RECORD OF DECISION

WEST CENTRAL PHOENIX – EAST GRAND AVENUE WATER QUALITY ASSURANCE REVOLVING FUND SITE

PHOENIX, ARIZONA

August 12, 2024

Prepared by:



Clean Air, Safe Water, Healthy Land for Everyone

Waste Programs Division Remedial Projects Unit 1110 West Washington Street Phoenix, Arizona 85007

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Arizona Department of Environmental Quality

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Acronyms

A.A.C.	Arizona Administrative Code
ADEQ	Arizona Department of Environmental Quality
ADWR	Arizona Department of Water Resources
AWQS	Aquifer Water Quality Standard
A.R.S.	Arizona Revised Statute
bgs	Below Ground Surface
CAB	Community Advisory Board
CIP	Community Involvement Plan
СОС	Contaminant(s) of Concern
1,1-DCE	1,1-Dichloroethene
ERA	Early Response Action(s)
FS	Feasibility Study
GMCA	G.M Clement & Associates, Inc
GPL	Groundwater Protection Level(s)
LAU	Lower Alluvial Unit
LOE	Lines of Evidence
MAU	Middle Alluvial Unit
MTP	Mobile Home Trailer Park
NFA	No Further Action
µg/L	Micrograms per Liter
MNA	Monitored Natural Attenuation
PA	Preliminary Assessment
PCE	Tetrachloroethene
PRAP	Proposed Remedial Action Plan
RI	Remedial Investigation
RO	Remedial Objective(s)
ROD	Record of Decision
SRL	Soil Remediation Level(s)
SRP	Salt River Project
SVE	Soil Vapor Extraction
TCE	Trichloroethene
UAU	Upper Alluvial Unit
VOC	Volatile Organic Compound(s)
WQARF	Water Quality Assurance Revolving Fund

1.0 DECLARATION

1.1 Site Name and Location

This Record of Decision (ROD) is for the West Central Phoenix - East Grand Avenue Water Quality Assurance Revolving Fund (WQARF) Registry Site (Site) located in Maricopa County, Phoenix, Arizona (Figure 1). The Site is located in a mixed commercial and industrial area of Phoenix and includes the area located between the Salt River Project (SRP) Grand Canal to the north, North 29th Avenue to the east, West Cheery Lynn Road to the south, and North 33rd Avenue to the west in Phoenix, Arizona (Figure 2).

The Site was added to the WQARF registry in 1998, with an eligibility and evaluation score of 31 out of 120.

1.2 Basis and Purpose

This ROD presents the Selected Remedy, chosen in accordance with applicable requirements in Title 18, Chapter 16 of the Arizona Administrative Code (A.A.C.). The process for selecting the remedy complied with Arizona Revised Statute (A.R.S.) §49-282.06 and §49-287.04. The Arizona Department of Environmental Quality (ADEQ), as the lead agency, has reviewed the remedy and determined that Site completion criteria used to evaluate the selected remedial action for Contaminants of Concern (COCs) in groundwater and the Remedial Objectives (ROs) will be satisfied. This ROD describes the basis for the Selected Remedy and addresses all elements of A.A.C. R18-16-410 under the WQARF Program. The decision in this ROD is based upon previous activities and investigations performed at this Site that are documented and located in ADEQ's Administrative Record file. The State of Arizona, acting by and through ADEQ, has selected the remedy detailed in this document.

1.3 Site Assessment

The COCs include tetrachloroethene (PCE) and trichloroethene (TCE). These compounds were historically detected in the soil, soil vapor, and groundwater at concentrations that exceeded regulatory levels (i.e., soil remediation levels [SRLs], groundwater protection levels [GPLs], and Aquifer Water Quality Standards [AWQS]). Other volatile organic compounds (VOCs), including 1,1-dichloroethene (1,1-DCE), were historically detected and are no longer considered COCs because concentrations of these other VOCs are below regulatory levels. PCE and TCE concentrations currently exceed regulatory standards. Groundwater is the only media currently impacted with COC concentrations exceeding regulatory standards. The soil at the Site does not contain VOCs with concentrations that exceed regulatory standards. Releases of VOCs to the environment occurred at the former Univar Solutions facility, the former Granberry facility, the former FedMart facility, and the former Mogul facility. The location of these former facilities is presented on Figure 2.

Soil Vapor Extraction (SVE) was implemented from 2004 to 2013 as an Early Response Action (ERA) at the former Univar Solutions facility and removed approximately 2,000 pounds of VOCs from the soil.

1.4 Selected Remedy

The Selected Remedy, identified as the Less Aggressive Remedy in the Feasibility Study Report (FS) prepared by Univar Solutions (Arcadis, 2020) and proposed in the Proposed Remedial Action Plan (PRAP) (ADEQ, 2020), to remediate the groundwater at the Site includes the following remedial technology:

• Monitored natural attenuation (MNA)

A detailed description of the Selected Remedy is provided in Section 3.0 of this ROD.

1.5 Differences From the PRAP

The Selected Remedy is different from the remedy proposed in the PRAP per the following:

- The contingency for wellhead treatment at the SRP well 10.5E-7.5N and the Mobile Home Trailer Park (MTP) well MTP-1 was removed from the Selected Remedy. Continued evaluation of the data collected suggested that a contingency for wellhead treatment at these two wells is not needed based on the following:
 - The SRP well 10.5E-7.5N is screened within the middle alluvial unit (MAU) and lower alluvial unit (LAU) while the MTP-1 well is screened within the MAU. The only aquifer currently affected by COCs greater than the AWQS at the Site is the upper alluvial unit (UAU). Additional details regarding the alluvial units is provided in Section 2.1.
 - COC concentrations have been decreasing since monitoring began in the 1990s and the areal extent of COCs above the AWQS has decreased by approximately 60 percent from the historical extent as shown by Figure 3.
 - COCs have not been detected above the AWQS in the SRP well 10.5E-7.5N or MTP-1 well for more than 20 years (Arcadis, 2020).
- The duration of the MNA was reduced from 18 years (FS and PRAP) to eight years based on COC concentrations that have been decreasing since monitoring began in the 1990s and the areal extent of COCs above the AWQS has decreased by approximately 60 percent from the historical extent as shown by Figure 3. The maximum PCE and TCE concentrations have decreased from 280 and 270 micrograms per liter (µg/L), respectively, in 2006 (GMCA, 2006) to 8.5 and 12.3 µg/L in 2023 (Arcadis, 2023). Mann-Kendall trend analyses confirm overall decreasing concentration trends (Appendix A). Further, the evaluation of geochemical parameters confirm that aquifer conditions are such that natural biodegradation is contributing to plume attenuation (ARCADS, 2020).
- A contingency of an additional four years of MNA performance monitoring will be implemented if the remedial objectives have not been achieved after eight years.

• A proposed replacement for monitoring well WCP-201 was added to the Selected Remedy. Well WCP-201 is located near the source area and the water levels in this well have fluctuated between being dry and having a few feet of water. The monitoring of this well is vital for establishing that the Selected Remedy has remediated the contamination at the source area.

1.6 Statutory Determinations

In June 2006 and May 2018, the Remedial Investigation (RI) Report (Weston, 2006) and the RI Addendum (ADEQ, 2018) were completed pursuant to A.R.S. §49-287.03(E) and A.A.C. 18-16-406. The RI Report and subsequent RI Addendum:

- Established the nature and extent of the contamination and the sources thereof;
- Identified current and potential impacts to public health, welfare, and the environment;
- Identified current and reasonably foreseeable uses of land and waters of the state; and
- Obtained and evaluated information necessary for identification and comparison of alternative remedial actions.

In June 2020, the FS Report (Arcadis, 2020) was completed pursuant to A.R.S. §49-287.03(F) and A.A.C. 18-16-407. The FS, based on information obtained during the RI, evaluated three remedial alternatives and recommended a remedy for the Site. The FS:

- Provided for the development of a Reference Remedy and at least two alternative remedies which were capable of achieving the ROs;
- Confirmed that the Reference Remedy was based upon best engineering, geological, and hydrogeological judgement;
- Provided one alternative remedy that was more aggressive than the Reference Remedy; and
- Provided one alternative remedy that was less aggressive than the Reference Remedy.

In November 2020, ADEQ completed the PRAP (ADEQ, 2020) pursuant to A.R.S. §49-287.04 and A.A.C. 18-16-408. The PRAP presented the remedy recommended in the FS (Less Aggressive Remedy), proposed a remedy, and provided costs to implement the remedy. Public comments on the Proposed Remedy were solicited and received (Appendix B). The PRAP:

- Identified the boundaries of the Site;
- Summarized the results of the RI and FS;
- Proposed the Selected Remedy and its cost; and
- Described how the remedial goals and selection factors were evaluated.

Pursuant to A.R.S. §49-287.04 and A.A.C. 18-16-410, this ROD is the final administrative decision as defined under A.R.S. §41-1092. The Selected Remedy meets the following criteria as stipulated in A.R.S. §49-282.06:

- Assures the protection of public health and welfare and the environment;
- To the extent practicable, provides for the control, management or cleanup of the hazardous substances in order to allow the maximum beneficial use of the waters of the state; and
- Is reasonable, necessary, cost-effective, and technically feasible.

2.0 SITE BACKGROUND

2.1 Site Description

The Site is located in a mixed commercial and industrial area of Phoenix, Arizona. The boundaries subject to remedial action includes the area located between the SRP Grand Canal to the north, North 29th Avenue to the east, West Cheery Lynn Road to the south, and North 33rd Avenue to the west in Phoenix, Arizona (Figure 2). The Site is defined by the geographical areal extent of the groundwater plume impacted with COCs (Figure 4).

The regional aquifer underlying the Site is divided into three separate hydrogeologic units as documented in the FS Report prepared by Univar Solutions (Arcadis, 2020) as follows:

- The UAU is mostly unconfined and extends to an approximate depth of 220 feet below ground surface (bgs). The UAU is composed of gravels, sands, and silts.
- The MAU is confined and is encountered at depths between approximately 220 and 550 feet bgs. The MAU is composed of finer-grained sediments, silts and clays, and some sand and gravel.
- The LAU is confined and is encountered at depths between approximately 550 and 1,000 feet bgs. The LAU is composed mostly of conglomerate and gravel with some mudstone.

The majority of the monitoring wells at the Site have been completed within the UAU with a small number of monitoring wells completed within the MAU. The contaminant data collected from the shallower UAU and deeper MAU wells indicates the contamination at the Site is confined to the UAU. The water level data from the UAU and MAU wells indicate vertical groundwater flow is from the MAU upward into the UAU (Arcadis, 2020).

The current depth to groundwater ranges from 137 to 153 feet bgs (Arcadis, 2023). Historically, lateral groundwater flow was to the southwest. However, the groundwater flow direction shifted in 2011 to the west and by 2023 the groundwater flow direction was generally to the west and northwest at an approximate gradient of 0.005 feet per foot (Arcadis 2020, 2023). This change is attributed to improvements to the canal lining, regional groundwater pumping, and changes to local groundwater pumping (Arcadis, 2020).

Well MTP-1 is completed within the MAU while the SRP well 10.5E-7.5N and Danone water supply wells (Danone Well 1 and Danone Well 2) are completed within the MAU and/or LAU. COC concentrations are currently below the AWQS in the SRP, MTP, and Danone water supply wells (Arcadis, 2020). COC concentrations in the SRP and MTP wells have been less than the AWQS for more than twenty years and

COCs have never been detected in either of the Danone wells, even when the COC plume was larger and COC concentrations were higher (Arcadis, 2020).

The nearest residential area is located down gradient and less than 0.25-miles northwest of the current extent of the groundwater contaminant plume. Other residential areas are located upgradient or cross-gradient of the groundwater contaminant plume.

2.2 Source of Release

ADEQ investigated the Site to determine parties responsible for the release of COCs. Data supports unpermitted releases of COCs at the former Univar Solutions facility, the former Granberry facility, the former FedMart facility, and the former Mogul facility. A brief summary of each facility is presented below:

- Former Univar Facility The former Univar Solutions facility was located at 2930/2940 West Osborn Road (Figure 2). Beginning in 1957, the former Univar Solutions facility was used for warehousing and distribution of scientific and laboratory equipment by Van Waters & Rogers (VWR). In the mid-1960s, VWR expanded to include warehousing and the distribution of industrial and agricultural chemical products, upholstery supplies, and laundry and dry-cleaning supplies. VWR ceased all operations at the Property by 1971 (Arcadis, 2020).
- Former Granberry Facility The former Granberry facility was located at 2901 and 2905 West Osborn Road (Figure 2). The former Granberry facility began operation in 1982, and was a generator of hazardous waste including TCE and/or PCE (Arcadis, 2020).
- Former FedMart Facility The former FedMart facility was located at 3010 Grand Avenue (Figure 2). The former FedMart facility operated as a retail gas distribution facility between 1967 and 1990. Soil and groundwater investigations conducted at the former facility identified PCE and TCE in the soil and groundwater at the property (Weston, 2006).
- Former Mogul Facility The former Mogul facility was located at 3030 North 30th Avenue which
 is outside of the groundwater plume and boundaries of the Site (Figure 2). Soil and groundwater
 data collected at the facility indicate that there was a release at the facility that impacted
 groundwater. COC soil concentrations were below residential and non-residential Arizona SRLs
 and minimum GPLs. Groundwater monitoring wells located at the former Mogul facility did
 historically have TCE above the AWQS (Arcadis, 2020); however, no data supports the migration
 of COCs beyond the facility and there is no data to support that the Mogul release reached the
 East Grand Avenue groundwater plume. Univar Solutions (Arcadis, 2020) indicated that the
 former Mogul facility is not considered a continuing source of COCs.

2.3 Need for Remedial Action

2.3.1 Soil/Soil Vapor

The soil at the Site does not contain COCs above SRLs or GPLs. Thus, no remediation for soil or soil vapor is needed.

2.3.2 Groundwater

COCs including PCE and TCE are present in the UAU groundwater at concentrations that exceed the AWQS. Groundwater in the vicinity of the Site is currently used as a source of irrigation and drinking water. Thus, a remedial action for groundwater is required.

The concentrations of VOCs in samples collected from area water supply wells installed in the MAU and LAU (deeper hydrogeologic units) in the vicinity of the Site are less than the AWQS (Arcadis, 2020). The well data from these water supply wells and the Site monitoring wells supports that the deeper hydrogeologic units have not been impacted by the contamination emanating from the Site.

2.4 Chronology of Site Activities

A detailed history of the remedial investigations and ERAs conducted is presented in the RI, the FS, and the PRAP. A brief summary of these activities is presented below:

1982: VOCs were detected in the groundwater within the West Central Phoenix area.

1987: The West Central Phoenix area was designated a WQARF priority list site.

1993: ADEQ conducted a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Preliminary Assessment (PA) at the former Univar Solutions facility.

1994: Univar Solutions conducted a preliminary site characterization investigation at the former Univar Solutions facility.

1997 to 1998: Additional investigations were conducted that included soil, soil vapor, and groundwater sampling.

1998: The Site was placed on the WQARF Registry with a score of 31 out of a possible 120.

1999 to 2004: Additional investigations were conducted that included soil, soil vapor, and groundwater sampling.

2004: Univar Solutions began operating an SVE system as an ERA in February. The Draft RI Report was issued for public comment in May.

2006: The Final RI Report was issued in July.

2013: Univar Solutions shut down the SVE system following rebound testing and analysis. The SVE system removed over 2,000 pounds of VOCs between 2004 and 2013.

2017 to 2018: ADEQ conducted a soil gas investigation to confirm no other sources of contamination were present.

2018: The RI Report Addendum was issued in May.

2019: Univar Solutions installed additional monitoring wells to delineate the current extent of COCs in the groundwater.

2020: The FS Report was issued in July. The PRAP was completed and issued for public comment in December.

2.5 Source Area Definition

Data collected and analyzed during the RI confirmed that contaminants were released into the soil and groundwater. COCs currently detected above regulatory levels include PCE and TCE. Data confirmed sources of the soil and groundwater contamination were the former Univar Solutions facility, the former Granberry facility, and the former FedMart facility. A summary of the contamination is presented below:

- **Soil** The soil does not contain compounds with concentrations that exceed regulatory standards (i.e., SRLs and GPLs).
- Groundwater The current extent of COCs in the groundwater is shown on Figure 4. Well data supports that the COC plume is within the UAU. Compounds that exceed the AWQS include PCE and TCE. The maximum PCE and TCE concentrations currently detected in the groundwater are 8.5 and 12.3 μg/L, respectively (Arcadis, 2023). The AWQS for PCE and TCE is 5 μg/L. The groundwater data indicates the upper 30 to 50 feet of the aquifer is impacted with VOCs.

3.0 SELECTED REMEDY

The Selected Remedy is based on the evaluation presented in the FS (Arcadis, 2020) and summarized in the PRAP (ADEQ, 2020). The FS evaluated remedial alternatives for COCs in groundwater (Arcadis, 2020). The remedial alternatives presented in the FS were developed to meet the ROs (ADEQ, 2006). The PRAP provided the basis for the Selected Remedy (ADEQ, 2020). As previously mentioned, a remedial alternative for soil is not necessary because no soil contamination is present. The Selected Remedy for the groundwater is MNA. The Selected Remedy does not include a contingency for wellhead treatment as presented in Section 1.5.

