1420665 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Routine SVE operation. • MPE system design and permitting. • Preparation of draft quarterly soil vapor monitoring report. 	\$17,131.53
11/27/04-12/31/04, Invoice No. 1458820 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Routine SVE operation. • MPE system design and permitting. • MPE drilling and well construction. • Initial interpretation of quarterly soil vapor monitoring data. • Design and permitting of abandonment and replacement of sanitary sewer line from which prior hazardous substance releases had occurred. 	\$35,238.27
	2004 TOTAL:	\$242,655.10

**Park-Euclid WQARF Site
2005 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
1/1/05-1/28/05, Invoice No. 1565112 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Preparation of annual compliance certification report for SVE air permit. • Conduct routine SVE operation. • Preparation of quarterly soil vapor monitoring report. • Perform on-call SVE maintenance. • Continued MPE system design and permitting. • MPE drilling and well construction. • Design and permitting of abandonment and replacement of sanitary sewer line. 	\$48,702.18
1/29/05-3/4/05, Invoice No. 1608197 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Continued MPE system design and permitting. • Restart of SVE system. • Conduct routine SVE operation. • Design and permitting of abandonment and replacement of sanitary sewer line. 	\$65,198.80
3/5/05-4/1/05, Invoice No. 1639376 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Continued routine SVE operation and maintenance. • Annual permit fee for portable SVE unit. 	\$21,501.95
4/2/05-4/29/05, Invoice No. 1676643 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Continued routine SVE operation and maintenance. • Quarterly soil vapor reporting. • MPE system design. • Waste handling activities. • Sanitary sewer design and permitting. 	\$28,246.14
4/30/05-5/27/05, Invoice No. 1723979 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Continued routine SVE operation and maintenance. • MPE system design and procurement. • Waste handling. • Sanitary sewer design and permitting. 	\$18,960.78

<p>5/28/05-7/1/05, Invoice No. 1792153 Soil Vapor Extraction/Multi-Phase Extraction</p>	<ul style="list-style-type: none"> • Continued routine SVE operation and maintenance. • Initial preparation of quarterly soil vapor monitoring report. • MPE system design and procurement. • Sanitary sewer permitting. 	<p>\$34,542.20</p>
<p>7/2/05-7/29/05, Invoice No. 1833005 Soil Vapor Extraction/Multi-Phase Extraction</p>	<ul style="list-style-type: none"> • Continued routine SVE operation and maintenance. • Preparation and submittal of quarterly soil vapor monitoring report. • MPE system design. • Sanitary sewer permitting. 	<p>\$40,458.17</p>
<p>7/30/05-8/26/05, Invoice No. 1876324 Soil Vapor Extraction/Multi-Phase Extraction</p>	<ul style="list-style-type: none"> • Continued routine SVE operation and maintenance. • MPE system design and procurement. • Mobilization for construction oversight of sanitary sewer replacement. 	<p>\$27,671.93</p>
<p>8/26/05-9/30/05, Invoice No. 1936090 Soil Vapor Extraction/Multi-Phase Extraction</p>	<ul style="list-style-type: none"> • Delivery of completed MPE treatment system to the site. • Continued routine SVE operation and maintenance. • MPE system design and procurement. • Health and safety monitoring and construction oversight for sanitary sewer replacement. • Subcontractor costs for construction and delivery of MPE system. 	<p>\$173,645.55</p>
<p>10/1/05-10/28/05, Invoice No. 2005333 Soil Vapor Extraction/Multi-Phase Extraction</p>	<ul style="list-style-type: none"> • Continued routine SVE system operation and maintenance. • Continued MPE system design activities. • Health and safety monitoring and construction oversight for sanitary sewer replacement. 	<p>\$37,931.96</p>
<p>10/29/05-12/2/05, Invoice No. 2058813 Soil Vapor Extraction/Multi-Phase Extraction</p>	<ul style="list-style-type: none"> • Continued routine SVE system operation and maintenance. • Continued MPE system design activities. • Health and safety monitoring and construction oversight for sanitary sewer replacement and design work for replacement bathroom necessitated by sewer replacement work. 	<p>\$41,207.59</p>

12/3/05-12/30/05, Invoice No. 2087384 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Continued routine SVE system operation and maintenance. • Continued MPE system design and permitting. • Replacement bathroom design work. • Health and safety monitoring during installation of new washers at the plant. 	\$40,292.36
	2005 TOTAL:	\$578,359.61

**Park-Euclid WQARF Site
2006 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
12/31/05-1/27/06, Invoice No. 2144342 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Continued routine SVE operation and maintenance. • Continued MPE system design and permitting. • Bathroom design work associated with replacement sewer. • Health and safety monitoring during washer installation work. 	\$33,600.96
1/28/06-3/3/06, Invoice No. 2199925 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Continued routine SVE operation and maintenance. • Routine maintenance of SVE system while evaluating impact of UofA pilot study on SVE system operation. • Subcontractor charges during carbon change out of SVE system. • Air permitting activities for MPE system. • Permitting activities for sewer in the boiler room area. 	\$25,696.34
3/4/06-3/31/06, Invoice No. 2244614 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Continued MPE system design and permitting. • Preparation and attendance at Park-Euclid Community Advisory Board meeting. • Continued work on bathroom replacement. 	\$28,082.64
4/1/06-4/28/06, Invoice No. 2275617 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Continued MPE system design and permitting. • Replacement bathroom design and permitting. 	\$7,355.80
4/29/06-6/2/06, Invoice No. 2339326 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Continued MPE system design and permitting. • Continued design and permitting work regarding replacement bathroom. • Weekly monitoring of SVE system. • Rental for carbon vessels. 	\$9,276.20

6/3/06-6/30/06, Invoice No. 2369409 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Preparation for and presentation at Park-Euclid Community Advisory Board meeting. • Preparation of bid package for MPE system construction. 	\$3,318.66
7/1/06-7/28/06, Invoice No. 2424025 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Preparation of revised estimates for completion of multi-phase extraction program. 	\$3,321.47
7/29/06-9/1/06, Invoice No. 2479909 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Obtain revised bids for MPE construction. • Subcontracting associated with sanitary sewer design. • Preparation of revised design for replacement bathroom. 	\$7,294.72
9/2/06-9/29/06, Invoice No. 2508541 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Obtain revised bids for MPE construction. • Subcontracting associated with sanitary sewer design. • Preparation of revised design for replacement bathroom. 	\$2,655.34
9/30/06-10/27/06, Invoice No. 2555572 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Renewal of building permit for MPE system. • Subcontracting associated with sanitary sewer design. • Coordination with Mission's contractors regarding placement bathroom construction. 	\$3,572.82
10/28/06-12/1/06, Invoice No. 2612295 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Coordination with Mission's contractors regarding replacement bathroom construction. 	\$2,543.45
12/2/06-12/29/06, Invoice No. 2646967 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Subcontract architectural services with respect to design and permitting of replacement bathroom. 	\$7,933.03
	2006 TOTAL:	\$134,651.43

**Park-Euclid WQARF Site
2007 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
12/30/06-2/2/07, Invoice No. 2709123 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Subcontract architectural services with respect to design and permitting of replacement bathroom. • Preparation of annual compliance certification report. • Preparation of justification for increased engineering costs of MPE system design. • Construction oversight for replacement sanitary sewer construction. 	\$7,309.59
2/3/07-3/2/07, Invoice No. 2753586 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Rental fees for carbon vessels. • Construction oversight for replacement sanitary sewer construction. 	\$3,723.03
3/3/07-3/30/07, Invoice No. 2789925 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Preparation of annual emissions inventory for SVE system. • Rental fees for SVE carbon vessels. • Costs associated with disposal of carbon and return of carbon vessels for SVE system to vendor. 	\$3,471.52
3/31/07-4/27/07, Invoice No. 2826705 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Prepare revised bid specifications for construction. • Submit bid request to contractors. 	\$2,178.14
4/28/07-6/1/07, Invoice No. 2882622 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Review revised bids from construction contractors. • Develop revised cost projections to complete project. • URS payment of subcontractor costs for disposal of waste carbon from MPE system. 	\$9,228.17
6/2/07-6/29/07, Invoice No. 2921143 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Review Miller-Brooks presentation materials regarding feasibility study and discuss results with Mission. 	\$1,369.90

6/30/07-7/27/07, Invoice No. 2962807 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • General project management in preparation for upcoming multi-phase extraction project. 	\$793.10
7/28/07-8/31/07, Invoice No. 3025362 Soil Vapor Extraction/Multi-Phase Extraction	<ul style="list-style-type: none"> • Preparation of work order and contract materials as well as mobilization activities associated with upcoming multi-phase extraction project. 	\$2,193.90
9/1/07-9/28/07, Invoice No. 3082549 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • General project management and administration. 	\$1,534.70
9/29/07-11/2/07, Invoice No. 3125148 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • Subcontractor procurement. • Internal project kick-off meeting for MPE construction • Coordination and meeting with plant staff regarding upcoming construction activities. 	\$6,772.53
11/3/07-11/30/07, Invoice No. 3161883 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • Subcontractor procurement. • On-site kick-off meeting for MPE construction. • Mobilization for construction task. • Preparation of updated health and safety plan for MPE construction. 	\$13,498.94
12/1/07-12/28/07, Invoice No. 3196102 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • Labor and expenses for MPE construction and project management and administration 	\$12,295.73
	2007 TOTAL:	\$64,369.25

**Park-Euclid WQARF Site
2008 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
12/29/07-2/1/08, Invoice No. 3255896 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • Procurement activities. • MPE construction. • Project management and administration 	\$23,782.55
2/2/08-2/29/08, Invoice No. 3301861 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • MPE construction. • Attend Park-Euclid Community Advisory Board meeting. 	\$75,608.31
3/1/08-3/28/08, Invoice No. 3335094 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • MPE construction. • Community involvement activities. 	\$100,077.03
3/29/08-5/2/08, Invoice No. 3409426 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • MPE construction. • MPE start-up. • Community involvement activities. 	\$192,526.84
5/3/08-5/30/08, Invoice No. 3435188 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • MPE start-up. • Development of MPE system operation and maintenance manual. • Community involvement activities. 	\$161,087.19
5/31/08-6/27/08, Invoice No. 3469308 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • MPE start-up. • MPE equipment troubleshooting. • Continued development of MPE operation and maintenance manual. 	\$14,911.92
6/28/08-8/1/08, Invoice No. 3556280 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • Subcontractor costs for MPE start-up activities and equipment replacement. • Continued development of MPE operation and maintenance manual. 	\$49,220.85
8/2/08-8/29/08, Invoice No. 3559988 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • MPE start-up activities. • Continued development of MPE operation and maintenance manual. 	\$11,378.82

8/30/08-9/26/08, Invoice No. 3590807 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • Costs for continued MPE startup activities including subcontractor costs • Finalizing as-built drawings for the MPE system • Initial routine MPE system operation 	\$10,346.09
9/27/08-10/31/08, Invoice No. 3640888 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • Labor, expenses, and subcontractor costs for trouble-shooting operational problems with the MPE system • Preparing the quarterly report for Pima County • Disposal of waste generated by the MPE system 	\$19,474.32
11/1/08-11/28/08, Invoice No. 3672144 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • Trouble-shooting operational problems with the MPE system • Routine operation and monitoring of the MPE system 	\$5,354.42
11/29/08-1/2/09, Invoice No. 3713742 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • Labor and subcontractor costs for trouble-shooting operational problems with the MPE system • Routine operation and monitoring of the MPE system 	\$15,279.99
	2008 TOTAL:	\$679,048.33

**Park-Euclid WQARF Site
2009 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
1/3/09-1/30/09, Invoice No. 3754526 Multi-Phase Extraction System Construction	<ul style="list-style-type: none"> • Labor and subcontractor costs for trouble-shooting and repairing problems with the MPE system • Routine operation and monitoring of the MPE system 	\$18,589.92
1/31/09-2/27/09, Invoice No. 3796161 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor and supplies for modifications to the MPE system • Labor and laboratory costs for operation and monitoring of the MPE system 	\$21,060.47
2/28/09-4/3/09, Invoice No. 3844022 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor and equipment for operation and monitoring of the MPE system • Labor for waste management 	\$12,226.09
4/4/09-5/1/09, Invoice No. 3884613 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor for initial preparation of the final operations report for the MPE system • Labor and equipment for operation and monitoring of the MPE system and for waste management 	\$19,779.47
5/2/09-5/29/09, Invoice No. 3918614 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor, equipment, laboratory testing, and utility payments for operation and monitoring of the MPE system • Labor and laboratory profiling costs and for waste management 	\$14,062.66
5/30/09-7/3/09, Invoice No. 3961173 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor, equipment, waste disposal, and utility payments associated with preparation of the final MPE operations Report • Operation and monitoring of the MPE system including waste management and disposal 	\$38,045.69
7/4/09-7/31/09, Invoice No. 3998891 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor, utilities, and laboratory analytical costs associated with preparation of the final MPE operations report • Operation and monitoring of the MPE system including waste management and disposal 	\$18,185.69
8/1/09-8/28/09, Invoice No. 4035475 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor for preparation of the final MPE operations report • Labor and laboratory analytical costs incurred for management of waste generated by the MPE system. 	\$9,297.42