3.1 Selected Remedy Summary

3.1.1 MNA

MNA is a remedial measure that involves routine groundwater sampling and analysis to monitor the results of one or more naturally occurring physical, chemical, or biological processes that reduce the mass, toxicity, volume, or concentration of chemicals in groundwater. MNA is a mechanism by which COCs are reduced by natural means without other control, removal, treatment, or aquifer-modifying activities. These in-situ processes may include dilution, adsorption, volatilization, precipitation, and biological degradation of the contaminants in the groundwater.

MNA will consist of routine groundwater monitoring and sampling to monitor groundwater contamination at the Site. The groundwater samples will be analyzed for VOCs. The groundwater samples will also be analyzed for natural attenuation performance parameters including alkalinity, total organic carbon, dissolved oxygen, oxidation-reduction potential (ORP), iron, manganese, nitrate, sulfate, methane, ethene and ethane for at least two calendar years (four semi-annual sampling events) to establish baseline trends. The groundwater monitoring data will be used to evaluate plume migration, plume stability, and natural attenuation of the plume. After the completion of the baseline sampling events, the MNA performance parameters may be reevaluated to determine if specific frequency may decrease for a specific MNA performance parameter or if a specific MNA performance parameter may be removed from the sampling program.

Based on Mann-Kendall trend analysis, MNA monitoring will be conducted for a period of up to eight years as presented in Table 1. The groundwater monitoring well network will consist of compliance wells, performance wells, and sentinel wells. For years one, two, seven and eight, the program will include semiannual water level monitoring and groundwater sampling of up to 10 wells and semi-annual reporting. For years three through six, the program will include annual water level monitoring and groundwater sampling of up to 10 wells and annual reporting. The number and frequency of wells to be monitored and sampled will be adjusted over time in response to changing groundwater conditions. At a minimum, the number of wells and the frequency of monitoring will be evaluated and updated every two years. MNA will be terminated and the Site will be closed when COC concentrations remain below the respective AWQS after a minimum of two consecutive years of semi-annual monitoring and sampling from all site monitoring wells.

If after eight years MNA is not performing in accordance with the objectives set forth, a contingency of an additional four years of MNA performance monitoring will be required.

The Selected Remedy includes a replacement for well WCP-201. WCP-201 is at risk of going dry due to declining water levels (see Section 1.5). WCP-201 is currently screened between 114 and 154 feet bgs. The replacement well will be screened between approximately 140 and 180 feet bgs. The existing WCP-201 will be abandoned during the well replacement activities in accordance with applicable Arizona Department of Water Resources (ADWR) requirements including A.A.C. R12-15-816.

Well Name	Screen Interval (feet bgs)	Monitored Parameters					
EGA-01	120 to 170						
EGA-03	140 to 190]					
EGA-04A	145 to 195						
EGA-04B	215 to 245						
EGA-05A	145 to 195	Water Levels, VOCs, & Natural Attenuation Parameters**					
EGA-05B	225 to 255						
WCP-44	108 to 148						
WCP-48	48 225 to 245						
WCP-88	110 to 150						
WCP-201 / WCP-	WCP-201 / WCP-						
201R 114 to 154 / 140 to 180*							
<u>Notes</u> :							
bgs = below ground s	bgs = below ground surface						
VOCs = volatile organic compounds							
*Screen interval of W	/CP-201R is estimated						
**Natural Attenuation	on Parameters include: alkalinit	y, total organic carbon, dissolved oxygen,					
oxidation-reduction	potential (ORP), iron, mangane	se, nitrate, sulfate, methane, ethene and ethane.					

Table 1 – MNA Monitoring Summary

At the conclusion of MNA activities, the 39 monitoring wells associated with the Site will be abandoned in accordance with applicable ADWR requirements including A.A.C. R12-15-816. A list of the 39 monitoring wells to be abandoned is presented in Appendix C. After well abandonment, ADEQ will delist the Site in accordance with A.R.S. §49-287.01(K).

3.2 Achievement of Remedial Objectives and Remedial Action Criteria

In accordance with A.A.C. R18-16-406(I), ADEQ prepared the RO Report (ADEQ, 2006) that established ROs for the current and reasonably foreseeable uses of land and waters of the State of Arizona that have

been or are threatened to be affected by a release of a hazardous substance. In accordance with A.A.C. R18-16-407, the ROs were evaluated in the FS Report and, according to A.A.C. R18-16-408 and A.R.S. §49-287.04, considered in development of the remedial action alternatives presented in the PRAP Report.

The RO Report (ADEQ, 2006) identified the current and future land use at the Site as industrial. Soil sampling results confirmed that COCs in the soil are below regulatory levels (i.e., SRLs and GPLs) for the industrial setting. Thus, a RO for soil was not established and is not needed.

The RO Report (ADEQ, 2006) identified current and future groundwater uses at the Site. These included the current and future use of groundwater for drinking water by well MTP-1, the current and future use of groundwater for drinking water by the Danone wells, and the current use of groundwater for irrigation by SRP wells 10.5E-7.5N and 11.2E-7.7N. Based on these groundwater uses, ADEQ established the following ROs for the Site:

- To protect, replace or otherwise provide alternative water supply should use of the MTP drinking water well be lost in the future due to changes in groundwater flow direction that would contaminate the well with TCE, PCE, and/or 1,1-DCE contamination emanating from the Site;
- To protect, replace, or otherwise provide alternative water supply should use of the Danone Waters drinking water well(s) be lost in the future due to contamination of the deeper aquifer by the TCE, PCE, and/or 1,1-DCE contamination emanating from the Site; and
- To protect, replace, or otherwise provide an alternative water supply should use of the SRP wells be lost in the future due to contamination of the wells with TCE, PCE, and/or 1,1-DCE contamination emanating from the Site.

The SRP Grand Canal creates the northern boundary of the Site and is a concrete lined canal. The water in the Grand Canal is supplemented with groundwater pumped from SRP wells near the Site. Thus, a RO for surface water use is not needed because the ROs for groundwater use for the water pumped into the Grand Canal are applicable.

In addition to the potential future groundwater uses identified in the RO Report (ADEQ, 2006), recent consultations with the water providers indicated potential future use of groundwater for drinking water by SRP and the potential future use of groundwater by the City of Phoenix for drinking water (Arcadis, 2020). It should be noted the nearest City of Phoenix production well (inactive Well #77) is located approximately one mile north and cross-gradient of the site.

MNA requires demonstrating several lines of evidence (LOE) to demonstrate it is able to meet the ROs in an acceptable time frame. Three LOE have been demonstrated. The key LOE is a geographically stable or decreasing plume, which is demonstrated with the existing data (Figure 4). The second LOE is decreasing concentrations (or mass) trends. The results of the groundwater monitoring and sampling show decreasing concentrations of COCs in the groundwater, supported with Mann-Kendall trend analysis. The third LOE is favorable geochemistry and biologic conditions for MNA. The Univar Solutions FS documented favorable geochemistry. At the low concentrations in the plume, breakdown products of PCE (i.e, TCE, cis1,2-dichoroethene, and vinyl chloride) are expected and found to be generally below detection limits. These three primary LOE demonstrate that the Selected Remedy of MNA for groundwater will reduce COCs to below the AWQS and meet the protectiveness elements of the ROs for groundwater. Given the low concentrations and clear trends, ADEQ finds there is no reason to implement the replacement or alternative supply aspects of the ROs.

Based on these determinations, the Selected Remedy demonstrates:

- The ability to achieve the ROs with regard to both land use and groundwater use;
- Consistency with plans of affected water providers and the general land use plans of the local government(s); and
- Compatibility with regard to practicability, cost, risk, and benefit.

3.3 Compliance with Arizona Administrative Code and Arizona Revised Statutes

In 1998, the Site was placed on the WQARF Registry by ADEQ with a score of 31 out of a possible 120. In 2006, ADEQ issued the RI Report (Weston, 2006) for public comment to meet the requirements under A.A.C. R18-16-404(C)(1)(b) and A.A.C. R18-16-406(F). The report documented the results of the field investigation activities conducted up to 2006. Solicitation of ROs was conducted during the Community Advisory Board (CAB) meeting process per A.A.C. R18-16-406(I). The RO Report (ADEQ, 2006) was finalized in June 2006 and included as an appendix to the RI Report.

A FS Work Plan (GMCA, 2009) was prepared for ADEQ in October 2009 and a public notice was issued in 2014 in accordance with the requirements outlined in A.A.C. R18-16-404(C)(1)(d). The Univar Solutions FS Report (Arcadis, 2020) was prepared documenting the development and evaluation of alternatives for remediation of the Site and provided a recommendation of a final remedy capable of achieving the ROs developed for the Site.

A PRAP (ADEQ, 2020) was prepared based on the work executed under the FS Work Plan and contained in the FS Report. The PRAP documented the results of the RI and FS and proposed a remedy. MNA was proposed as the remedy for the Site. Based on a comparison with alternative remedies, the Selected Remedy:

- Adequately assures the protection of public health, welfare, and the environment;
- To the extent practicable, provides for the control, management and cleanup of COC contamination, maximizing beneficial use of the groundwater use; and
- Is reasonable, necessary, cost-effective, and technically feasible.

The Selected Remedy is consistent with A.R.S. §49-282.06 as it provides protection to the public by providing control of hazardous substances.

3.4 Community Involvement and Public Comment Requirements

A CAB was formed for the West Central Phoenix area and met on a regular basis to discuss the issues and status of investigation and cleanup activities conducted. These meetings were open to the public. The most recent CAB meeting was held on August 23, 2023. A Community Involvement Plan (CIP) (ADEQ, 2022) was also developed and regularly updated for the Site. The specific public participation activities that have been completed are presented in Table 2.

3.5 Schedule

The schedule for implementing the Selected Remedy will be dictated by the WQARF program priorities and available funding after the ROD has been executed and entered into the Administrative Record. MNA will be conducted until the COCs are no longer present above their respective AWQS or the Director determines that the conditions of A.R.S. §49-282.06(D) have been met. Based on current groundwater data trends, ADEQ estimates groundwater remediation at the Site will be needed for up to eight years with a contingency of four additional years as presented in Section 1.5.

During implementation of the Selected Remedy, Periodic Site Reviews will be performed at a minimum of every two years to assess the viability of the remedy.

Upon completion of remedial actions, the monitoring wells associated with the Site will be abandoned in accordance with ADWR requirements including A.A.C. R12-15-816 and the Site will be delisted in accordance with A.R.S. §49-287.01(K).

Community Involvement Activity	Regulatory Citation/Rule	Date
Establish Community Involvement Area	A.R.S. §49-289.02(A)	April/May 1998
Notice of listing on the Registry	A.R.S. §49-287.01 A.R.S. §49-289.03(A)	April 1998
Hazardous substance contamination notice and fact sheet	A.R.S. §49-289.02(B) A.R.S. §49-287.03(B) A.A.C. R18-16-404(C)(1)(i)	April 2000
Notice of RI scope of work, fact sheet, and outline of CIP	A.R.S. §49-287.03(B) A.R.S. §49-287.03(C) A.A.C. R18-16-403(F) A.A.C. R18-16-403(G)	1998
Establish CAB selection committee	A.R.S. §49-289.03(D)	April 2000
Establish CAB	A.R.S. §49-289.03(C) A.R.S. §49-289.03(F)(1)	June 2000
Prepare and update CIP	A.R.S. §49-287.03(D) A.R.S. §49-289.03(C) A.A.C. R18-16-403(E) A.A.C. R18-16-404(C)	June 2000 Updates: September 2009/April 2015/January 2019/June 2022
Land and Water Use Study Questionnaires mailed	A.A.C. R18-16-404(C)(1)(a)	March/April/ June 2001
Notice of opportunity to comment on Draft RI Report	A.A.C. R18-16-404(C)(1)(b) A.A.C. R18-16-406(F)	May 2004
Public notice for solicitation of ROs	A.A.C. R18-16-404(C)(1)(b) A.A.C. R18-16-406(I)(2)	August 2004
Notice of opportunity to comment on Proposed RO Report	A.A.C. R18-16-404(C)(1)(c) A.A.C. R18-16-406(I)(5)	January 2006
Public meeting(s) to discuss proposed/revised RO Report (if needed)	A.A.C. R18-16-406(I)(5)	Not Applicable
Notice of availability of Final RI and RO Reports	A.A.C. R18-16-406(J)	July 2006
Notice of availability of the FS Work Plan	A.A.C. R18-16-404(C)(1)(d)	October 2014
Notice of availability of the FS Report	Not Required	July, 2020
Issue notice of availability and opportunity to comment on the PRAP. Three comment letters were received.	A.R.S. §49-287.04(B) A.A.C. R18-16-404(C)(1)(e) A.A.C. R18-16-408(C)(1)	December, 2020
Notice of Cost Credit and Remedial Action	A.A.C. R18-16-409	February, 2024
Notice of ROD & Responsiveness Summary Availability	A.R.S. §49-287.04 (G) A.A.C. R18-16-404(C)(1)(f)	TBD

Table 2 - Community Involvement Activities

4.0 **RESPONSIVENESS SUMMARY**

In accordance with A.A.C. R18-16-410(B)(2) and A.R.S. §49-287.04(F), a comprehensive responsiveness summary was prepared to identify and respond to all comments received on the PRAP at the conclusion of the public comment period. A 90-day comment period for the PRAP was held starting on December 10, 2020, and was subsequently extended through March 22, 2021. Three letters containing written comments were received during the comment period as follows:

- One letter from Karis Nelson on behalf of SRP dated March 10, 2021;
- One letter from Julie Riemenschneider on behalf of City of Phoenix dated March 10, 2021; and
- One letter from Mark Metcalf on behalf of Univar Solutions dated March 22, 2021.

No other comments were received on the PRAP. A copy of the comment letters and the ADEQ response to the comments is presented in Appendix B.

5.0 COST

As required in A.A.C. R18-16-410(C), this section presents the costs (excluding non-recoverable costs) previously incurred during Site characterization and implementation of the ERAs and presents the costs of the Selected Remedy.

5.1 Historical Costs

The Site was placed on the WQARF Registry in 1998 due to the discovery of soil and groundwater contamination at the Site. Investigation and remediation by ADEQ began in 1993 and will continue as the Selected Remedy is implemented. An ERA was initiated starting in 2004 and was instrumental in reducing contaminant concentrations and risk of exposure. These activities to date have cost **\$4,695,605.46**. The total cost includes the sum of the costs incurred by the State of Arizona (**\$2,774,571.34**) and the costs incurred by Univar Solutions (**\$1,921,034.12**) that were approved by ADEQ in accordance with A.A.C. R18-16-409(H). A summary of the Univar Solutions historical costs is presented in Appendix D.

5.2 Future Costs

The estimated cost to implement the Selected Remedy at the Site is summarized in Table 3. Costs are presented in current dollars (not discounted) with 3% inflation. The detailed costs of the remedy are presented in Appendix E.

Year	Description	Cost		
1	Semi-Annual MNA at 10 Wells, Remedial Work Plan, & Replacement of WCP-201	\$220,000.00		
2	Semi-Annual MNA at 10 Wells & Periodic Review	\$90,640.00		
3	Annual MNA at 10 Wells	\$35,010.00		
4	Annual MNA at 10 Wells & Periodic Review	\$48,080.00		
5	Annual MNA at 10 Wells	\$43,332.00		
6	Annual MNA at 10 Wells & Periodic Review	\$51,008.00		
7	Semi-Annual MNA at 10 Wells	\$78,807.00		
8	Semi-Annual MNA at 10 Wells & Site Closure Report	\$121,758.00		
9	9 Site Closure and Well Abandonment of the 39 Site Monitoring Wells*			
SUBT	\$1,013,308.00			
10	Annual MNA at 10 Wells & Periodic Review	\$57,410.00		
11	Annual MNA at 10 Wells	\$44,349.00		
12	Annual MNA at 10 Wells & Periodic Review	\$60,906.00		
13	Annual MNA at 10 Wells	\$47,050.00		
SUBTO	DTAL CONTINGENCY COST	\$209,715.00		
ΤΟΤΑ	SELECTED REMEDY COST	\$1,223,023.00		
Notes				
Costs	assumes inflation rate of 3%			
*See A	Appendix C for list of wells to be abandoned			

Table 3 – Selected Remedy Cost Summary

6.0 CONCLUSIONS

The Selected Remedy chosen for the Site is MNA. MNA will be conducted for up to eight years or until the ROs for groundwater have been met. If MNA has not achieved the ROs for groundwater within eight years, a contingency of an additional four years of MNA performance monitoring will be implemented. Once ROs for groundwater have been met, remedial and monitoring activities will cease and the monitoring wells associated with the Site will be abandoned in accordance with ADWR requirements including A.A.C. R12-15-816 and the Site will be delisted in accordance with A.R.S. §49-287.01(K). At any time prior to completion of the Selected Remedy, a portion of the Site may be issued a no further action (NFA) determination in accordance with A.R.S. §49-287.01 (F) & (G).

7.0 **REFERENCES**

Arizona Department of Environmental Quality (ADEQ), 2006. Remedial Objectives Report, West Central Phoenix East Grand Avenue Site, Phoenix, Arizona. June.

ADEQ, 2018. 2018 Final Remedial Investigation Report Addendum. May 9.