8/29/09-10/02/09, Invoice No. 4075500 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor for preparation of the final MPE operations report • Labor and laboratory analytical costs incurred for management of waste generated by the MPE system. 	\$3,919.08
10/3/09-10/30/09, Invoice No. 4109716 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor for revisions to the final MPE operations report • Development of the Scope of Work for the upcoming agreement with ADEQ. 	\$12,323.35
10/31/09-11/27/09, Invoice No. 4147607 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor for finalizing and submitting the MPE operations report to ADEQ • Revisions to the Scope of Work for the upcoming agreement with ADEQ based on RP comments. 	\$8,823.95
11/28/09-1/1/10, Invoice No. 4180723 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor for periodic site visits for MPE system maintenance • Project management and quality assurance activities. 	\$1,520.99
	2009 TOTAL:	\$177,834.78

**Park-Euclid WQARF Site
2010 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
1/2/10-1/29/10, Invoice No. 4210505 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Payment of the annual air permitting fee for the MPE system 	\$6,141.00
1/30/10-2/26/10, Invoice No. 4240878 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Routine maintenance of the MPE system • Permitting activities 	\$1,729.74
2/27/10-4/2/10, Invoice No. 4275333 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor incurred while working with plant staff on the renewal of the wastewater treatment permit • Submittal of the annual report required by the poor quality groundwater withdrawal permit • Development of a listing of reports for ADEQ of past remedial activities at the site. 	\$3,766.79
4/3/10-4/30/10, Invoice No. 4303754 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor incurred while performing general project management tasks relating to current scope and while planning for upcoming activities at the site. 	\$924.83
5/1/10-5/28/10, Invoice No. 4332456 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor incurred while researching the origin of a hazardous waste shipment from the site 	\$961.56
5/29/10-7/2/10, Invoice No. 4366952 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor incurred while preparing and transmitting historical project documents to ADEQ at their request for evaluation of the early response action performed by Mission to date. 	\$2,909.47
7/3/10-7/30/10, Invoice No. 4394868 Multi-Phase Extraction System Construction and Operation	<ul style="list-style-type: none"> • Labor incurred while developing the scope of work for upcoming activities at the Site • Supporting plant staff with respect to waste handling activities. 	\$1,767.19
7/31/10-8/27/10, Invoice No. 4423405 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor incurred while preparing for and attending the project kickoff meeting in Phoenix and while performing an evaluation of the current monitoring network at the Site. 	\$8,562.93

8/28/10-10/1/10, Invoice No. 4456053 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor incurred for activities associated with preparation of the Early Response Action (ERA) and Long Term Monitoring (LTM) work plans. 	\$30,262.63
10/2/10-10/29/10, Invoice No. 4488708 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor incurred for activities associated with preparation of the draft Long Term Monitoring (LTM) work plan and for initial review of historical documents and other data 	\$16,176.29
10/30/10-11/26/10, Invoice No. 4518392 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor incurred while preparing RP responses to comments from ADEQ on the draft Long Term Monitoring (LTM) and the Early Response Action (ERA) work plans • Preparing and submitting the final LTM work plan to ADEQ • Review of historical documents and other data • Compiling historical data and importing these data into the project database 	\$17,289.95
11/27/10-12/31/10, Invoice No. 4550579 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor incurred while finalizing and submitting the Early Response Action (ERA) work plan • Supporting RPs and ADEQ in the preparation of access agreements for well sampling • Perform review of existing data for the site and begin the evaluation of potential data gaps. 	\$23,270.65
	2010 TOTAL:	\$113,763.03

**Park-Euclid WQARF Site
2011 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
1/1/11-1/28/11, Invoice No. 4578839 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Annual fee from Pima County for air discharge permit associated with the Multi-Phase Extraction (MPE) system • Labor incurred while supporting the RPs and ADEQ in preparing access agreements • Well sampling • Evaluation and interpretation of existing site data and evaluation of potential data gaps 	\$42,988.83
1/29/11-2/25/11, Invoice No. 4612401 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Evaluation and interpretation of existing site data and evaluation of potential data gaps • General project management activities. 	\$6,995.57
2/26/11-4/1/11, Invoice No. 4643570 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor incurred while procuring materials needed to perform mechanical MPE system upgrades and maintenance • Evaluation and interpretation of existing site data and evaluation of potential data gaps • General project management activities 	\$9,301.50
4/2/11-4/29/11, Invoice No. 4671951 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Perform mechanical MPE system upgrades and maintenance • Finalize evaluation of existing data for the site • Performing general project management activities 	\$14,055.69
4/30/11-5/27/11, Invoice No. 4708612 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor and equipment costs incurred while performing mechanical and electrical MPE system upgrades • MPE pre-startup activities • Task management. 	\$17,362.86
5/28/11-7/1/11, Invoice No. 4743027 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor and equipment costs incurred while designing electrical MPE system upgrades • Perform MPE pre-startup activities • Mobilization for the groundwater monitoring program, initial well inspection and water-level measurements • Task management. 	\$34,580.18

7/2/11-7/29/11, Invoice No. 4775974 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor and equipment costs incurred during MPE pre-startup activities • Perform baseline groundwater monitoring event • Task management 	\$44,510.23
7/30/11-8/26/11, Invoice No. 4806346 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor and equipment costs incurred during MPE startup activities • Complete baseline groundwater monitoring event • Perform initial interpretation of data from the baseline monitoring event • Task management. 	\$38,302.86
8/27/11-10/2/11, Invoice No. 4840216 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor and equipment costs incurred during MPE startup activities • Complete monthly groundwater monitoring activities • Performing interpretation of data from the baseline monitoring event • Task management. 	\$43,956.72e
10/3/11-10/28/11, Invoice No. 4874532 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor and equipment costs incurred during MPE startup activities and Remove pumps from the Regional Aquifer monitoring wells • Prepare baseline monitoring report • Performing task management 	\$35,515.45
10/29/11-11/25/11, Invoice No. 4914520 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, equipment, and subcontractor costs incurred during MPE startup • Routine MPE operation and maintenance activities • Deploy passive diffusion samplers in site monitoring wells • Performing monthly and quarterly groundwater monitoring • Prepare baseline monitoring report 	\$35,275.90
11/26/11-12/30/11, Invoice No. 4938708 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, equipment, and subcontractor costs incurred during routine operation and maintenance of the MPE system • Perform monthly and quarterly groundwater monitoring • Prepare baseline monitoring report 	\$39,366.11
	2011 TOTAL:	\$110,157.46