ADEQ, 2020. Proposed Remedial Action Plan, West Central Phoenix – East Grand Avenue Water Quality Assurance Revolving Fund Registry Site, Phoenix, Arizona. November 15.

ADEQ, 2022. West Central Phoenix Community Involvement Plan. June.

Arcadis, 2020. Feasibility Study Report, East Grand Avenue Water Quality Assurance Revolving Fund Registry Site, Phoenix, Arizona. June.

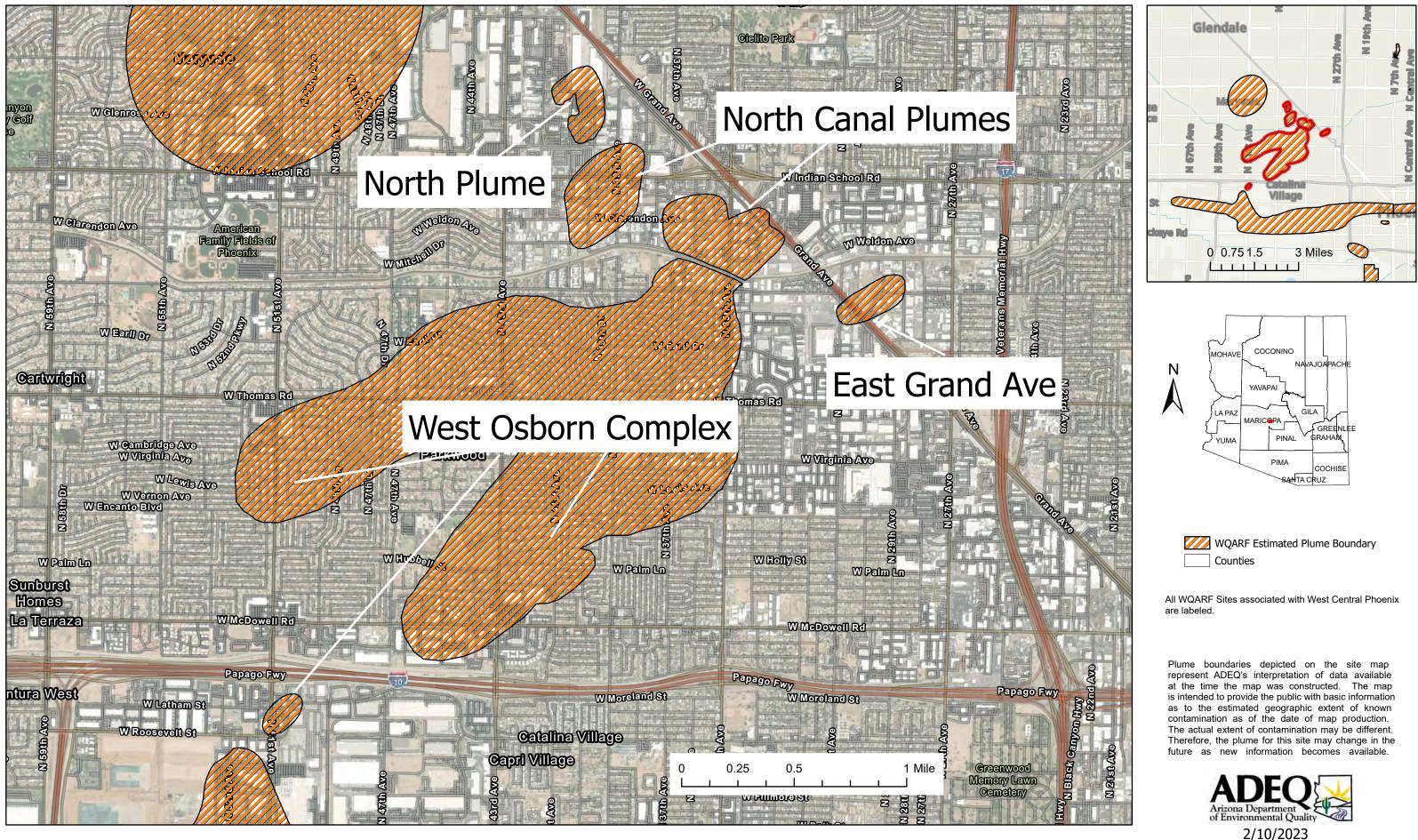
Arcadis, 2023. 2023 Annual Groundwater Monitoring Report, East Grand Avenue Water Quality Assurance Revolving Fund Registry Site, Phoenix, Arizona. November 10.

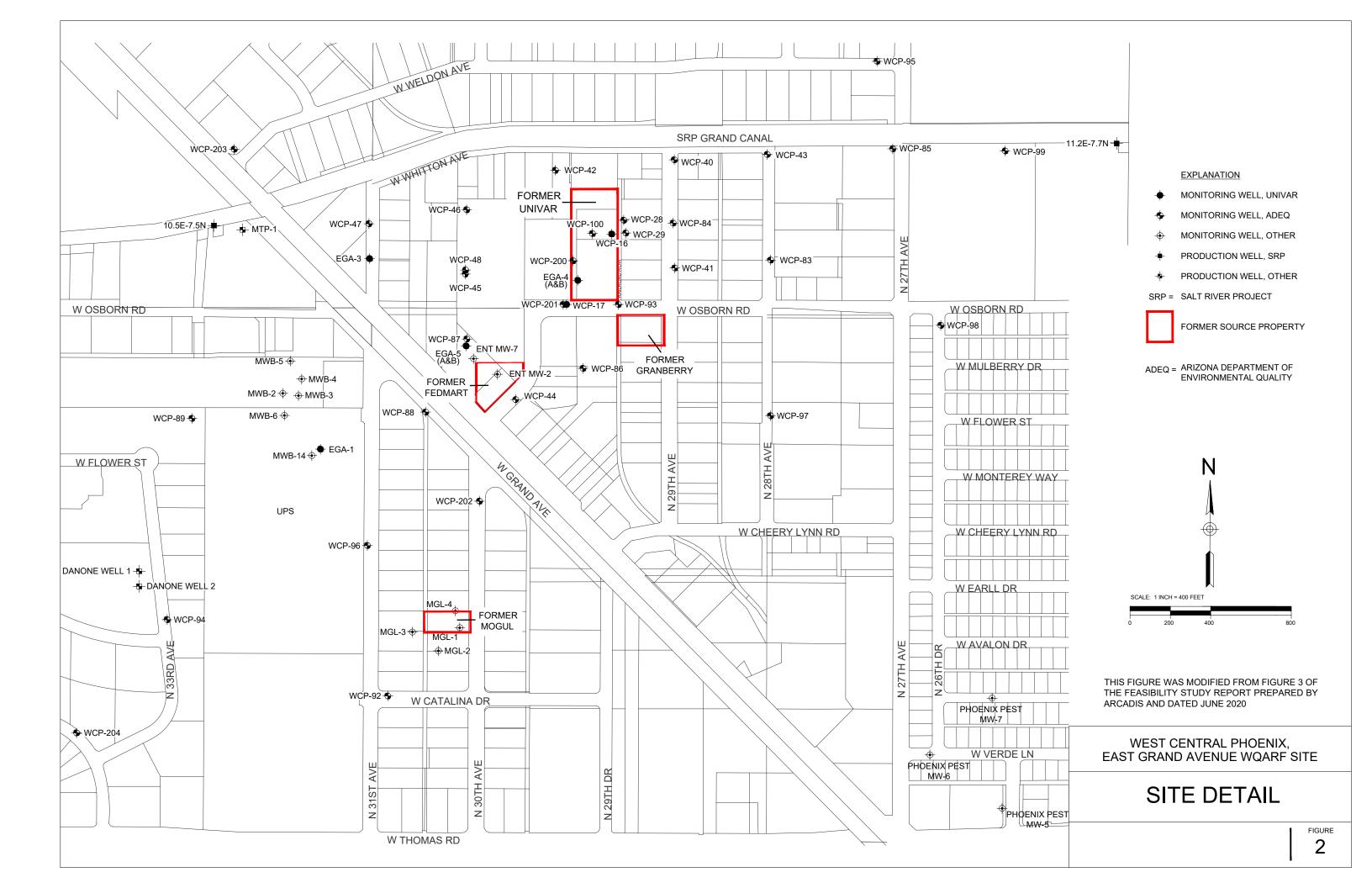
G.M Clement & Associates, Inc (GMCA), 2006. 2006 Annual Groundwater Monitoring Report, West Central Phoenix East Grand Avenue WQARF Site, Phoenix, Arizona. December.

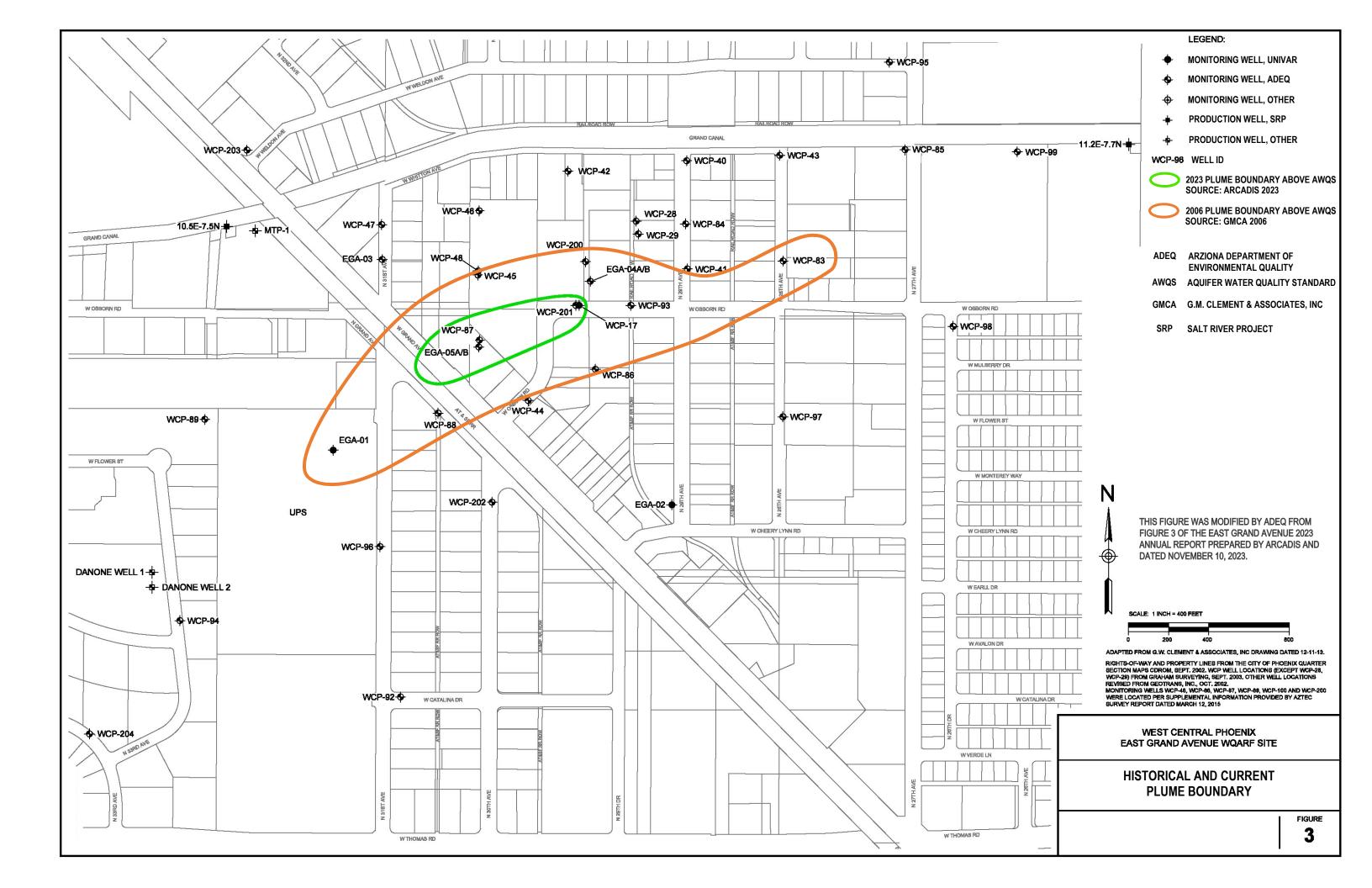
GMCA, 2009. Feasibility Study Work Plan, West Central Phoenix East Grand Avenue WQARF Site, Phoenix, Arizona. July.

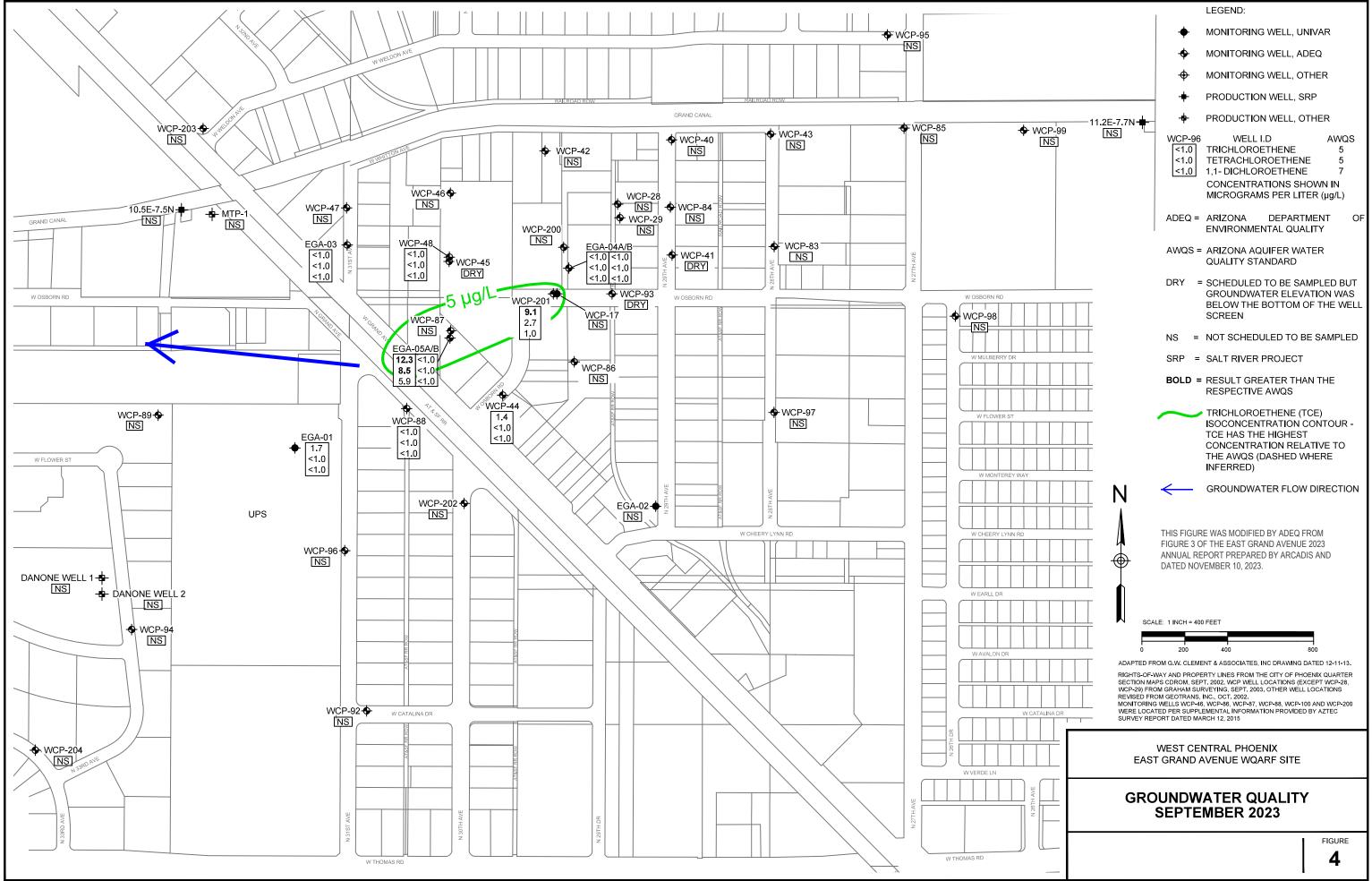
Weston Solutions (Weston), 2006. Final Remedial Investigation Report, West Central Phoenix East Grand Avenue WQARF Site, Phoenix, Arizona. June. **FIGURES**