**Park-Euclid WQARF Site
2012 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
12/31/11-1/27/12, Invoice No. 4985968 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, supplies, and equipment costs incurred during routine operation and maintenance of the MPE system • Perform monthly and quarterly groundwater monitoring • Evaluate contamination from monitoring well PER-14A 	\$40,427.26
1/28/12-3/2/12, Invoice No. 5031949 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, supplies, and equipment costs incurred during routine operation and maintenance of the MPE system • Perform monthly, quarterly, and semi-annual monitoring • Perform initial development of the Feasibility Study work plan 	\$54,436.57
3/3/12-3/30/12, Invoice No. 5054840 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, supplies, equipment, and subcontractor costs incurred during design of upgrades to the electrical controls for the MPE system • Operation and maintenance of the MPE system • Performing monthly monitoring • Develop draft Feasibility Study work plan 	\$57,308.64
3/31/12-4/27/12, Invoice No. 5093616 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, supplies, equipment, and subcontractor costs incurred during operation and maintenance of the MPE system • Routine monitoring • Preparation of the semi-annual monitoring report • Development of the draft Feasibility Study work plan 	\$44,296.09
4/28/12-6/1/12, Invoice No. 5140494 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, supplies, equipment, and subcontractor costs incurred during operation and maintenance of the MPE system • Routine monitoring • Preparation of the semi-annual monitoring report • Development and submittal of the draft Feasibility Study work plan 	\$32,127.94

6/2/12-6/29/12, Invoice No. 5167347 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, supplies, equipment, and subcontractor costs incurred during routine and non-routine operation and maintenance of the MPE system • Routine monitoring • Preparation of the semiannual monitoring report 	\$25,337.45
6/30/12-7/27/12, Invoice No. 5197256 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, supplies, equipment, and subcontractor costs incurred during routine and non-routine operation and maintenance of the MPE system • Routine monitoring • Preparation of the semiannual monitoring report 	\$37,831.42
7/27/12-8/31/12, Invoice No. 5262287 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, supplies, equipment, and subcontractor costs incurred during routine and non-routine operation and maintenance of the MPE system • Routine monitoring • Permit reporting • Preparation and submittal of response to comments on the feasibility study (FS) work plan • Interpretation of data from the semi-annual monitoring event 	\$42,427.28
9/1/12-9/28/12, Invoice No. 5269884 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, supplies, equipment, and subcontractor costs incurred during routine and non-routine operation and maintenance of the MPE system • Routine monitoring • Permit reporting • Preparation of the semi-annual monitoring report 	\$31,351.39
9/29/12-10/26/12, Invoice No. 5328213 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, supplies, equipment, and subcontractor costs incurred during routine monitoring, permit reporting, and preparation of the semi-annual monitoring report • Subcontractor fees incurred during the previous month's MPE system operation and maintenance 	\$38,129.08
10/27/12-11/23/12, Invoice No. 5337991 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, supplies, equipment, and subcontractor costs incurred during routine monitoring, permit reporting, and preparation of the semi-annual monitoring report • Subcontractor fees incurred during the previous month's MPE system operation and maintenance 	\$10,743.36

11/24/12-12/30/12, Invoice No. 5371225 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, agency fees, and supplies incurred during preparation for restart of the MPE system • Routine monitoring • Permitting 	\$20,833.45
	2012 TOTAL:	\$435,249.93

**Park-Euclid WQARF Site
2013 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
12/31/12-1/25/13, Invoice No. 5445050 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, equipment, and supplies incurred during routine operation of the MPE system and routine monitoring • Labor incurred during preparation and submittal of the draft final feasibility study work plan • Labor incurred during preparation for and presenting at the Park-Euclid Community Advisory Board meeting hosted by ADEQ 	\$20,560.18
1/26/13-2/22/13, Invoice No. 5453689 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor and subcontractor costs incurred during routine operation of the MPE system and routine monitoring 	\$50,224.06
2/23/13-3/29/13, Invoice No. 5475834 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor and subcontractor costs incurred during routine and on-call operation and maintenance of the MPE system • Routine monitoring associated with the long-term monitoring program 	\$56,980.96
3/30/13-4/26/13, Invoice No. 5503950 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor and subcontractor costs incurred during routine and on-call operation and maintenance of the MPE system • Initial preparation of the semi-annual monitoring report for the site 	\$41,220.49
4/27/13-5/24/13, Invoice No. 5533758 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, subcontractor, and utility costs incurred during routine and on-call operation and maintenance of the MPE system • Labor incurred during preparation for and attendance at a Community Advisory Board (CAB) meeting for the Site • Labor incurred during preparation of the semi-annual monitoring report for the Site 	\$28,151.12
5/25/13-6/28/13, Invoice No. 5572203 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, subcontractor, and utility costs incurred during routine and on-call operation and maintenance of the MPE system • Labor incurred during performance of the quarterly monitoring event at the Site • Labor incurred during preparation of the semi-annual monitoring report for the Site 	\$46,545.40