FIGURE 1 - SITE LOCATION MAP









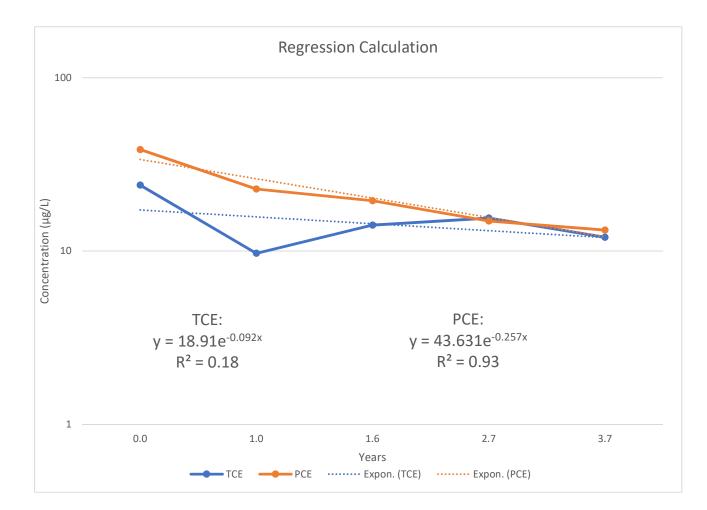


APPENDIX A

MANN-KENDALL ANALYSIS

	: 28-Feb-23				Job ID:			
Facility Name conducted By					Constituent: Concentration Units:			
						ug/L		
Sam Sampling	pling Point ID:	EGA 5A TCE	EGA 5A PCE					
Event	Date			TCE, F	PCE CONCENTRATIO	ON (ug/L)		
1	17-Jan-19	24	38.5					
2	16-Jan-20 10-Sep-20	9.7 14.1	22.8 19.5					
4	23-Sep-21	14.1	14.9					
5	21-Sep-22	12	13.2					
6								
7								
8	┥──┤							
9 10	++							
10	+ +							
12	+ +							
13	1 1							
14								
15	T							
16	+ +							
17 18	+							
10	+ +							
20	+ +				1		-	
Coefficie	nt of Variation:	0.36	0.46					
	all Statistic (S):	-2	-10					
Conf	fidence Factor:	59.2%	99.2%					
Concer	ntration Trend:	Stable	Decreasing					
	Concentration (ug/L)							EGA 5A TCE
	1 10/18	8 05/19	12/19 06/20	^{01/21} Samplin	07/21 02/ ng Date	22 08/22	03/23	
tes:	lependent samp	ling events per well	are required for calc	-	d. <i>Methodology</i> is va			Decreasing;

DISCLAIMER: The GSI Mann-Kendall Toolkit is available "as is". Considerable care has been exercised in preparing this software product; however, no party, including without limitation GSI Environmental Inc., makes any representation or warranty regarding the accuracy, correctness, or completeness of the information contained herein, and no such party shall be liable for any direct, indirect, consequential, incidental or other damages resulting from the use of this product or the information contained herein. Information in this publication is subject to change without notice. GSI Environmental Inc., disclaims any responsibility or obligation to update the information contained herein. GSI Environmental Inc., www.gsi-net.com



Sampling Date	Years	TCE (µg/L)	PCE (µg/L)
1/17/2019	0.0	24	38.5
1/16/2020	1.0	9.7	22.8
9/10/2020	1.6	14.1	19.5
9/23/2021	2.7	15.5	14.9
9/21/2022	3.7	12	13.2

Contaminant	Rate	Half-life	
Containinant	k	t _{1/2} years	
PCE	-0.257	2.696498054	
TCE	-0.092	7.532608696	

Note: µg/L: micrograms per liter PCE: Tetrachloroethene TCE: Trichloroethene

Data Source: Arcadis, 2023. 2023 Annual Groundwater Monitoring Report, East Grand Avenue Water Quality Assurance Revolving Fund Registry Site, Phoenix, Arizona. November 10.

APPENDIX B

RESPONSIVENESS SUMMARY

PROPOSED REMEDIAL ACTION PLAN COMMENTS

Written Comments from Karis Nelson with SRP

Karis Nelson wrote:

Thank you for the opportunity to review the East Grand Avenue PRAP. Based upon our review and the information provided at the WCP CAB meeting, we have no comments on the PRAP.

ADEQ Response:

Thank you.

Written Comments from Julie Riemenschneider with City of Phoenix

General Comment #1

Julie Riemenschneider wrote:

The East Grand Avenue site is 1 of 4 remaining sites included in the larger West Central Phoenix WQARF area. The City has shut off 6 municipal wells (COP 70, COP 71, COP 151, COP 152, COP 68 and COP 77) in the WCP WQARF area due to the discovery of trichloroethene (TCE) and tetrachloroethene (PCE) in the well water, as noted in your PRAP in section 3.1. The City submitted letters in August 2000, March 2005 and October 2012, to ADEQ concerning the loss of these wells due to the known groundwater contamination. The City and ADEQ have had numerous meetings through the years where the City has expressed both concern and need for this groundwater to be remediated so that these wells can be put back in service. With continued drought conditions, the City anticipates the likely need to use some or all the currently inactive City wells in this area. The PRAP and Record of Decision (ROD) should address potential well head treatment for all the City's wells within a ½ to 1 mile of the site and not just one well.

ADEQ Response:

The Proposed Remedial Action Plan (PRAP) and Record of Decision (ROD) mention that the City of Phoenix has indicated that there may be potential future use of groundwater for drinking water in the area. However, no active City of Phoenix wells are within a one-mile radius of the West Central Phoenix East Grand Avenue WQARF Site (Arcadis, 2020). It should be noted the nearest City of Phoenix production well (inactive Well #77) is located approximately one mile north and cross-gradient of the site. Therefore, these wells are not included in the PRAP or ROD.

Specific Comment #1

Julie Riemenschneider wrote:

Section 3.6.2 Groundwater, ADEQ points out the remedial objectives (ROs) for mobile home trailer park (MTP) drinking water well, Danone Waters wells and SRP wells and also references the potential for future use of groundwater by the City of Phoenix. As previously discussed, the City has 6 wells in the West Central Phoenix WQARF area that were shut off due to the WQARF contamination. Although the City is not currently pumping any municipal wells in this area, this water resource is part of our future water needs. On July 17, 2015, the City requested in writing that another RO be added "To protect future water supply should the COP need water that has been lost due to contamination" from this WQARF site. The City agrees with ADEQ that this groundwater should be restored to municipal regulatory standards for future use for all water providers.

ADEQ Response:

The PRAP and ROD mention that the City of Phoenix has indicated that there may be potential future use of groundwater for drinking water in the area. The deep aquifers (Middle Alluvial Unit and Lower Alluvial Unit) have not been affected by COCs from the West Central Phoenix – East Grand Avenue Site (Arcadis, 2020). A risk assessment was performed to determine the risk to any future groundwater use in the area. It was determined that future use would not be adversely affected by the observed conditions and will not pose a future risk to human health (Arcadis, 2020). As such, the addition of the requested RO is not required.

Specific Comment #2

Julie Riemenschneider wrote:

Section 5.1.2 Wellhead Treatment Contingencies: The City notes that none of the City wells are listed in this section. At a minimum City wells 70, 71 and 151, 152 should be listed in this section. As discussed in the ADEQ report titled *Final Remedial Investigation Report for West Central Phoenix East Grand Avenue dated June 2006*/ section 1.1 and Figure 1-1 indicates how City wells 70, 71 and 151, 152 were shut down due to TCE being detected in them in 1982, and by 1987 the West Central Phoenix WQARF sites were formed.

ADEQ Response:

City of Phoenix wells 70, 71, 151 and 152 are not within a one-mile radius of the West Central Phoenix – East Grand Avenue Site (Arcadis, 2020). Therefore, these wells do not require wellhead treatment contingencies as part of the West Central Phoenix – East Grand Avenue ROD. The TCE detection in 1982 is associated with the former West Central Phoenix WQARF Site. In 1998, the West Central Phoenix WQARF Site was split into five separate and distinct WQARF Sites, one of which is now known as the West

Central Phoenix – East Grand Avenue Site. The remedial objectives and remedies outlined in this ROD are specific only to the West Central Phoenix – East Grand Avenue Site.

Specific Comment #3

Julie Riemenschneider wrote:

Section 6.4 Consistency with Water management Plans. This section indicates there are no active supply wells currently impacted by the plume. The City's wells are inactive <u>because</u> of the plume. As stated earlier, with continued drought conditions, the City anticipates the likely need to use some or all the currently inactive COP wells in this area.

ADEQ Response:

As previously mentioned, the TCE detected in the existing City of Phoenix wells in 1982 is associated with the former West Central Phoenix WQARF Site. In 1998, the West Central Phoenix WQARF Site was split into five separate and distinct WQARF Sites, one of which is now known as the West Central Phoenix – East Grand Avenue Site (Arcadis, 2020). The COP wells are not directly impacted by the plume that is currently defined as West Central Phoenix – East Grand Avenue. This ROD is specific only to the West Central Phoenix – East Grand Avenue Site.

Specific Comment #4

Julie Riemenschneider wrote:

Table A-2 must be amended to account for well head treatment of the City's wells. Currently there is only money allotted for SRP and MTP wells.

ADEQ Response:

As previously mentioned, no active City of Phoenix wells are within a one-mile radius of the West Central Phoenix – East Grand Avenue Site (Arcadis, 2020). Therefore, these wells do not require wellhead treatment contingencies as part of the West Central Phoenix – East Grand Avenue ROD. It should be noted the nearest City of Phoenix production well (inactive Well #77) is located approximately one mile north and cross-gradient of the site.

Written Comments from Mark Metcalf with Univar Solutions

Comment #1

Mark Metcalf wrote:

Section 1.0, page 1, first paragraph

The PRAP is based on information contained in the following documents:

- Final Remedial Investigation Report, West Central Phoenix East Grand Avenue WQARF Site (Weston, 2006)
- Feasibility Study Report, East Grand Avenue Water Quality Assurance Revolving Fund Site, Phoenix, Arizona (ARCADIS, 2020)

Univar Comment:

The Remedial Investigation (RI) Addendum is not included in this list; however, it is referenced at length throughout the remainder of the PRAP document. Univar Solutions provided comments on the RI Addendum in a letter dated August 28, 2018. ADEQ acknowledged receipt of the letter but did not respond or correct the RI Addendum based on Univar Solutions' comments. There are incorrect statements in the RI Addendum that have been carried into the PRAP or it was incorrectly referenced and therefore some of Univar Solutions' comments are carried forward to this letter (see comment 2, below).

ADEQ Response:

The Feasibility Study (Arcadis, 2020) prepared by Univar references the 2018 Final Remedial Investigation Report Addendum. The RI Addendum document is additionally referenced in PRAP section 3.0 Remedial Investigation Results. ADEQ will ensure the language used in the ROD is clear and accurate.

Comment #2

Mark Metcalf wrote:

Section 3.1, page 3, first paragraph

Groundwater contamination was discovered at the Site in 1982 when trichloroethene (TCE) was detected in nearby City of Phoenix water production wells. Subsequent investigations at the Site identified the former Univar facility as the source of contamination at the Site.

Univar Comment:

These statements are misleading and in error. First, the EGA is not linked to the TCE detected in nearby City of Phoenix production wells. No evidence indicates there is a nexus between the EGA contaminant plume and City of Phoenix wells. To the contrary, sampling evidence indicates that West Central Phoenix WQARF sites, such as the West Osborn Complex (GeoTrans 2004), not the EGA Site, are the source of contamination in the City of Phoenix water production (supply) wells noted above. The wording in the PRAP strongly implies the EGA Site and Univar Solutions was responsible for the TCE detected in the City of Phoenix water supply well. That is incorrect.

ADEQ Response:

The PRAP should have specified that Groundwater contamination was discovered in 1982 <u>within the West</u> <u>Central Phoenix area</u> when trichloroethene (TCE) was detected in nearby City of Phoenix water production wells. ADEQ will ensure the language used in the Record of Decision (ROD) is clear and accurate.

Univar Comment:

Further, the 2006 RI identified multiple potential sources and two confirmed sources of contaminants of concern (COCs) to the EGA Site: the former Univar Solutions facility and the former Mogul facility. The RI also recognized the presence of unassociated chlorinated volatile organic compounds (CVOCs) sources upgradient and side gradient from the former Univar Solutions facility, and several sources of volatile organic compounds (VOCs) (e.g., benzene). Thus, it has been documented that additional source areas were historically present at the EGA Site. These source areas are discussed in the ADEQ-approved RI, the Feasibility Study (FS), and below. More detailed information can be found in the Final RI Report (Weston 2006), the Additional Potential Sources letter (Univar Solutions 2012), the RI Addendum (ADEQ 2018), and Univar Solutions' comments on the RI Addendum (Univar Solutions 2018). The RI Addendum identified one additional, potential historical source area near EGA-02 (Sections 2.4.4 and 2.4.5; ADEQ 2018, Univar Solutions 2018) located cross-gradient from the former Univar Solutions facility. These locations are shown on the attached Figures A-1, A-2, and A-3 along with the maximum, historical extent of TCE, tetrachloroethene (PCE), and 1,1-dichloroethene (1,1-DCE) at the EGA Site, respectively. The collective maximum CVOC plume extent is shown in Figure A-4. While the Site conditions have changed over time, and continue to change, the figures reasonably portray the historical location of the CVOCs in groundwater that exceeded Arizona aquifer water quality standards (AWQS). The figures were developed using multiple lines of evidence and consider: 1) the historical distributions of COCs in groundwater, 2) historical flow directions, and 3) historical soil-gas or soil results (i.e., sources of COCs to groundwater). While the actual plume may not perfectly match the isocontour at a given point in time, it illustrates the known, maximum impact to groundwater. Based on the information below, it is probable that the impacts from some of the sources were greater (e.g., EGA-02 area). As described below, historical investigations were spaced over a large period (1994 to 2018) and some investigations were inadequate. Thus, a single

snapshot of the plume in time is not possible. The extent of other COCs (like benzene) are limited in extent and are also discussed below. The COCs in each of these source areas is discussed in more detail in the RI, in Section 2.5.4 of the FS, and are summarized below:

- 1. <u>Univar Comment on former Mogul facility</u>
 - a. The former Mogul facility is located approximately 1,700 feet south and crossgradient from the former Univar Solutions facility as shown on Figure A-1.
 - A 1993 report from ADEQ concluded, "a release of metals and VOCs has occurred to the surface and due to the dry wells, potentially deep into the unsaturated zone from this site." (ADEQ 1993)
 - c. Several CVOCs were detected in soils and in groundwater beneath and adjacent to the former Mogul facility.
 - d. 1,2-DCA, benzene, and TCE were detected in former Mogul facility groundwater monitoring wells greater than the AWQS (ADEQ 1993, Weston 2006). The results are summarized in Table A-1, Figure A-1 through A-3, and in the RI.
 - e. "The contaminants in this plume appear to be from an additional source located at or near the Mogul facility and are not attributable to releases from the VW&R facility. Additionally, concentrations of VOCs detected in WCP-92, installed southeast of the Mogul facility, can be attributed to the contaminant source at Mogul." (Weston 2006)
 - f. Therefore, historical data and reports irrefutably demonstrate the former Mogul facility was a source of CVOCs and other contaminants to the EGA Site.

ADEQ Response:

The Feasibility Study (Arcadis, 2020) prepared by Univar indicates that the former Mogul facility is not considered a continuing source of Contaminants of Concern (COCs). While the former Mogul site did historically have COCs above the AWQS, these detections were primarily restricted to wells MGL-1, MGL-2 and MGL-3 on their property. As stated in the RI report, contaminants detected at the former Mogul site are not attributed to releases from the former Univar facility. Maximum groundwater concentrations for COCs in the Mogul wells MGL-1, MGL-2 and MGL-3 collected from May 2001 – November 2001 are as follows (Weston, 2006):

- PCE: 0.7 μg/L
- TCE: 9 μg/L
- 1,1-DCE: 1 μg/L

Downgradient well WCP-92 had one detection of TCE greater than the AWQS. This detection occurred in a Hydropunch[®] sample in June 2001 prior to well installation. The difference in concentration may have been attributed to the different sampling techniques, as outlined in the RI report section 7.5.1 (Weston, 2006) and the concentration continued to decrease to below AWQS as evident in the March 2003 sampling (Arcadis, 2020). This further verifies the Mogul facility site is not considered a continuing source. The Feasibility Study (Arcadis, 2020) prepared by Univar stated that the former Mogul facility is "not considered a significant ongoing source of COCs to groundwater. Therefore, a source control remedial strategy is not appropriate to safeguard or achieve the Remedial Objectives (ROs) at this time."

- 2. <u>Univar Comment on former Granberry Supply facility</u>
 - a. The former Granberry Supply facility was a generator of characteristic hazardous waste, including TCE and PCE (Univar Solutions 2012). In addition, this facility had a leaking underground storage tank (facility ID 0.005238) that was subsequently closed in 1998 (Weston 2006).
 - b. The former Granberry Supply facility was adjacent to and south of the former Univar Solutions facility.
 - c. The 2016 soil gas concentrations near the former Granberry Supply facility were generally below reporting limits (Figure A-4 and Table A-2 and A-3), indicating there is not a significant, residual/continuing source of VOCs in shallow soils at/near the former facility.
 - d. According to the FS, "the former Granberry Supply facility likely is not a continuing source of COCs to groundwater." This, along with the information noted above, indicate that while the Granberry Supply facility is not an ongoing source, it may have been a historical source of VOCs to soils and/or groundwater.
 - e. No CVOC source area investigations were conducted at this facility (i.e., no site assessments, soil samples, soil-gas samples, etc. were collected). Thus, it is unclear if the soils pose a threat to potential receptors or if the facility historically contributed to the groundwater.

ADEQ Response:

Data and regulatory records have been re-evaluated and ADEQ has determined that the former Granberry Supply facility is a contributor to the EGA plume. ADEQ used a third party allocator to identify their respective liability at the Site. The findings of the allocator will be issued to the public in accordance with ARS 49-287.05.