6/29/13-7/26/13, Invoice No. 5602038 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, subcontractor, and utility costs incurred during routine operation and maintenance of the MPE system • Labor incurred during routine long-term monitoring activities • Labor incurred during preparation of the semi-annual monitoring report for the Site 	\$13,446.62
7/27/13-8/23/13, Invoice No. 5631460 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, subcontractor, and utility costs incurred during routine operation and maintenance of the MPE system • Labor incurred during performance of the second semi-annual long-term monitoring event for the Site 	\$34,513.56
8/24/13-9/27/13, Invoice No. 5665361 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, subcontractor, and utility costs incurred during routine operation and maintenance of the MPE system • Laboratory costs associated with the most recent quarterly monitoring event • Labor, equipment, and laboratory costs associated with the second 2013 semi-annual long-term monitoring event for the Site 	\$40,163.32
9/28/13-10/25/13, Invoice No. 5692150 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, subcontractor, and utility costs incurred during routine operation and maintenance of the MPE system • Labor incurred for initial tasks associated with the feasibility study • Laboratory costs associated with the second 2013 semi-annual long-term monitoring event for the Site 	\$38,079.24
10/26/13-11/29/13, Invoice No. 5723272 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, subcontractor, laboratory, and utility costs incurred during routine operation and maintenance of the MPE system • Labor incurred for tasks associated with the feasibility study • Labor incurred during preparation of the second 2013 draft semi-annual long-term monitoring report for the Site 	\$59,907.83
11/30/13-1/3/14, Invoice No. 5758103 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, subcontractor, laboratory, and utility costs incurred during routine operation and maintenance of the MPE system • Labor incurred for tasks associated with the feasibility study 	\$40,291.70
	2013 TOTAL:	\$470,084.48

**Park-Euclid WQARF Site
2014 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
1/4/14-1/31/14, Invoice No. 5787664 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, subcontractor, laboratory, and utility costs incurred during routine operation and maintenance of the MPE system • Execution of the SVE and bio-augmentation pilot tests being performed as a component of the feasibility study • Preparation and submittal of the semi-annual monitoring report for the Site 	\$30,980.71
2/1/14-2/28/14, Invoice No. 5839734 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, subcontractor, laboratory, and utility costs incurred during routine operation and maintenance of the MPE system • Labor for groundwater modeling • Subcontractor costs incurred during bio-augmentation pilot testing being performed as a component of the feasibility study • Preparation and submittal of the semi-annual monitoring report for the Site 	\$40,102.11
3/1/14-4/4/14, Invoice No. 5851845 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor, subcontractor, laboratory, and utility costs incurred during routine operation and maintenance of the MPE system • Labor for preparation of a groundwater modeling technical memorandum • Subcontractor costs incurred during bio-augmentation and SVE pilot testing being performed as a component of the feasibility study for the Site 	\$68,094.38

<p>4/5/14-5/2/14, Invoice No. 5878872 Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Subcontractor, laboratory, and utility costs incurred during routine operation and maintenance of the MPE system • Labor for review of comments from ADEQ on the groundwater monitoring program and the groundwater modeling technical memorandum • Preparation of responses to these comments on behalf of the Group • Labor incurred during preparation for and attendance at technical progress meeting with ADEQ in Phoenix • Performance of the biannual monitoring event for the Site 	<p>\$55,254.59</p>
<p>5/3/14-5/30/14, Invoice No. 5928476 Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Subcontractor costs incurred during routine operation and maintenance of the MPE system • Labor incurred during preparation of the annual monitoring report for the site • Labor and subcontractor costs associated with performance of the lower vadose zone soil vapor extraction pilot test and preparation of the associated report 	<p>\$67,154.84</p>
<p>5/31/14-7/4/14, Invoice No. 5941195 Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Laboratory costs incurred for analyses of samples from the biannual monitoring event • Labor incurred during preparation of the annual monitoring report for the site • Labor incurred during installation and sampling of soil gas probes as a component of the vapor intrusion study 	<p>\$36,068.27</p>
<p>7/5/14-8/1/14, Invoice No. 5970758 Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Labor and expenses incurred during installation of two Regional Aquifer groundwater monitoring wells at the Site 	<p>\$50,293.25</p>
<p>8/2/14-8/29/14, Invoice No. 5998105 Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Labor and expenses for change out of the active carbon used to treat vapors extracted from the subsurface at 301 South Park Avenue • Labor for performance of the vapor intrusion risk assessment • Labor and expenses for completion of the installation, development, and sampling of the new Regional Aquifer monitoring wells at the Site 	<p>\$43,850.10</p>

8/31/14-10/3/14, Invoice No. 6030551 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor and expenses incurred for coordinating the disposal of waste generated at the site • Performing the human health risk assessment and preparing the associated report • Updating the groundwater model for the site • Attending a meeting with ADEQ to present the groundwater model results • Preparing the graphic logs for the new monitoring wells at the site • Preparing and submitting the final bioremediation pilot test report for the site • Performing the semi-annual groundwater monitoring event • Preparing for and attending a Community Advisor Board meeting in Tucson 	\$69,748.28
10/4/14-10/31/14, Invoice No. 6063987 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Payment of the subcontractor invoice for drilling and installation of the two new Regional Aquifer monitoring wells at the Site • Permitting related to the lower vadose zone soil vapor extraction system • Subcontractor costs associated with disposal of spent carbon from the MPE system 	\$131,947.92
11/1/14-11/28/14, Invoice No. 6121275 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Payment of the subcontractor invoice for disposal of waste petroleum product generated by the MPE system • Developing remedial alternatives for the Feasibility Study • Performing modeling of remedial scenarios to support the Feasibility Study 	\$37,971.18
11/29/14-1/2/15, Invoice No. 6135318 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Remedial design and construction of the lower vadose zone (LVZ) soil vapor extraction (SVE) system • Estimating costs of remedial alternatives proposed in the Feasibility Study • Development of presentation materials that were later presented to the Community Advisor Board (CAB) in the January 2015 meeting 	\$30,050.06
	2014 TOTAL:	\$661,515.69

**Park-Euclid WQARF Site
2015 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
1/3/15-1/30/15, Invoice No. 6162777 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Construction and startup of the lower vadose zone (LVZ) soil vapor extraction (SVE) system • Continued preparation of the final groundwater modeling report • Completing preliminary cost estimates for remedial alternatives proposed in the Feasibility Study • Presenting cost estimates to the Group’s insurance carriers at a meeting in Tucson 	\$55,733.01
1/31/15-2/27/15, Invoice No. 6191765 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Continued startup operation of the lower vadose zone (LVZ) soil vapor extraction (SVE) system • Execution of the annual long-term groundwater monitoring event • Preparation and review of the groundwater modeling report • Preparation and review of the draft Feasibility Study report 	\$72,112.04
2/28/15-4/4/15, Invoice No. 6231311 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Payment of subcontractor invoices for installation of the lower vadose zone (LVZ) soil vapor extraction (SVE) system • Labor and subcontractor expenses incurred during startup and routine operation, maintenance, and monitoring of the SVE system • Preparation and submittal of the draft Feasibility Study report • Payment of analytical fees for analyses of samples collected during the annual monitoring event. 	\$75,805.78
4/5/15-5/1/15, Invoice No. 6272653 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Payment of subcontractor invoices for replacement of spent filter media from operation of the MPE and SVE systems • Labor incurred during initial preparation of the annual monitoring report for the site 	\$29,092.10
5/2/15-5/29/15, Invoice No. 37584956 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Preparation for and attending a meeting with ADEQ to present the draft Feasibility Study report • Preparation of data deliverables for ADEQ • Preparation of the annual groundwater monitoring report for the site 	\$34,825.49