Contamination associated with the leaking underground storage tank (LUST) at the former Granberry Supply facility is not regulated by the WQARF program under Arizona Revised Statues (ARS) 49-283.02. This type of contamination is regulated by the ADEQ LUST program. The work at the LUST site was completed in 1998 under a risk-based corrective action (RBCA) tier 1 closure (Weston, 2006).

3. Univar Comment on WCP-202 area

- a. Concentrations of benzene in groundwater above the 5 ug/L AWQS were detected in monitoring wells WCP-44 and WCP-202. The maximum benzene concentrations were detected in WCP-202 at 6,300 ug/L, more than 1,000 times greater than the AWQS. Due to the elevated benzene concentrations, CVOC reporting limits were generally elevated in this well.
- b. According to Section 7.2 and 7.6.2.2 of the RI Report (Weston 2006):
 - i. "Although WCP-44 and WCP-202 are located near documented [Leaking Underground Storage Tank] LUST sites (Former Arco, Former Fedmart, Former Granberry, Former Southwest Roofing), the high concentrations of benzene detected at these locations, up to 6,300 μg/L in WCP-202, appear to be the result of an unrelated benzene release."

- "Analytical results were also evaluated for WCP-202, located southwest of ENT-MW-2 and WCP-44. Based on a review of the chromatograms and spectra for this well, there were no hydrocarbon peaks present and the high benzene detections were attributed to a benzene release."
- c. The high concentrations of benzene demonstrate there was a VOC source present near or upgradient from monitoring well WCP-202. The benzene was not attributed to the Former Univar Solutions facility and no reported attempt was made to investigate the source of VOCs to WCP-202 or the distribution of benzene at the EGA Site.
- d. No CVOC source area investigations were conducted near this area (i.e., no site assessments, soil samples, soil-gas samples, etc. were collected). Thus, it is unclear if the soils pose a threat to potential receptors or groundwater.

ADEQ Response:

Data and regulatory records have been re-evaluated and ADEQ has determined that the former FedMart facility is a contributor to the EGA plume. ADEQ used a third party allocator to identify their respective liability at the Site. The findings of the allocator will be issued to the public in accordance with ARS 49-287.05.

Regarding the benzene release, the additional sites mentioned in the comment, including FedMart, were evaluated because of the high benzene concentration detected in WCP-202. However, findings were inconclusive and the RI was finalized stating "*The source of the benzene release is unknown at this time.*" The subsequent FS had no further mention of benzene or WCP-202. Univar has not provided sufficient new information or data to ADEQ, in accordance with the Arizona Revised Statues (ARS) 49-287.04, that warrants additional investigation by ADEQ of these facilities and areas. WCP-202 has had no benzene detections since at least 2008 and downgradient wells have been below AWQS or below laboratory reporting limits (Arcadis, 2023).

4. Univar Comment on EGA-02/29th Avenue area

- a. Elevated VOC concentrations were detected in shallow soil-gas samples collected south (cross-gradient) and east (upgradient) from the former Univar Solutions facility in 2016 and 2017 (ADEQ 2017, ADEQ 2018, Arcadis 2018). In addition, CVOC soil-gas concentration bullseye(s) was detected near industrial buildings located south of the former Univar Solutions' facility (Figure A-4).
- b. According to the RI Addendum (ADEQ 2018), PCE, TCE, and chloroform soil-gas concentrations were detected at concentrations greater than the U.S. Environmental Protection Agency (USEPA) non-residential soil vapor screening levels (SVSLs) in 2016 and 2017. The SVSLs were based on the USEPA Regional Screening Levels (RSLs) and an attenuation factor of 0.03 (ADEQ 2018). The maximum soil-gas concentrations were: 380 micrograms per cubic meter (ug/m3) of chloroform; 45,000 ug/m3 of TCE; 1,600 ug/m3 of PCE. The respective non-residential SVSLs are 18 ug/m3, 100 ug/m3, 1,567 ug/ m3. Thus, these compounds exceed the non-residential SVSL by 22, 450, and 1.02 times, respectively. The TCE non-residential SVSL

reported in the RI Addendum was based on outdated TCE guidance and should have been 100 ug/m3 given the current industrial air screening level 3 ug/m3.

- c. Based on Univar Solutions' review of the RI Addendum, bromodichloromethane also exceeded the non-residential SVSLs (Table A-2 and Table A-3). Further, benzene and ethylbenzene exceeded the residential SVSL (Table A-2). Thus, these COCs also could pose a threat to human health now or in the future.
- d. While a full list of VOCs was evaluated in the 2016 soil gas study, only a short list of VOCs was used in the 2017 soil gas study. Thus, many of the VOCs (like benzene) that were detected in the 2016 soil gas samples were not analyzed in the subsequent 2017 soil gas samples (WM-01 through WM-64). Further other VOCs like benzene were not evaluated in the report despite exceeding the residential and/or non-residential SVSL and despite being detected in groundwater at the EGA Site. The 62 samples (WM-01 through WM-64) collected in 2017 were only analyzed for six VOCs, as reported in Table A-3. Thus, other VOCs could have exceeded screening criteria where these samples were collected. The RI Addendum should have retained all VOCs greater than screening criteria at a minimum.
- e. The RI Addendum did not compare the soil-gas concentrations to residential standards and thus does not consider future uses of the properties. The RI Addendum also did not assess other VOCs like benzene. As stated above, there were significant historical concentrations of benzene in groundwater at the EGA Site at monitoring well WCP-202. Thus, analysis and evaluation of benzene data was needed for all soil gas samples in this area.
- f. The 2016/2017 soil gas study was conducted predominantly within the City of Phoenix rightof-way along the roadways. Thus, the soil-gas samples were indirectly measuring soil-gas concentrations at adjacent properties and as such would generally underestimate soil-gas concentrations at these properties and thus underestimate soil concentrations. Further, they had not adequately pinpointed the source area(s) the study was designed to evaluate. Only a handful of the soil gas samples were collected from the parcels where the primary VOC releases would have occurred (e.g., dry wells, tanks, spills, etc.).
- g. The soil gas investigation reveals there were releases and sources of VOCs and CVOCs at or near the Maricopa County Parcel numbers: 108-05-014, 108-05-015, 108-04-016A, 108-04-018, and 108-04-019. The highest concentrations were observed on parcel 108-05-014 (Figure A-4).
- h. According to ADEQ's Site Investigation Manual (2014), soil gas surveys (particularly passive sampling) are intended for identification of sources areas to guide further investigation or remediation, not for final delineation or compliance determinations. No site investigations (SI's) or RIs were conducted at these parcels to identify potential sources of the VOCs and no soil borings, test pits, soil samples, or groundwater samples were collected from these parcels to evaluate potential sources of the VOCs or delineate the observed VOCs. That is particularly concerning given that VOC concentrations were observed greater than the nonresidential SVSLs in soil gas and the historical detections of VOCs in groundwater greater than the AWQS downgradient from these areas. Thus, it is unclear if the soils pose a threat to potential receptors or groundwater.
- i. Given the location of the soil gas samples (Figure 4), the date of the investigation relative to the likely release dates, and the fact that most of the parcels were not evaluated, it is very probable that soil gas concentrations and soil concentrations within the source areas were significantly greater historically than they were in 2016 and 2017 (i.e., 20 to 50 years after the releases). Many of the parcels noted above have been used for commercial/industrial purposes dating back to the 1960s. CVOCs are volatile and thus concentrations naturally

volatilize, diffuse, and spread reducing concentrations over time. Thus, concentrations today can easily be an order of magnitude less (or more) than historical concentrations. In other words, this site posed significantly more risk to receptors and groundwater in the past than today.

- j. One deep soil boring and groundwater well (EGA-02) was installed east of one of the probable source area(s) on 29th Avenue in 2017. As indicated earlier, the Attachment A Page 6 of 14 investigation indirectly evaluated potential sources. Based on the soil gas data, the source of the CVOCs to EGA-02 likely came from the central portions of parcel 108-05-014 or 180-04-019. Monitoring well EGA-02 was installed approximately 50 to 300 feet east and upgradient from these probable source areas. CVOCs were detected in all EGA-2 soil-gas samples collected from the first sample at 40 feet bgs all the way to groundwater (approximately 150 feet bgs), indicating that CVOC contamination from a nearby source(s) had historically migrated through the vadose zone to groundwater. The maximum soil gas concentrations (1,1-DCA = 2,207 ug/m3; 1,1-DCE = 51,610 ug/m3; and TCE = 70,350 ug/m3) were detected at approximately 100 feet below the ground surface (bgs) at concentrations above the respective USEPA industrial RSLs and SVSLs.
- k. Important soil properties like fraction of organic carbon, bulk density, soil moisture, and air-filled porosity were not analyzed during the 2016 and 2017 investigations (ADEQ 2014, 2018). Further, passive sampling techniques are less quantitative measures of actual soil vapor concentrations and ADEQ's Soil Vapor Sampling Guidance (2008) states "This guidance describes procedures for collection of active soil vapor samples and does not address procedures for collection of passive soil vapor samples." As such, an accurate conversion of the soil gas concentrations to soil concentrations could not be conducted. These variables significantly affect the conversion of soil gas concentrations to soil concentrations. A sensitivity analysis should be conducted to assess the potential error introduced in the conversion form soil gas to soil concentrations.
- CVOC concentrations in monitoring well EGA-02 were less than the AWQS. However, as noted above, this well is located significantly upgradient from the potential and probable release and likely installed decades after the release(s) given the historical and more recent property uses. Thus, they cannot be used to reliably conclude if historical releases resulted in impacts to groundwater.
- m. Based on the RI Addendum and communications with the ADEQ (personal comm. 2018), ADEQ did not attempt to identify the source of the CVOCs described above nor did they physically investigate the facilities where elevated soil-gas concentrations were present.
- n. Based on boring/monitoring well EGA-02, the RI Addendum concluded there were no sources of CVOCs in the area. However, that conclusion was based on insufficient and flawed characterization as discussed above. Again, monitoring well EGA-02 was installed 50 to 300 feet upgradient from the probable release area(s). For comparison monitoring wells WCP-28 and WCP-29 were located approximately 100 to 200 feet upgradient from the former Univar Solutions release area and were 2 to 3 orders of magnitude less than the wells within the former Univar Solutions source area. If the TCE concentrations from EGA-02 are increased by 2-3 orders of magnitude, they would exceed AQWS, further supporting the probable existence of a downgradient source. Thus, the RI Addendum investigation and conclusions were flawed, particularly 20, 30, 40, 50 years after a release. Instead, the RI Addendum investigation should have first attempted to identify the release location(s) and sources through additional soil gas sampling and soil sampling. Following, identification of the source area, one or more monitoring wells should have been installed below and slightly

downgradient from the source area not upgradient from it. Further, the RI Addendum needed to consider historical impacts to groundwater. The rationale followed by ADEQ to investigate the source of VOCs near EGA-02 clearly did not follow industry best practices and did appear not even meet ADEQ's best practices or guidance. For example, no conceptual site model was developed, soil borings, or wells were not installed in the appropriate location, no investigation rationale was provided, and all documentation was sub-standard.

- o. Historical CVOC concentrations in the groundwater downgradient from EGA-02 at the Former Mogul facility wells were historically elevated above the AWQS in 2001 (Weston 2006). Further, CVOCs were detected in downgradient monitoring wells WCP-92 and WCP-202 at or near the AWQS. These data indicate upgradient sources of VOCs were present.
- p. Given the law of conservation of mass and the fact that VOCs are volatile and soluble at moderate concentrations, the 2016 and 2017 soil gas and groundwater concentrations would be significantly less than historical concentrations. Thus, it is probable historical concentration were significantly greater.
- q. Based on these observations, ADEQ's investigation and assessments did not appear to substantively follow ADEQ's Site Investigation Manual (2014). ADEQ should state whether they followed ADEQ's guidance and where they did not follow this guidance and why.
- r. The VOCs near EGA-02 were not mentioned in the PRAP or in the identification of the potential responsible parties (PRPs). Based on this collective information, the PRAP mistakenly concludes no additional sources of VOCs at the EGA Site were present in this area. Further, the PRAP wrongly concludes there is no soilgas threat based on the data reported in the RI Addendum. Arcadis and Univar Solutions discussed these technical concerns with the ADEQ on February 22, 2019 and commented on the ADEQ's RI Addendum in a letter dated September 12, 2019. However, ADEQ did not respond to the letter.

ADEQ Response:

The Feasibility Study (Arcadis, 2020) prepared by Univar acknowledges that there were detections of soil vapor COCs in the vadose zone around the EGA-02 well and 29th Avenue area. ADEQ follows Arizona regulatory standards, not regulatory standards administered by the United States Environmental Protection Agency (EPA). Thus, ADEQ regulates to the State of Arizona Soil Remediation Levels (SRLs) and Groundwater Protection Levels (GPLs), not the EPA Regional Screening Levels (RSLs) or Soil Vapor Screening Levels (SVSLs). When the soil gas concentrations are converted to soil concentrations per A.C.C. R18-7-203(C), the detections are below calculated non-residential SRLs and GPLs. As stated in the RI addendum, *"The soil concentrations calculated from the soil gas results are all below the minimum GPLs for groundwater. Thus, the results of the investigation did not identify any additional sources or properties which could be contributing to the VOC groundwater contamination at the Site" (ADEQ, 2018). While the RI Addendum (ADEQ, 2018) did not include a comparison between the soil gas concentrations and residential standards, the concentrations are below residential SRL standards.*

The remedial objectives target specific chlorinated volatile organic compounds PCE, TCE and 1,1-DCE, as the Site COCs. The purpose of the 2017 soil gas investigation was to identify additional sources that could be contributing to the COC groundwater contamination at the site. The passive monitoring of the shallow gas boreholes in April and June 2017 was done in part to identify the best location, closest to the area

with the highest passive detection of COCs, to install monitor well EGA-02. Well EGA-02 was installed close to boring WM-50, which had a higher concentration of COCs detected than borings closer to the center of parcels 180-05-014 and 180-04-019. Soil gas samples were collected from EGA-02 and analyzed by active sampling method TO-15 in November 2017, and groundwater was collected from EGA-02 from November 2017 to January 2018. As stated above, all soil gas samples were below calculated non-residential and residential SRLs and GPLs and all groundwater samples were below AWQS (ADEQ, 2018). Subsequent groundwater samples collected from well EGA-02 have also been below the AWQS (Arcadis, 2023). As stated previously, Univar has not provided sufficient new information or data to ADEQ, in accordance with the Arizona Revised Statues (ARS) 49-287.04, that warrants additional investigation by ADEQ of these facilities and areas.

Further, Univar, per the ADEQ approved Monitoring Well Installation and Groundwater Monitoring Work Plan prepared by Univar dated August 9, 2019, was provided the opportunity to collect the data necessary to complete the Feasibility Study Report. The purpose of the ADEQ approved 2019 work plan, as stated in Section 2, was *"to confirm and assess the current COC concentrations prior to completion of the FS."* Thus, Univar was provided the opportunity to collect the data deemed necessary to validate their claims of additional sources of contamination at the Site. It is unclear why Univar did not propose and conduct additional investigation at the Site based on their concerns of additional contamination at the Site.

Regarding the conclusion that there is no soil gas threat, the PRAP was based on the data and conclusions presented in the Feasibility Study (Arcadis, 2020) that was prepared by Univar. The Feasibility Study concluded "Based on the results [summarized in the FS], soils are not a media of concern for the EGA Site." This conclusion, made by Arcadis on behalf of Univar, contradicts Univar's comment regarding the Risk Evaluation Summary. ADEQ approved the Feasibility Study, thus agreeing with the Univar / Arcadis conclusion presented in the Feasibility Study that states the EGA-02/29th Avenue area is "not considered a significant ongoing source of COCs to groundwater. Therefore, a source control remedial strategy is not appropriate to safeguard or achieve the Remedial Objectives (ROs) at this time."

Although ADEQ does not consider any of the parties in the vicinity of the EGA-02 well and 29th Avenue area as potential responsible parties at the Site, ADEQ used a third-party allocator to identify the responsible parties and their respective liability at the Site. The findings of the allocator will be issued to the public in accordance with ARS 49-287.05.

- 5. <u>Univar Comment on Upgradient source(s)</u>
 - a. Elevated VOC concentrations were detected in shallow soil-gas samples collected east and upgradient from the former Univar Solutions facility as shown on attached Figures A-1 and A-4 and within the RI Addendum.
 - b. According to the ADEQ-approved RI and the FS, CVOCs were detected at concentrations greater than the AWQS in several monitoring wells upgradient of the former Univar Solutions facility: WCP-41, WCP-83, WCP-85. Monitoring well WCP-85 is located nearly 1,500 feet upgradient from the former Univar Solutions facility near the Grand Canal. The recharge from the Grand Canal historically resulted in a large hydraulic mound which forced groundwater

away from the canal to the south and southwest. This created a hydraulic barrier that would have prevented migration of COCs from the former Univar Solutions upgradient to the east/northeast as demonstrated by historical groundwater elevation maps. The historical groundwater flow directions are described in the RI and the FS (Weston 2006, Arcadis 2018). The long-term flow directions are validated by the plume orientation pointing to the southwest. Further, the CVOC concentrations decreased from upgradient monitoring well WCP-83 to the more downgradient monitoring well WCP-41 and both of these wells have historically been upgradient from the former Univar Solutions facility.

- c. ADEQ made no reported attempt to investigate the potential sources of these CVOCs other than the shallow soil gas investigation conducted in 2016 in the City of Phoenix right-of-way, 10 years after the upgradient source was reported in the RI. As noted earlier, studies conducted in the right-of-way, distal from the releases and several decades after the release was an ineffective approach to evaluate sources of VOCs to groundwater and leads to inaccurate and unreliable conclusions.
- d. The location of the wells upgradient from the former Univar Solutions facility, the hydraulic barrier, and the CVOC concentrations trends from upgradient to downgradient, affirm that CVOCs located in the upgradient area were not associated with and did not migrate from the former Univar Solutions facility. This demonstrates there was another source of CVOCs to groundwater at the EGA Site upgradient (east, northeast) of the former Univar Solutions facility. This is also corroborated by the soil-gas data which indicate a VOC source is/was present east and upgradient of the former Univar Solutions facility (see Figure A-4). This additional source of VOCs was not mentioned in the PRAP or in the identification of the PRPs. Based on this collective information, the PRAP cannot reasonably conclude additional sources of VOCs in the area upgradient from the former Univar Solutions facility were not present or that Univar Solutions is the only PRP.

ADEQ Response:

The Feasibility Study (Arcadis, 2020) prepared by Univar acknowledges that the Weston 2006 RI concluded that there were detections of TCE above the AWQS upgradient of the former Univar Solutions facility. However, the maximum TCE concentration in the upgradient area was recorded in 2007 at 20 μ g/L in well WCP-83, and the COC levels have been below the AWQS in all upgradient wells since 2013 (Arcadis, 2020). By comparison, the maximum TCE concentration at the former Univar Solutions facility was in 1997 at 2,700 μ g/L. (Weston, 2006). Upgradient wells WCP-41 and WCP-83 were also sampled chronologically closer to the mentioned 1997 maximum concentration date, with TCE detections at 10 μ g/L in 1999 and 13 μ g/L in 2001, respectively (Weston, 2006). This shows that despite the 10-year period between the maximum concentration dates, the historical impact of the upgradient area has not been a major contributing source to the current plume. Further, as indicated in the FS, the TCE concentration in well WCP-41 has been decreasing since 2001 and fell below AWQS in 2003. Well WCP-83 has been decreasing since 2003 (Arcadis, 2020).

The third upgradient well mentioned, WCP-85, had a maximum TCE concentration of 8 μ g/L in February 2001 and had dropped to below AWQS by August 2001. No COCs were detected in the well in January 2002 (Weston, 2006). This further shows that the historical impact of the upgradient area has not been a contributing source to the current plume.

The 2016 soil gas survey found no detections of TCE and only two soil gas samples from the upgradient area collected by method TO-15 had detections for PCE. These detections were 0.0161 mg/m³ and 0.0138 mg/m³ which are well below the calculated SRLs and GPLs. Therefore, the upgradient site is "not considered a significant ongoing source of COCs to groundwater. Therefore, a source control remedial strategy is not appropriate to safeguard or achieve the Remedial Objectives (ROs) at this time." as documented in the Feasibility Study prepared by Univar.

Although ADEQ does not consider any of the parties around the upgradient area as potential responsible parties at the Site, ADEQ used a third-party allocator to identify the responsible parties and their respective liability at the Site. The findings of the allocator will be issued to the public in accordance with ARS 49-287.05.

Univar Comment:

Based on these facts and data, the PRAP incorrectly concluded Univar Solutions was the sole source of COCs at the EGA Site. Therefore, the statement "Subsequent investigations at the Site identified the former Univar facility as the source of contamination at the Site." is false. For these reasons, the PRAP and the Final 287.04 package identifying PRPs is incorrect and should be corrected. The data clearly establishes that there is a complex mixture and comingling of VOC sources at the EGA Site and some of the responsible parties are known, such as the Former Mogul facility and others are uncertain or pending. Additional investigations of these other unknown sources are warranted as they may pose a threat to human health and the environment and may or likely are a PRP at the EGA Site.

ADEQ Response:

Data and regulatory records have been re-evaluated and ADEQ has determined that the former Univar Solutions facility is the main source of groundwater contamination; however, the former Granberry Supply facility and the former FedMart facility were also contributors to the EGA plume. As previously mentioned, ADEQ used a third party allocator to identify their respective liability at the Site. The findings of the allocator will be issued to the public in accordance with ARS 49-287.05.

In summary to the responses provided previously about the other locations, ADEQ currently does not consider the former Mogul facility, the WCP-202 area, the EGA-02/29th Avenue area or the upgradient area as potential responsible parties at the Site based on the following:

A. ADEQ has conducted numerous investigations throughout the Site as documented by the Remedial Investigation Report (Weston, 2006) and the Remedial Investigation Addendum (ADEQ, 2018). The data show none of these facilities or areas significantly contributed to the groundwater contamination associated with the Univar Facility.

- B. The Feasibility Study (Arcadis, 2020) prepared by Univar stated these facilities and areas are *"not considered a continuing source of COCs to groundwater at the EGA Site."*
- C. Univar has not provided sufficient new information or data to ADEQ, in accordance with the Arizona Revised Statues (ARS) 49-287.04, that warrants additional investigation by ADEQ of these facilities and areas.
- D. Univar, per the ADEQ approved Monitoring Well Installation and Groundwater Monitoring Work Plan prepared by Univar and dated August 9, 2019, was provided the opportunity to collect the data necessary to complete Feasibility Study Report. The purpose of the work plan, as stated in Section 2 of the ADEQ approved work plan, was *"to confirm and assess the current COC concentrations prior to completion of the FS."* Thus, Univar was provided the opportunity to collect the data deemed necessary to validate their claims of additional sources of contamination at the Site. It is not clear why Univar did not propose and conduct additional investigations at the Site based on their concerns of additional contamination at the Site.

Comment #3

Mark Metcalf wrote:

Section 3.2, Source of Contamination, page 3

Data collected during the remedial investigation and follow-up investigations indicated that contaminant releases occurred in soil and groundwater at the Site. The source of this contamination is the area near and under the former building foundation at the former Univar facility. No other sources of contamination have been identified at the Site (ADEQ, 2018).

Univar Comment:

It is false to say "The source of this contamination is the area near and under the former building foundation at the former Univar facility. No other sources of contamination have been identified at the Site (ADEQ, 2018)." While the former Univar Solutions facility was one of the sources of VOCs to the EGA Site, it was not the only source. As indicated in comment 2, the RI and the RI Addendum both reveal that additional sources of VOCs and other COCs are and/or were present at the EGA Site. While ADEQ has not yet identified the origin of many of those sources, it does not follow that the former Univar Solutions was responsible for all of the releases and contamination. Univar Solutions has informed ADEQ on several occasions that additional sources of contaminants were present at the Site, and provided information, data, and support for the same (Univar Solutions 2012 and Arcadis 2018). Further, ADEQ and Weston stated additional sources were present (see above). Thus, these statements (and similar statements) should be revised to state that other sources are and were present at the EGA Site. Further, it is incumbent on ADEQ to identify these other sources, if possible, and if they cannot be identified, they should be classified orphan sites.

ADEQ Response:

As previously mentioned in response to Comment #2, data and regulatory records have been re-evaluated and ADEQ has determined that the former Univar Solutions facility is the main source of groundwater contamination; however, the former Granberry Supply facility and the former FedMart facility were also contributors to the EGA plume. ADEQ used a third party allocator to identify their respective liability at the Site. The findings of the allocator will be issued to the public in accordance with ARS 49-287.05.

Comment #4

Mark Metcalf wrote:

Section 3.3, Contaminants of Concern, page 4

The Contaminants of Concern (COCs) at the Site include compounds that have been detected above regulatory standards in the soil and groundwater as presented below:

- Soil The soil at the Site does not contain any compounds with concentrations that exceed regulatory standards.
- Groundwater The COCs in the groundwater at the Site include tetrachloroethene (PCE), TCE, and 1-1-dichloroethene (1,1-DCE). These contaminants are currently present in the groundwater at the Site at concentrations that exceed regulatory standards.
- Other Chemicals Other chemicals that have periodically been detected at concentrations above applicable regulatory standards at the Site include 1,1,1-trichloroethane and Freon 11. None of these compounds are considered COCs at the Site.

Univar Comment:

The PRAP does not address the VOCs that exceeded USEPA soil-gas screening levels in several areas that may pose an unacceptable risk to current or future human health as indicated above and in the RI Addendum. Table A-2, A-3, and A-4 summarize the soil-gas data and highlights where exceedances of criteria were observed.

Benzene was not included as a COC (see Comment 1) and the rationale for excluding 1,1,1-trichloroethane and freon 11 as COCs were not provided. As stated in Section 7.2 and 7.6.2.2 of the RI Report (Weston 2006), benzene was detected at concentrations more than 1,000 times greater than the AWQS in monitoring well WCP-202 in 2001 (and other wells). The source of the benzene was not identified but was attributed to a benzene product release (i.e., not a gasoline release) nor was it attributed to former Univar Solutions facility (Weston 2006). The benzene exceeding AWQS detected in WCP-44 was attributed to the Former Fedmart/Sunbelt gasoline release which was addressed separately and subsequently closed in 2018 (ADEQ 2021). Thus, only the benzene in WCP-202 remains open. Other gasoline releases were also present and include the former Southwest Roofing facility). See response to comment 2, part 4. Therefore, the PRAP is incorrect as written and the PRAP should address these other compounds or state how they will be addressed elsewhere. The PRAP also should speak to the data gaps and how those will be resolved.

ADEQ Response:

As previously stated, ADEQ follows Arizona regulatory standards, not regulatory standards administered by the United States Environmental Protection Agency (EPA); therefore, ADEQ regulates to the state Soil Remediation Levels (SRLs) and Groundwater Protection Levels (GPLs), not the EPA Regional Screening Levels (RSLs) or Soil Vapor Screening Levels (SVSLs). When the soil gas concentrations are converted to soil concentrations per A.C.C. R18-7-203(C), the detections for non-COC parameters listed in response tables A-2, A-3 and A-4 are below residential and non-residential SRLs and GPLs. Again, as previously mentioned, the Feasibility Study (Arcadis, 2020) prepared by Univar concludes that *"Based on the results [summarized in the FS], soils are not a media of concern for the EGA Site."*

As previously stated, the RO report (Weston, 2006, and ADEQ, 2006) identified chlorinated volatile organic compounds PCE, TCE and 1,1-DCE, as the Site COCs. The remedial objectives outlined in the RO report are to protect current and future use of groundwater for drinking water use by the Mobile Home Trailer Park (MTP) well, the Danone Waters wells, and SRP wells from the COCs emanating from the Site. None of the non-COC compounds listed in response tables A-2, A-3 and A-4 have been detected in groundwater samples above the AWQS (Arcadis, 2023). As such, as stated in the FS prepared by Univar, these parameters are "not considered a significant ongoing source of COCs to groundwater. Therefore, a source control remedial strategy is not appropriate to safeguard or achieve the Remedial Objectives (ROs) at this time."

Regarding the benzene detected in WCP-202, see the ADEQ response to comment 2, part 3.

Comment #5

Mark Metcalf wrote:

Section 3.3, Contaminants of Concern, page 4

Compounds that exceed the Aquifer Water Quality Standard (AWQS) include PCE, TCE, and 1,1-DCE.

Univar Comment:

See comment 4.

ADEQ Response:

PCE and TCE are the only COCs currently identified above applicable regulatory standard for the WCP-EGA site.

Comment #6

Mark Metcalf wrote:

Section 3.5, Risk Evaluation Summary, page 4

Multiple investigations have been conducted at the Site since VOCs were initially detected in the groundwater in 1982. The data from these investigations were used to evaluate the risks that the soil, soil vapor, and groundwater pose to the public and the environment. The risk evaluations indicate there is no current human health risk from soil, soil vapor, or groundwater contamination.

Univar Comment:

As noted in comment 4, the PRAP does not address certain VOCs identified in the RI or the RI Addendum and that exceeded USEPA soil-gas screening levels in several areas that may pose an unacceptable risk to current or future human health, particularly near EGA-02 where soil-gas concentrations are significantly greater than the industrial SVSLs (ADEQ 2018). Most notably, TCE was detected at concentrations as high as 45,000 ug/m3 near existing buildings including a possible church. The USEPA residential air screening level is 0.48 ug/m3 and the industrial air screening level is 3 ug/m3 for TCE. The soil gas results are summarized in Figure A-4 and Tables A-2, A-3, and A-4. Are these elevated soil-gas concentrations being addressed outside the PRAP and if so how? Any additional data or investigations associated with this release are considered relevant to the EGA Site and must therefore be disclosed in the EGA Site public record.

ADEQ Response:

See ADEQ response to comment 4 and comment 2, part 4.

Comment #7

Mark Metcalf wrote:

Section 4.2, Development of the Reference Remedy and Alternative Remedies, page 7

Wellhead Treatment (Contingency) – Wellhead treatment would be a contingency to treat impacted groundwater withdrawn from the aquifer from a drinking water well.

Univar Comment:

All remedies in the PRAP include a contingency remedy of wellhead treatment regardless of the risk or probability. The rationale for selecting the wellhead treatment contingency was not provided. The FS and PRAP conclude there are no current risks to human health from groundwater (Section 3.5). The FS also

indicated that the COCs in groundwater did not pose a threat to existing water supply wells or foreseeable groundwater uses. Further, the probability of needing a contingency, particularly wellhead treatment is extremely low (Arcadis 2020).

The PRAP assumes the Mobile Home Trailer Park (MTP) potable well and/or Salt River Project (SRP) irrigation well could become impacted by COCs in groundwater associated with the EGA Site. As demonstrated in the FS (Arcadis 2020), neither of these wells are threatened by the EGA Site. Further, COC concentrations have been stable and/or decreasing with time in all wells (Arcadis 2020). Figure A-5 illustrates the long-term decreasing trend of TCE concentrations in monitoring well WCP-87 and EGA-05 (replacement well to WCP-87). Thus, it is unreasonable, unnecessary, and not cost-effective to provide a wellhead treatment contingency of \$7.51 million (Section 5.4). Instead, the PRAP should consider the more cost-effective and more reasonable contingency remedies proposed in the FS, which are fully capable of protecting the water supply in the unlikely event a contingency remedy is needed. Those contingencies include:

- 1. Plume containment and hot-spot treatment
- 2. Well modification or replacement

Numerous other more reasonable and cost-effective contingencies or combination of contingencies also could be considered.

Arizona Revised Statute (ARS) 49-282.06 provides,

Remedial actions shall: 1) assure the protection of public health and welfare of the environment, 2) to the extent practicable provide for the control, management or cleanup of the hazardous substances in order to allow the maximum beneficial use of the waters of the state, and 3) <u>be reasonable, necessary and cost-effective</u>.

As stated above, the well head contingency remedy does not appear to be reasonable, necessary, or cost effective given the information provided in the RI, the FS, and the PRAP. Thus, it does not comply with the statutes. The PRAP should include contingencies consistent with ARS 49-282.06; consider the need for (probability of) the contingency remedy(s); and the cost-effectiveness of the contingency remedy(s) as described in the FS. Therefore, the contingency remediation costs (\$7.51 million) are inappropriate and must be revised consistent with the FS and ARS 49-282.06.

ADEQ Response:

ADEQ has re-evaluated the proposed contingency and has determined it is not required.

Comment #8

Mark Metcalf wrote:

Section 5.1.2, Wellhead Treatment Contingency, page 9-10

Wellhead treatment could be implemented at two down-gradient production wells (Mobile Home Trailer Park Well and adjacent SRP production well 10.5E-7.5N) if they become impacted with groundwater contamination associated with the Site and their use is restricted due to COCs present in the water supplied from the well. Wellhead treatment will consist of LGAC treatment. The cost of installing wellhead treatment at a production well is well specific and would be variable depending on the well location, well production rate, and the timing of bringing the well online. This contingency assumes that one production well with a production rate of 1,000 gallons per minute (gpm) and one production well with a production rate of 50 gpm will need wellhead treatment for a period of up to 12 years.

Univar Comment:

Please see comment 7.

ADEQ Response:

ADEQ has re-evaluated the proposed contingency and has determined it is not required.

Comment #9

Mark Metcalf wrote:

Section 5.1.1, MNA, page 9

MNA will consist of routine groundwater monitoring and sampling to monitor groundwater contamination at the Site. The groundwater samples will be analyzed for VOCs and selected natural attenuation parameters such as dissolved oxygen, oxidation-reduction potential (ORP), iron, manganese, nitrate, sulfate, methane, and ethane. The groundwater monitoring data will be used to evaluate plume migration, plume stability, and natural attenuation of the plume. The data will also be used to trigger appropriate contingency actions (i.e., wellhead treatment at an impacted water supply well) to manage risk associated with the groundwater plume migration. MNA will continue until the concentrations of the COCs drop below the AWQS.