5/30/15-7/3/15, Invoice No. 37610359 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Operation and maintenance of the lower vadose zone soil vapor extraction system • Preparation of the annual groundwater monitoring report • Updating the groundwater model for the site • Revisions to the Feasibility Study based on modeling of new pumping projections from the University of Arizona • Preparation for a meeting with ADEQ in Phoenix, AZ 	\$63,141.91
7/4/15-7/31/15, Invoice No. 37613853 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Operation and maintenance of the lower vadose zone soil vapor extraction system • Updating the groundwater model for the site • Revisions to the Feasibility Study based on modeling of new pumping projections from the University of Arizona • Preparation for and attendance at a meeting with the University of Arizona to discuss water reuse options 	\$30,087.04
8/1/15-8/28/15, Invoice No. 37625745 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Operation and maintenance of the lower vadose zone soil vapor extraction system 	\$18,696.36
8/29/15-9/25/15, Invoice No. 4137638643 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Operation and maintenance of the lower vadose zone soil vapor extraction system • Project management activities 	\$14,552.08
9/26/15-10/30/15, Invoice No. 37658207 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Operation and maintenance of the lower vadose zone soil vapor extraction system • Project management activities 	\$43,431.80
10/31/15-11/27/15, Invoice No. 37676411 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Operation and maintenance of the lower vadose zone soil vapor extraction system • Completion of the semi-annual groundwater monitoring event • Project management activities 	\$14,908.15
11/28/15-1/1/16, Invoice No. 37686357 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Operation and maintenance of the lower vadose zone soil vapor extraction system • Completion of the semi-annual groundwater monitoring event • Project management activities 	\$15,290.23
	2015 TOTAL:	\$467,675.99

**Park-Euclid WQARF Site
2016 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
1/2/16-2/5/16, Invoice No. 37706455 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Performance monitoring associated with the lower vadose zone soil vapor extraction system • Evaluation of alternative treated water discharge options • Payment of an invoice from ADEQ for regulatory oversight • Project management activities 	\$54,785.78
2/6/16-2/26/16, Invoice No. 37717784 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Performance monitoring and reporting associated with the lower vadose zone soil vapor extraction system • Initial modifications to the Feasibility Study Report • Project management activities 	\$9,887.19
2/27/16-4/1/16, Invoice No. 37741782 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Execution of the biannual monitoring event • Performance monitoring and reporting associated with the lower vadose zone soil vapor extraction system • Completing additional groundwater modeling simulations • Continued preparation of the Feasibility Study Report • Project management activities 	\$50,623.04
4/2/16-4/29/16, Invoice No. 37752013 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Completion of the biannual monitoring event • Reporting associated with the lower vadose zone soil vapor extraction system • Preparation and submittal of the Feasibility Study Report for public comment • Project management activities 	\$33,811.74
4/30/16-5/27/16, Invoice No. 37765598 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Laboratory analyses of samples collected during performance monitoring for the SVE system and during the biannual monitoring event • Preparation for and attending a meeting with the City of Tucson • Preparation for and presenting at a Community Advisory Board meeting in Tucson • Performing project management activities 	\$30,645.95

5/28/16-7/1/16, Invoice No. 37778939 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Hazardous waste management and performance monitoring related to the lower vadose zone early response action • Mobilization for and initial well maintenance field activities • Investigating options for delivery of treated water to the City of Tucson for use in their reclaimed water system • Performing project management activities 	\$19,363.75
7/2/16-7/29/16, Invoice No. 37797432 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor incurred while performing well-head maintenance at wells in the monitoring network • Continued preparation of the annual monitoring report • Performing project management activities 	\$13,478.31
7/30/16-8/26/16, Invoice No. 37802332 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Subcontractor fees incurred while performing well-head maintenance at selected wells in the monitoring network • Labor incurred while preparing ADEQ data deliverables • Continued preparation of the annual monitoring report • Project management activities 	\$11,996.99
8/27/16-9/23/16, Invoice No. 37815171 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Continued preparation of the annual monitoring report • Planning for upcoming performance monitoring • Routine site inspection • Project management activities 	\$2,872.50
9/24/16-10/28/16, Invoice No. 37834850 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Rebound monitoring associated with the lower vadose zone early response action • Semiannual groundwater monitoring • Project management activities 	\$10,376.43
10/29/16-11/25/16, Invoice No. 37847702 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Payment on laboratory invoices for analysis of samples collected during LVZ ERA rebound monitoring • Continued preparation of the annual monitoring report • Project management activities 	\$12,708.04
11/26/16-12/30/16, Invoice No. 37857065 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor incurred during preparation of the final report for the LVZ ERA • Review and initial preparation of response to comments on the Feasibility Study Report • Continued preparation of the annual monitoring report • Project management activities 	\$14,725.41
	2016 TOTAL:	\$265,275.13

**Park-Euclid WQARF Site
2017 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
12/31/16-2/3/17, Invoice No. 37875560 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor incurred during preparation of initial response to comments from ADEQ on the Draft Final Feasibility Study Report • Preparation of the final report for the LVZ ERA • Preparation for the annual groundwater monitoring event • Continued preparation of the annual monitoring report • Project management activities 	\$19,278.30
2/4/17-2/24/17, Invoice No. 37886978 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Payment of the annual fee for the MPE system air discharge permit • Labor for preparation of the final report for the LVZ ERA • Conducting groundwater sampling associated with the annual groundwater monitoring event • Continued preparation of the annual monitoring report • Project management activities 	\$22,858.51
2/25/17-3/31/17, Invoice No. 37897788 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Preparation of the final report for the LVZ ERA • Preparation for and attendance at a meeting in Phoenix, AZ with the Park-Euclid Group and ADEQ to discuss the feasibility study • Preparation of a final response to ADEQ comments on the Draft Final Feasibility Study Report • Prepare for and conduct the annual monitoring event for the site • Preparation and submittal of the annual monitoring report to ADEQ • Project management activities 	\$33,544.44