Univar Comment:

Please note, the FS did not include monitoring of secondary and tertiary monitored natural attenuation (MNA) parameters. Stable and decreasing trend of the COC is/was considered the primary line of evidence

of natural attenuation in the FS. Thus, the less-aggressive remedy (groundwater monitoring) did not include analysis, management, evaluation and reporting of the following: dissolved oxygen, oxidation-reduction potential, iron, manganese, nitrate, sulfate, methane, and ethane. Ongoing demonstration of natural attenuation through evaluation of these secondary and tertiary lines of evidence is not necessary. However, these indicator parameters were called for in the PRAP. Please provide a rationale for why these parameters should be included given the known geochemistry in groundwater at the EGA Site. Additionally, see comment 7 regarding the wellhead treatment contingency.

ADEQ Comment:

ADEQ proposed monitoring additional MNA parameters in the PRAP to use as additional lines of evidence to confirm the environment within the aquifer is conducive for the natural degradation of the contaminants. The cost for analyzing these additional parameters is minimal and the addition of these parameters to the remedy did not change the proposed cost or duration of the remedy. The costs for the proposed remedy were taken from the Feasibility Study (Arcadis, 2020) that was prepared by Univar and subsequently approved by ADEQ. In addition, ADEQ has re-evaluated the proposed contingency and has determined it is not required.

Comment #10

Mark Metcalf wrote:

Attachment A - Preliminary List of Potentially Responsible Parties

Van Waters and Rogers, Inc.

Univar Comment:

Van Waters and Rogers, Inc. was listed as the only PRP. As described above there are several PRPs and known source areas (unidentified PRPs). The known and confirmed PRPs include the Former Mogul facility as well as the former Van Waters and Rogers facility Final RI Report (Weston 2006) and Feasibility Study (Arcadis 2020). The confirmed source areas with unidentified PRPs include (1) the upgradient sources of COCs, (2) the source(s) near EGA-02/29th Avenue area, (3) the source near WCP-202, and (4) potentially the Former Granberry Supply facility, at a minimum.

ADEQ Response:

As previously mentioned, data and regulatory records have been re-evaluated and ADEQ has determined that the former Univar Solutions facility is the main source of groundwater contamination; however, the former Granberry Supply facility and the former FedMart facility were also contributors to the EGA plume.

ADEQ used a third party allocator to identify their respective liability at the Site. The findings of the allocator will be issued to the public in accordance with ARS 49-287.05.

REFERENCES

Arizona Department of Environmental Quality (ADEQ), 2006. Remedial Objectives Report, West Central Phoenix East Grand Avenue Site, Phoenix, Arizona. June.

ADEQ, 2018. 2018 Final Remedial Investigation Report Addendum. May 9.

Arcadis, 2020. Feasibility Study Report, East Grand Avenue Water Quality Assurance Revolving Fund Registry Site, Phoenix, Arizona. June.

Arcadis, 2023. 2023 Annual Groundwater Monitoring Report, East Grand Avenue Water Quality Assurance Revolving Fund Registry Site, Phoenix, Arizona. November 10.

Weston Solutions (Weston), 2006. Final Remedial Investigation Report, West Central Phoenix East Grand Avenue WQARF Site, Phoenix, Arizona. June.

APPENDIX C

SITE MONITORING WELL CONSTRUCTION DETAILS

Well ID	ADWR Well Registry Number 55-	Installation Date	Casing Diameter (in)	Casing Material	Screened Interval (ft bgs)	Slot Size (in)	Total Well Depth (ft bgs)	Measuring Point Elevation (ft amsl)	Northing (ift)	Easting (ift)	Most Recent Survey Date
WCP-15 ^a	57140	3/18/1997	-	-	-	-	-	- 1	-	-	4/2/1997
WCP-16 ^{a,b}	57141	3/19/1997	-	-	-	-	-	-	-	-	4/2/1997
WCP-17 ^b	57142	3/19/1997	4	Sch. 40 PVC	97-127	-	127	1106.61	905051.07	637244.25	4/2/1997
WCP-28 ^{c,d}	58848	5/26/1998	4	Sch. 40 PVC	99.5-139.5	0.010	139.5	1108.65	905468.51	637527.14	-1
WCP-29 c,d	58849	5/28/1998	4	Sch. 40 PVC	99.5-139.5	0.010	139.5	1108.75	905404.81	637537.24	_1
WCP-30 ^a	58850	5/27/1998	-	-	-	-	-	-	-	-	-
WCP-40	58854	9/28/1999	4	Sch. 40 PVC	110-150	0.010	150	1110.39	905767.71	637777.80	_1
WCP-41	58855	9/30/1999	4	Sch. 40 PVC	103.5-143.5	0.010	143.5	1108.09	905231.36	637780.41	_1
WCP-42 ^c	58856	10/4/1999	4	Sch. 40 PVC	108.5-148.5	0.010	148.5	1109.66	905715.61	637188.84	_1
WCP-43	58857	10/12/1999	4	Sch. 40 PVC	106-146	0.010	146	1111.64	905794.33	638238.50	_1
WCP-44	58858	12/1/1999	4	Sch. 40 PVC	108-148	0.010	148	1104.25	904579.66	636991.55	6/14/2004
WCP-45	58859	10/6/1999	4	Sch. 40 PVC	108-148	0.010	148	1107.16	905201.23	636741.89	11/1/2019
WCP-46	58860	12/3/1999	4	Sch. 40 PVC	108-148	0.010	148	1109.39	905520.06	636748.85	3/10/2015
WCP-47	59409	1/16/2001	4	Sch. 40 PVC	112.5-152.5	0.010	152.5	1108.42	905451.02	636265.08	6/14/2004
WCP-48	58861	6/20/2000	4	Sch. 40 PVC	225-245	0.010	245	1107.06	905221.10	636742.98	11/1/2019
WCP-83	59421	1/23/2001	4	Sch. 40 PVC	109-149	0.010	149	1108.90	905270.79	638255.27	6/14/2004
WCP-84	59422	1/29/2001	4	Sch. 40 PVC	108.5-148.5	0.010	148.5	1109.09	905454.33	637771.90	-1
WCP-85 °	59423	1/9/2001	4	Sch. 40 PVC	109-149	0.010	149	1113.10	905822.13	638860.36	-1
WCP-86	59424	1/16/2001	4	Sch. 40 PVC	110-150	0.010	150	1105.66	904734.01	637325.11	3/10/2015
WCP-87	59425	1/29/2001	4	Sch. 40 PVC	112.5-152.5	0.010	152.5	1105.70	904879.54	636749.59	3/10/2015
WCP-88	59426	1/31/2001	4	Sch. 40 PVC	110-150	0.010	150	1104.54	904517.66	636545.21	3/10/2015
WCP-89	59427	2/2/2001	4	Sch. 40 PVC	113-153	0.010	153	1105.37	904486.22	635387.43	-1
WCP-90 ^a	59428	1/19/2001	-	-	-	-	-	-	-	-	-
WCP-92	59429	7/17/2001	4	Sch. 40 PVC	109-149	0.010	149	1098.56	903109.68	636358.33	11/1/2019
WCP-93 ^e	59430	7/25/2001	4	Sch. 40 PVC	109-149	0.010	149	1105.69	905050.87	637500.68	5/16/2016
WCP-94	59431	7/19/2001	4	Sch. 40 PVC	110-150	0.010	150	1101.58	903487.84	635264.57	11/1/2019
WCP-95	59432	7/6/2001	4	Sch. 40 PVC	99-139	0.010	139	1114.23	906255.88	638782.68	_1
WCP-96	59433	7/23/2001	4	Sch. 40 PVC	109.5-149.5	0.010	149.5	1101.62	903855.11	636256.05	11/1/2019
WCP-97	59434	7/3/2001	4	Sch. 40 PVC	109-149	0.010	149	1104.31	904499.20	638255.06	-1
WCP-98	59435	7/11/2001	4	Sch. 40 PVC	109-149	0.010	149	1106.35	904947.30	639098.53	-1
WCP-99	60377	11/15/2001	4	Sch. 40 PVC	108-148	0.010	148	1111.26	905811.52	639416.97	_1
WCP-100 ^a	60378	11/21/2001	-	-	-	-	-	-	-	-	3/10/2015
WCP-200	60379	11/19/2001	4	Sch. 40 PVC	114-154	0.010	154	1108.20	905267.44	637275.88	3/10/2015
WCP-201	60380	12/3/2001	4	Sch. 40 PVC	114-154	0.010	154	1106.69	905051.00	637227.35	11/1/2019
WCP-202	60381	12/5/2001	4	Sch. 40 PVC	111-151	0.010	151	1100.81	904075.96	636812.30	11/1/2019
WCP-203	60382	12/18/2001	4	Sch. 40 PVC	121.5-161.5	0.010	161.5	1111.86	905819.90	635597.05	_1
WCP-204	60383	11/29/2001	4	Sch. 40 PVC	110-150	0.010	150	1097.31	902927.58	634815.71	-1
EGA-01	64836	3/19/2005	4	Sch. 40 PVC	120-170	0.010	170	1105.00	904331.20	636018.54	11/1/2019
EGA-02	921030	11/28/2017	4	Sch. 40 PVC	165-175	0.020	200	1101.97	904079.44	637739.26	11/1/2019
EGA-03	923357	11/1/2019	4	Sch. 80 PVC	140-190	0.010	190	1107.48	905277.97	636267.86	11/1/2019
EGA-04A	923375	10/14/2019	2.5	Sch. 80 PVC	145-195	0.010	195	1107.82	905170.49	637299.46	11/1/2019
EGA-04B	923375	10/14/2019	2.5	Sch. 80 PVC	215-245	0.010	245	1107.88	905170.84	637299.38	11/1/2019
EGA-05A	923386	10/28/2019	2.5	Sch. 80 PVC	145-195	0.010	195	1105.91	904845.27	636746.44	11/1/2019
EGA-05B	923386	10/28/2019	2.5	Sch. 80 PVC	225-255	0.010	255	1105.96	904845.26	636746.80	11/1/2019

Notes:

WQARF = Water Quality Assurance Revolving Fund ID = identification ADWR = Arizona Department of Water Resources in = inches ft bgs = feet below ground surface ft amsl = feet above mean sea level ift = international feet - = Data unknown Grey highlight = well was abandoned Sch. 40 PVC = Schedule 40 Polyvinyl Chloride Sch. 80 PVC = Schedule 80 Polyvinyl Chloride

Sch. 80 PVC = Schedule 80 Polyvi

SVE = soil vapor extraction

Elevations are expressed in National Geodetic Vertical Datum (NGVD) 29

Northings and Eastings are expressed in North American Datum (NAD) 83 State Plane Arizona Central

^a Abandoned wells: WCP-15 (in 2002), WCP-30 (in 2006), WCP-90 (in 2014), WCP-16 (in 2022), WCP-100 (in 2022)

^b Converted to SVE well: WCP-16 (in 2008), WCP-17 (in 2009) ^c No property access: WCP-28 (since 2004), WCP-29 (since 2004), WCP-42 (since 2009), WCP-85 (since 2010)

^d Temporary access granted: WCP-28 (in July 2017), WCP-29 (in July 2017)

^e Pump removed: WCP-93 (in April 2017),

¹ Survey data was attained from the Final Remedial Remedial Investigation Report (Weston 2006); Northings and Eastings are expressed in North American Datum (NAD) of 1927 State Plane Arizona Central

Data Source: Arcadis, 2023. 2023 Annual Groundwater Monitoring Report, East Grand Avenue Water Quality Assurance Revolving Fund Registry Site, Phoenix, Arizona. November 10.



APPENDIX D

UNIVAR SOLUTIONS HISTORICAL COST CREDIT

	Invoice Reference								
Item No.	No.	Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
1		STREICH, LANG, WEEKS, & CARDON	140786	10/28/94	Legal	Investigation	\$ 4,995.79	\$0.00	No Invoice provided - lacks sufficient documentation
2		STREICH, LANG, WEEKS, & CARDON	141717	11/29/94	Legal	Investigation	\$ 3,449.76	\$0.00	No Invoice provided - lacks sufficient documentation
3		DEL MAR ANALYTICAL	P3408	2/9/95	Lab	Investigation	\$ 1,672.00	\$0.00	No Invoice provided - lacks sufficient documentation
4		HARDING LAWSON ASSOCIATES	134982	2/13/95	Environmental contractor	Investigation	\$ 21,056.38	\$0.00	No Invoice provided - lacks sufficient documentation
5		DEL MAR ANALYTICAL	P3558	2/22/95	Lab	Investigation	\$ 713.00	\$0.00	No Invoice provided - lacks sufficient documentation
6		NEWSCOUNT	043638	2/27/95	News clip vendor	Investigation	\$ 23.87	\$0.00	No Invoice provided - lacks sufficient documentation
7		SCHMID, SUSAN	LTR	3/1/95	Legal	Investigation	\$ 777.31	\$0.00	No Invoice provided - lacks sufficient documentation
8		HARDING LAWSON ASSOCIATES	136537	3/23/95	Environmental contractor	Investigation	\$ 2,526.09	\$0.00	No Invoice provided - lacks sufficient documentation
9		HARDING LAWSON ASSOCIATES	136538	3/23/95	Environmental contractor	Investigation	\$ 556.54	\$0.00	No Invoice provided - lacks sufficient documentation
10		HARDING LAWSON ASSOCIATES	136662	3/27/95	Environmental contractor	Investigation	\$ 8,176.31	\$0.00	No Invoice provided - lacks sufficient documentation
11		STREICH, LANG, WEEKS, & CARDON	145453	3/29/95	Legal	Investigation	\$ 360.00	\$0.00	No Invoice provided - lacks sufficient documentation
12		SCHMID, SUSAN	STATEMENT	4/3/95	Legal	Investigation	\$ 1,586.66	\$0.00	No Invoice provided - lacks sufficient documentation
13		HARDING LAWSON ASSOCIATES	137401	4/14/95	Environmental contractor	Investigation	\$ 7,183.35	\$0.00	No Invoice provided - lacks sufficient documentation
14		HARDING LAWSON ASSOCIATES	137402	4/14/95	Environmental contractor	Investigation	\$ 1,069.39	\$0.00	No Invoice provided - lacks sufficient documentation
15		HARDING LAWSON ASSOCIATES	137403	4/14/95	Environmental contractor	Investigation	\$ 4,294.41	\$0.00	No Invoice provided - lacks sufficient documentation
16		STREICH, LANG, WEEKS, & CARDON	146439	4/27/95	Legal	Investigation	\$ 90.40	\$0.00	No Invoice provided - lacks sufficient documentation
17		SCHMID, SUSAN	APRIL 1995	4/30/95	Legal	Investigation	\$ 941.97	\$0.00	No Invoice provided - lacks sufficient documentation
18		HARDING LAWSON ASSOCIATES	138691	5/16/95	Environmental contractor	Investigation	\$ 1,420.76	\$0.00	No Invoice provided - lacks sufficient documentation
19		HARDING LAWSON ASSOCIATES	138693	5/16/95	Environmental contractor	Investigation	\$ 2,329.69	\$0.00	No Invoice provided - lacks sufficient documentation
20		DEL MAR ANALYTICAL	P2852	5/18/95	Lab	Investigation	\$ 600.00	\$0.00	No Invoice provided - lacks sufficient documentation
21		STREICH, LANG, WEEKS, & CARDON	147288	5/23/95	Legal	Investigation	\$ 1,542.00	\$0.00	No Invoice provided - lacks sufficient documentation
22		MP ENVIRONMENTAL SERVICES INC.	34870	5/31/95	Environmental services	Investigation	\$ 125.00	\$0.00	No Invoice provided - lacks sufficient documentation
23		SCHMID, SUSAN	STATEMENT	6/12/95	Legal	Investigation	\$ 1,353.78		No Invoice provided - lacks sufficient documentation
24		GERAGHTY & MILLER, INC.	43711	6/14/95	Environmental contractor	Investigation	\$ 7,576.72		No Invoice provided - lacks sufficient documentation
25		STREICH, LANG, WEEKS, & CARDON	148351	6/27/95	Legal	Investigation	\$ 2.055.30	\$0.00	No Invoice provided - lacks sufficient documentation
26		MP ENVIRONMENTAL SERVICES INC.	35774	6/29/95	Environmental services	Investigation	\$ 349.88	\$0.00	No Invoice provided - lacks sufficient documentation
27		SCHMID, SUSAN	JUNE INV	7/5/95	Legal	Investigation	\$ 329.91	\$0.00	No Invoice provided - lacks sufficient documentation
28		MP ENVIRONMENTAL SERVICES INC.	36617	7/18/95	Environmental services	Investigation	\$ 85.00	\$0.00	No Invoice provided - lacks sufficient documentation
29		STREICH, LANG, WEEKS, & CARDON	149458	7/26/95	Legal	Investigation	\$ 26.30		No Invoice provided - lacks sufficient documentation
30		SCHMID. SUSAN	STATMENT	8/8/95	Legal	Investigation	\$ 94.59		No Invoice provided - lacks sufficient documentation
31		SCHMID, SUSAN	STATEMENT	9/2/95	Legal	Investigation	\$ 120.15		No Invoice provided - lacks sufficient documentation
32		HARDING LAWSON ASSOCIATES	145467	11/2/95	Environmental contractor	Investigation	\$ 1,484.58		No Invoice provided - lacks sufficient documentation
33		SCHMID, SUSAN	OCT1995INVOICE	11/9/95	Legal	Investigation	\$ 1,002.31		No Invoice provided - lacks sufficient documentation
34		SCHMID, SUSAN	STMTNOV	12/7/95	Legal	Investigation	\$ 852.83		No Invoice provided - lacks sufficient documentation
35		WEST VAN BUREN GROUP	STMT	12/21/95	Legal	Investigation	\$ 14,700.00		No Invoice provided - lacks sufficient documentation
36		HARDING LAWSON ASSOCIATES	148536	1/25/96	Environmental contractor	Investigation	\$ 4,503.42		No Invoice provided - lacks sufficient documentation
37	1	STREICH, LANG, WEEKS, & CARDON	157038	2/28/96	Legal	Investigation	\$ 530.70		No Invoice provided - lacks sufficient documentation
38	1	STREICH, LANG, WEEKS, & CARDON	159335	4/26/96	Legal	Investigation	\$ 161.69		No Invoice provided - lacks sufficient documentation
39		HARDING LAWSON ASSOCIATES	161912	2/26/97	Environmental contractor	Investigation	\$ 911.81		No Invoice provided - lacks sufficient documentation
40	1	HARDING LAWSON ASSOCIATES	163073	3/26/97	Environmental contractor	Investigation	\$ 3,610.34		No Invoice provided - lacks sufficient documentation
40		HARDING LAWSON ASSOCIATES	164322	4/23/97	Environmental contractor	Investigation	\$ 3,610.34		No Invoice provided - lacks sufficient documentation
41		HARDING LAWSON ASSOCIATES	166665	6/27/97	Environmental contractor	Investigation	\$ 1,630.29		No Invoice provided - lacks sufficient documentation