4/1/17-4/28/17, Invoice No. 37907682 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Payment of ADEQ invoice for oversight costs on the WQARF project • Costs for laboratory analysis of samples from the annual monitoring event • Preparation of the final report for the LVZ ERA • Continued correspondence with ADEQ and the Group regarding the final feasibility study • Project management activities 	\$38,600.77
4/29/17-5/26/17, Invoice No. 37921613 Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor incurred during preparation and submittal of the final report for the LVZ ERA • Evaluating and responding to comments from ADHS on the feasibility study and the vapor intrusion risk assessment 	\$12,488.86
5/27/17-6/30/17, Invoice No. 37939136 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor incurred for completion of the annual monitoring event • Initial interpretation of data from the annual monitoring event • Developing a scope of work for preparation of the final feasibility study based on agency comments then meeting with Group representatives to review and finalize 	\$13,376.04
7/1/17-7/28/17, Invoice No. 37950275 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Preparation of the final feasibility study report • Laboratory analytical costs associated with the annual monitoring event • Preparation of the annual long-term groundwater monitoring report 	\$34,864.43
7/29/17-8/25/17, Invoice No. 37962689 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Preparation of the final feasibility study report • Preparation of the annual long-term groundwater monitoring report 	\$31,643.95
8/26/17-9/22/17, Invoice No. 37971794 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Preparation of the final feasibility study report • Preparation of the annual long-term groundwater monitoring report 	\$17,889.96
9/23/17-10/27/17, Invoice No. 37988672 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Preparation of the final feasibility study report • Preparation of the annual long-term groundwater monitoring report 	\$34,198.92
10/28/17-11/24/17, Invoice No. 37999230 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Preparation of the final feasibility study report • Preparation of the annual long-term groundwater monitoring report 	\$11,771.73

11/25/17-12/29/17, Invoice Nos. 2000003232 and 2000007592 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Responding to comments from ADEQ on the final feasibility study report • Supporting activities related to obtaining access agreements for future activities • Planning/scoping of future tasks • Performance of the semi-annual groundwater monitoring event 	\$19,969.66
	2017 TOTAL:	\$290,485.57

**Park-Euclid WQARF Site
2018 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
12/30/17-1/26/18, Invoice Nos. 2000015198 and 2000015214 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Developing the scope of work for the SVE/Cat Ox conversion project • Supporting activities related to obtaining access agreements for future activities • Planning/scoping of future tasks • Updating the project database management system • Review and discussion of the results from the semi-annual monitoring event • Coordinating with ADEQ regarding the upcoming CAB meeting • Development of the project schedule • Project management activities 	\$13,681.81
1/27/18-2/23/18, Invoice Nos. 2000028061 and 2000026266 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Development of a work plan for installation of lower vadose zone vapor monitoring wells • Planning for the SVE / Cat Ox conversion project • Supporting activities related to obtaining access agreements for future activities • Payment of air permitting fees associated with the soil vapor extraction system • Preparation for upcoming meetings with ADEQ and the CAB • Project management activities 	\$42,082.19
2/24/18-3/30/18, Invoice No. 2000045182 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Attending Community Advisory Board meeting in Tucson • Mobilization and initial lower vadose zone drilling and well construction • Hazardous waste management activities • System design and development of a work plan for the SVE /Cat Ox conversion project • Project management activities 	\$52,669.61

<p>3/31/18-4/27/18, Invoice No. 2000055236 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Lower vadose zone drilling and well construction • System design and work plan development for the SVE / Cat Ox conversion project • Supplemental characterization work plan preparation • Project management activities 	<p>\$87,165.03</p>
<p>4/28/18-5/25/18, Invoice No. 2000070831 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Execution of the biennial monitoring event • Labor and subcontractor costs incurred during installation of the lower vadose zone (LVZ) monitoring wells • Creation of graphic boring logs and as-built well construction diagrams for the LVZ wells • Supplemental characterization work plan preparation • Supplemental characterization drilling and well installation mobilization • Project management activities 	<p>\$185,455.81</p>
<p>5/26/18-6/29/18, Invoice No. 2000079939 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Completion of the GAC Disposal/Tank Rinsing task • Design and permitting of the LVZ ERA modifications • Drilling and well installation for the supplemental characterization task • Project management activities 	<p>\$105,068.41</p>
<p>6/30/18-7/27/18, Invoice No. 2000093323 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Drilling, well installation, and development for the supplemental characterization task • Project management activities 	<p>\$58,148.39</p>
<p>7/28/18-8/24/18, Invoice No. 2000109685 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Subcontractor fees, labor, and expenses for well installation and development • Data review for the supplemental characterization task • Initial preparation of the well installation report 	<p>\$180,577.50</p>

8/25/18-9/28/18, Invoice No. 2000122177 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor for data review and laboratory fees for the biennial monitoring event • Design and permitting of the soil vapor extraction and treatment system • Subcontractor and laboratory fees for well installation and development • Well installation report preparation • Baseline monitoring for the new monitoring wells • Data interpretation for the supplemental characterization task • Project management activities 	\$169,437.99
9/29/18-10/26/18, Invoice No. 2000132828 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Subcontractor fees for regeneration and replacement of granular activated carbon used to treat waste groundwater from sampling activities • Labor, permit fees, and subcontractor fees incurred during design and permitting of the catalytic oxidizer treatment system for the soil vapor extraction system at the site • Labor incurred during installation, development, surveying, and sampling of two additional perched aquifer monitoring wells • Labor for interpretation of data from the supplemental characterization task • Project management activities 	\$46,346.94
10/27/18-11/23/18, Invoice No. 2000147911 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Subcontractor fees for traffic control, waste disposal, and drilling and well installation for the supplementary characterization field program • Labor for baseline and semi-annual sampling of select wells in the monitoring well network 	\$94,323.36
11/24/18-12/28/18, Invoice No. 2000164345 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor for preparation of the annual monitoring report • Waste handling associated with the supplementary characterization task • Interpretation of data collected during the supplementary characterization • Project management activities 	\$41,376.03
	2018 TOTAL:	\$1,076,333.07

**Park-Euclid WQARF Site
2019 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
12/29/18-1/25/19, Invoice No. 2000170747 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor and equipment for collection of regional aquifer groundwater samples to be analyzed for biodegradation parameters • Labor for preparation of the annual monitoring report • Fee associated with the air discharge permit for the on-site SVE system, • Planning and mobilization for perched aquifer well installation • Project management activities 	\$27,010.86
1/30/19-2/22/19, Invoice No. 2000180604 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor for preparation of the annual monitoring report • Labor, equipment and subcontractor costs for monitoring well installation • Data interpretation from the supplementary characterization • Evaluation of regional aquifer conditions based on the results of biodegradation parameter sampling • Project management activities 	\$55,045.18
2/23/19-3/29/19, Invoice No. 2000196699 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Procurement of the catalytic oxidizer for treatment of vapors from the Lower Vadose Zone (LVZ) Soil Vapor Extraction (SVE) system • Labor incurred during quality review of laboratory data • Evaluation of potential alternative remedial options for the site • Preparation of the annual monitoring report • Project management activities 	\$121,584.82

<p>3/30/19-4/26/19, Invoice No. 2000208091 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Labor incurred during execution of the annual monitoring event • Preparing the 2018 annual monitoring report • Continued Lower Vadose Zone (LVZ) Soil Vapor Extraction (SVE) system startup activities • Mobilizing for supplemental Perched Aquifer (PA) monitoring well installation • Evaluation of potential alternative remedial options for the Regional Aquifer (RA) • Project management activities 	<p>\$62,707.59</p>
<p>4/27/19-5/24/19, Invoice No. 2000221401 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Labor incurred during execution of the annual monitoring event • Preparing for and attending meetings with the Arizona Department of Environmental Quality (ADEQ) and with the Community Advisory Board (CAB) • Performing operation and maintenance of the Lower Vadose Zone (LVZ) Soil Vapor Extraction (SVE) system • Overseeing supplemental Perched Aquifer (PA) monitoring well installation • Evaluating remedial options for the Regional Aquifer (RA) for the Proposal Remedial Action Plan (PRAP) • Performing project management activities 	<p>\$67,159.14</p>
<p>5/25/19-6/28/19, Invoice No. 2000237961 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Subcontractor fees for analyses of samples collected during the annual monitoring event • Installation of the catalytic oxidation system for treatment of vapors from the on-site soil vapor extraction system • Drilling and installation of three new perched aquifer monitoring wells • Labor for treatment system operation and maintenance • Development of the proposed remedial action plan • Project management activities 	<p>\$174,582.52</p>

<p>6/29/19-7/26/19, Invoice No. 2000250218 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Preparation of the well installation report • Operation and maintenance of the soil vapor extraction (SVE) system • Preparation of the SVE system construction completion report • Preparing submittal to ADEQ for data from the supplementary characterization wells in the perched aquifer • Project management activities 	<p>\$22,680.40</p>
<p>7/27/19-8/30/19, Invoice No. 2000262455 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Validation of data from the annual monitoring event • Initial preparation of the annual monitoring report • Operation and maintenance of the soil vapor extraction (SVE) system • Completion and submittal of the SVE system construction completion report • Continued preparation of the PRAP • Project management activities 	<p>\$52,557.82</p>
<p>8/31/19-9/20/19, Invoice No. 2000270072 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Response to a permit deviation on the SVE system • Operation and maintenance of the soil vapor extraction (SVE) system • Continued preparation of the PRAP • Project management activities 	<p>\$38,385.15</p>
<p>9/21/19-10/25/19, Invoice No. 2000281582 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Response to a permit deviation on the SVE system • Operation and maintenance of the soil vapor extraction (SVE) system • Continued preparation of the PRAP • Project management activities 	<p>\$42,622.44</p>

<p>10/26/19-11/27/19, Invoice No. 2000301244 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Labor and expenses incurred for execution of the semiannual monitoring event • Operation and maintenance of the soil vapor extraction (SVE) System • Execution of the annual SVE system performance monitoring event • Continued preparation of the supplemental characterization well installation report • Completion and submittal of the first draft PRAP to the Park-Euclid Group and insurance carriers for review • Prepare for and attend meeting in Phoenix to present the results of the PRAP to the Park-Euclid Group and its insurance carriers • Project management activities 	<p>\$53,091.19</p>
<p>11/28/19-12/27/19, Invoice No. 2000305915 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site</p>	<ul style="list-style-type: none"> • Labor and expenses incurred for preparation and submittal of the annual long term monitoring report • Routine and non-routine operation and maintenance of the soil vapor extraction (SVE) system • Preparation of a summary of SVE system operation for inclusion in the annual monitoring report • Continued preparation of the well installation and baseline monitoring report • Preparation and submittal of the draft PRAP to ADEQ for review • Project management activities 	<p>\$36,672.19</p>
	<p>2019 TOTAL:</p>	<p>\$754,099.30</p>

**Park-Euclid WQARF Site
2020 Remedial Action Costs**

<u>Time Period/URS Invoice #</u>	<u>Major Activities Accomplished During Reporting Period</u>	<u>Costs Incurred</u>
12/28/19-1/31/2020, Invoice No. 2000321337 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor and expenses incurred for finalizing and submitting the well installation and baseline monitoring report for supplemental site characterization activities • Routine and non-routine operation and maintenance of the soil vapor extraction (SVE) system • Review of ADEQ comments on the draft PRAP • Project management activities 	\$30,972.64
2/1/2020-2/28/2020, Invoice No. 2000332590 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor and expenses incurred for developing bid specifications for demolition of the MPE system • Routine and non-routine operation and maintenance of the soil vapor extraction (SVE) system • Prepare responses to ADEQ comments on the draft PRAP and update PRAP based on these comments • Update the groundwater model for the site to perform uncertainty analysis • Project management activities 	\$31,557.59
2/29/2020-3/27/2020, Invoice No. 2000342341 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor and expenses incurred for developing bid specifications for demolition of the MPE system • Routine and operation and maintenance of the soil vapor extraction (SVE) system • Prepare responses to ADEQ comments on the draft PRAP and update PRAP based on these comments • Update the groundwater modeling report for the site to document the uncertainty analysis • Update remedy implementation cost estimates • Mobilization for the upcoming biennial monitoring event • Project management activities 	\$26,084.74

3/28/2020-4/24/2020, Invoice No. 2000352184 Haskell Linen and Mission Linen Supply, Park – Euclid WQARF Site	<ul style="list-style-type: none"> • Labor and expenses for routine operation and maintenance of the soil vapor extraction (SVE) system • Execution of the annual long-term monitoring event • Project management activities 	\$44,948.87
	2020 TOTAL:	\$133,563.84