	Invoice Reference								
Item No.	No.	Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
43		HARDING LAWSON ASSOCIATES	171835	11/24/97	Environmental contractor	Investigation	\$ 592.41	\$0.00	No Invoice provided - lacks sufficient documentation
44		STREICH, LANG, WEEKS, & CARDON	187685	12/22/97	Legal	Investigation	\$ 144.00	\$0.00	No Invoice provided - lacks sufficient documentation
45		EMCON NORTHWEST, INC.	49819	1/26/98	Consulting/contractor	Investigation	\$ 1,262.08	\$0.00	No Invoice provided - lacks sufficient documentation
46		HARDING LAWSON ASSOCIATES	174126	2/6/98	Environmental contractor	Investigation	\$ 647.82	\$0.00	No Invoice provided - lacks sufficient documentation
47		EMCON NORTHWEST, INC.	50733	2/23/98	Consulting/contractor	Investigation	\$ 1,480.11	\$0.00	No Invoice provided - lacks sufficient documentation
48		STREICH, LANG, WEEKS, & CARDON	190201	2/24/98	Legal	Investigation	\$ 125.00	\$0.00	No Invoice provided - lacks sufficient documentation
49		EMCON NORTHWEST, INC.	52377	3/25/98	Consulting/contractor	Investigation	\$ 552.60	\$0.00	No Invoice provided - lacks sufficient documentation
50		STREICH, LANG, WEEKS, & CARDON	192983	4/21/98	Legal	Investigation	\$ 725.00	\$0.00	No Invoice provided - lacks sufficient documentation
51		EMCON NORTHWEST, INC.	53462	4/22/98	Consulting/contractor	Investigation	\$ 2,085.20	\$0.00	No Invoice provided - lacks sufficient documentation
52		EMCON NORTHWEST, INC.	54744	5/22/98	Consulting/contractor	Investigation	\$ 733.05	\$0.00	No Invoice provided - lacks sufficient documentation
53		EMCON NORTHWEST, INC.	56510	6/23/98	Consulting/contractor	Investigation	\$ 83.64	\$0.00	No Invoice provided - lacks sufficient documentation
54		STREICH, LANG, WEEKS, & CARDON	195584	6/24/98	Legal	Investigation	\$ 20.07	\$0.00	No Invoice provided - lacks sufficient documentation
55		EMCON NORTHWEST, INC.	98153	8/3/98	Consulting/contractor	Investigation	\$ 862.12	\$0.00	No Invoice provided - lacks sufficient documentation
56		STREICH, LANG, WEEKS, & CARDON	198437	8/26/98	Legal	Investigation	\$ 100.00	\$0.00	No Invoice provided - lacks sufficient documentation
57		EMCON NORTHWEST, INC.	98161	8/31/98	Consulting/contractor	Investigation	\$ 709.67	\$0.00	No Invoice provided - lacks sufficient documentation
58		EMCON NORTHWEST, INC.	981641	9/24/98	Consulting/contractor	Investigation	\$ 221.66	\$0.00	No Invoice provided - lacks sufficient documentation
59		STREICH, LANG, WEEKS, & CARDON	200821	10/22/98	Legal	Investigation	\$ 22.79	\$0.00	No Invoice provided - lacks sufficient documentation
60		STREICH, LANG, WEEKS, & CARDON	200904	10/23/98	Legal	Investigation	\$ 650.00	\$0.00	No Invoice provided - lacks sufficient documentation
61		EMCON NORTHWEST, INC.	981681	10/29/98	Consulting/contractor	Investigation	\$ 966.24	\$0.00	No Invoice provided - lacks sufficient documentation
62		EMCON NORTHWEST, INC.	981784	11/25/98	Consulting/contractor	Investigation	\$ 272.95	\$0.00	No Invoice provided - lacks sufficient documentation
63		EMCON NORTHWEST, INC.	981932	12/21/98	Consulting/contractor	Investigation	\$ 352.78	\$0.00	No Invoice provided - lacks sufficient documentation
64		EMCON NORTHWEST, INC.	67785	1/20/99	Consulting/contractor	Investigation	\$ 1,299.18	\$0.00	No Invoice provided - lacks sufficient documentation
65		STREICH, LANG, WEEKS, & CARDON	205080	1/26/99	Legal	Investigation	\$ 809.56		No Invoice provided - lacks sufficient documentation
66		EMCON NORTHWEST, INC.	68891	2/22/99	Consulting/contractor	Investigation	\$ 3,070.22		No Invoice provided - lacks sufficient documentation
67		STREICH, LANG, WEEKS, & CARDON	206523	2/23/99	Legal	Investigation	\$ 625.00	\$0.00	No Invoice provided - lacks sufficient documentation
68		STREICH, LANG, WEEKS, & CARDON	207939	3/22/99	Legal	Investigation	\$ 1,168.77		No Invoice provided - lacks sufficient documentation
69		EMCON NORTHWEST, INC.	70713	3/23/99	Consulting/contractor	Investigation	\$ 2,368.58	\$0.00	No Invoice provided - lacks sufficient documentation
70		EMCON NORTHWEST, INC.	72323	4/26/99	Consulting/contractor	Investigation	\$ 732.12	\$0.00	No Invoice provided - lacks sufficient documentation
71		STREICH, LANG, WEEKS, & CARDON	209572	4/29/99	Legal	Investigation	\$ 431.00		No Invoice provided - lacks sufficient documentation
72		EMCON NORTHWEST, INC.	73134	5/21/99	Consulting/contractor	Investigation	\$ 59.19		No Invoice provided - lacks sufficient documentation
73		STREICH, LANG, WEEKS, & CARDON	211020	5/31/99	Legal	Investigation	\$ 62.31	\$0.00	No Invoice provided - lacks sufficient documentation
74		EMCON NORTHWEST, INC.	74695	6/21/99	Consulting/contractor	Investigation	\$ 283.87		No Invoice provided - lacks sufficient documentation
75		STREICH, LANG, WEEKS, & CARDON	212119	6/22/99	Legal	Investigation	\$ 75.00		No Invoice provided - lacks sufficient documentation
76	1	EMCON NORTHWEST, INC.	76382	7/16/99	Consulting/contractor	Investigation	\$ 210.74		No Invoice provided - lacks sufficient documentation
77		EMCON NORTHWEST, INC.	77424	8/20/99	Consulting/contractor	Investigation	\$ 229.28		No Invoice provided - lacks sufficient documentation
78		EMCON NORTHWEST, INC.	228332	9/30/99	Consulting/contractor	Investigation	\$ 83.58		No Invoice provided - lacks sufficient documentation
79		H S I GEOTRANS INC	210101	10/3/99	Environmental contractor	Investigation	\$ 1,568.54		No Invoice provided - lacks sufficient documentation
80		H S I GEOTRANS INC	211101	10/3/99	Environmental contractor	Investigation	\$ 1,319.47		No Invoice provided - lacks sufficient documentation
81		H S I GEOTRANS INC	210102	10/31/99	Environmental contractor	Investigation	\$ 465.86		No Invoice provided - lacks sufficient documentation
82	1	H S I GEOTRANS INC	211102	10/31/99	Environmental contractor	Investigation	\$ 141.08		No Invoice provided - lacks sufficient documentation
83	1	H S I GEOTRANS INC	210103	11/28/99	Environmental contractor	Investigation	\$ 1,012.50		No Invoice provided - lacks sufficient documentation
84		H S I GEOTRANS INC	210103	1/2/00	Environmental contractor	Investigation	\$ 1,339.82		No Invoice provided - lacks sufficient documentation

	Invoice Reference						
Item No.	No. Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs Notes
85	H S I GEOTRANS INC	210106	2/27/00	Environmental contractor	Investigation	\$ 2,216.00	\$0.00 No Invoice provided - lacks sufficient documentation
86	STREICH LANG	225576	3/30/00	Legal	Investigation	\$ 110.00	\$0.00 No Invoice provided - lacks sufficient documentation
87	H S I GEOTRANS INC	210107	4/2/00	Environmental contractor	Investigation	\$ 135.00	\$0.00 No Invoice provided - lacks sufficient documentation
88	STREICH LANG	226987	4/29/00	Legal	Investigation	\$ 87.00	\$0.00 No Invoice provided - lacks sufficient documentation
89	H S I GEOTRANS INC	210108	4/30/00	Environmental contractor	Investigation	\$ 222.00	\$0.00 No Invoice provided - lacks sufficient documentation
90	H S I GEOTRANS INC	211108	4/30/00	Environmental contractor	Investigation	\$ 130.00	\$0.00 No Invoice provided - lacks sufficient documentation
91	H S I GEOTRANS INC	210109	5/28/00	Environmental contractor	Investigation	\$ 135.00	\$0.00 No Invoice provided - lacks sufficient documentation
92	H S I GEOTRANS INC	211109	5/28/00	Environmental contractor	Investigation	\$ 857.50	\$0.00 No Invoice provided - lacks sufficient documentation
93	STREICH LANG	231754	7/27/00	Legal	Investigation	\$ 113.59	\$0.00 No Invoice provided - lacks sufficient documentation
94	H S I GEOTRANS INC	210110	8/27/00	Environmental contractor	Investigation	\$ 67.50	\$0.00 No Invoice provided - lacks sufficient documentation
95	HARDING LAWSON ASSOCIATES	507913CK	9/22/00	Environmental contractor	Investigation	(\$ 698.90)	\$0.00 No Invoice provided - lacks sufficient documentation
96	H S I GEOTRANS INC	210111	10/1/00	Environmental contractor	Investigation	\$ 3,295.50	\$0.00 No Invoice provided - lacks sufficient documentation
97	H S I GEOTRANS INC	211113	10/1/00	Environmental contractor	Investigation	\$ 1,661.50	\$0.00 No Invoice provided - lacks sufficient documentation
98	H S I GEOTRANS INC	210112	10/29/00	Environmental contractor	Investigation	\$ 3,211.12	\$0.00 No Invoice provided - lacks sufficient documentation
99	H S I GEOTRANS INC	211114	10/29/00	Environmental contractor	Investigation	\$ 560.00	\$0.00 No Invoice provided - lacks sufficient documentation
100	QUARLES BRADY STREICH LANG	401913	11/1/00	Legal	Investigation	\$ 1,869.50	\$0.00 No Invoice provided - lacks sufficient documentation
101	GM CLEMENT & ASSOCIATES INC	10001	11/21/00	Environmental contractor	Investigation	\$4,610.55	\$0.00 No Invoice provided - lacks sufficient documentation
102	H S I GEOTRANS INC	210113	11/27/00	Environmental contractor	Investigation	\$ 5,287.39	\$0.00 No Invoice provided - lacks sufficient documentation
103	QUARLES BRADY STREICH LANG	407344	12/1/00	Legal	Investigation	\$ 247.50	\$0.00 No Invoice provided - lacks sufficient documentation
104	GM CLEMENT & ASSOCIATES INC	10002	12/11/00	Environmental contractor	Investigation	\$2,948.07	\$0.00 No Invoice provided - lacks sufficient documentation
105	QUARLES BRADY STREICH LANG	413807	1/1/01	Legal	Investigation	\$ 137.50	\$0.00 No Invoice provided - lacks sufficient documentation
106	GEOTRANS INC	210114	1/2/01	Environmental contractor	Investigation	\$ 12,011.12	\$0.00 No Invoice provided - lacks sufficient documentation
107	H S I GEOTRANS INC	210115	1/28/01	Environmental contractor	Investigation	\$ 5,770.82	\$0.00 No Invoice provided - lacks sufficient documentation
108	ADAMS LAW FIRM	2070	1/30/01	Legal	Investigation	\$ 7,286.69	\$0.00 No Invoice provided - lacks sufficient documentation
109	GM CLEMENT & ASSOCIATES INC	2101	2/6/01	Environmental contractor	Investigation	\$2,632.02	\$0.00 No Invoice provided - lacks sufficient documentation
110	QUARLES BRADY STREICH LANG	422776	2/22/01	Legal	Investigation	\$ 1,980.00	\$0.00 No Invoice provided - lacks sufficient documentation
111	H S I GEOTRANS INC	210116	2/25/01	Environmental contractor	Investigation	\$ 8,251.25	\$0.00 No Invoice provided - lacks sufficient documentation
112	GM CLEMENT & ASSOCIATES INC	2102	3/13/01	Environmental contractor	Investigation	\$3,051.39	\$0.00 No Invoice provided - lacks sufficient documentation
113	QUARLES BRADY STREICH LANG	427236	3/14/01	Legal	Investigation	\$ 4,228.10	\$0.00 No Invoice provided - lacks sufficient documentation
114	H S I GEOTRANS INC	210117	4/1/01	Environmental contractor	Investigation	\$ 4,666.76	\$0.00 No Invoice provided - lacks sufficient documentation
115	QUARLES BRADY STREICH LANG	432762	4/12/01	Legal	Investigation	\$ 746.13	\$0.00 No Invoice provided - lacks sufficient documentation
116	GEOTRANS INC	210118	4/29/01	Environmental contractor	Investigation	\$ 4,726.11	\$0.00 No Invoice provided - lacks sufficient documentation
117	GM CLEMENT & ASSOCIATES INC	2103	5/3/01	Environmental contractor	Investigation	\$1,933.19	\$0.00 No Invoice provided - lacks sufficient documentation
118	GEOTRANS INC	210119	5/30/01	Environmental contractor	Investigation	\$ 1,413.97	\$0.00 No Invoice provided - lacks sufficient documentation
119	GEOTRANS INC	211118	5/30/01	Environmental contractor	Investigation	\$ 2,426.00	\$0.00 No Invoice provided - lacks sufficient documentation
120	QUARLES BRADY STREICH LANG	445592	6/13/01	Legal	Investigation	\$ 13.70	\$0.00 No Invoice provided - lacks sufficient documentation
121	H S I GEOTRANS INC	270117	7/2/01	Environmental contractor	Investigation	\$ 131.90	\$0.00 No Invoice provided - lacks sufficient documentation
122	H S I GEOTRANS INC	210121	7/31/01	Environmental contractor	Investigation	\$ 258.69	\$0.00 No Invoice provided - lacks sufficient documentation
123	GM CLEMENT & ASSOCIATES INC	2104	10/1/01	Environmental contractor	Investigation	\$4,257.27	\$0.00 No Invoice provided - lacks sufficient documentation
124	H S I GEOTRANS INC	730101	10/10/01	Environmental contractor	Investigation	\$ 10,931.23	\$0.00 No Invoice provided - lacks sufficient documentation
125	GM CLEMENT & ASSOCIATES INC	2105	11/5/01	Environmental contractor	Investigation	\$2,114.22	\$0.00 No Invoice provided - lacks sufficient documentation
126	H S I GEOTRANS INC	730103	11/25/01	Environmental contractor	Investigation	\$ 5,220.51	\$0.00 No Invoice provided - lacks sufficient documentation

	Invoice Reference								
em No.	No.	Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
127		MARTEN & BROWN LLP	100047	12/17/01	Legal	Investigation	\$ 2,996.25	\$0.00	No Invoice provided - lacks sufficient documentation
128		H S I GEOTRANS INC	730104	1/2/02	Environmental contractor	Investigation	\$ 3,793.69	\$0.00	No Invoice provided - lacks sufficient documentation
129		GM CLEMENT & ASSOCIATES INC	2106	1/6/02	Environmental contractor	Investigation	\$1,224.00	\$0.00	No Invoice provided - lacks sufficient documentation
130		QUARLES BRADY STREICH LANG	493760	1/14/02	Legal	Investigation	\$ 550.00	\$0.00	No Invoice provided - lacks sufficient documentation
131		ADAMS LAW FIRM	2486	1/23/02	Legal	Investigation	\$ 2,112.00	\$0.00	No Invoice provided - lacks sufficient documentation
132		H S I GEOTRANS INC	730105	1/29/02	Environmental contractor	Investigation	\$ 4,334.22	\$0.00	No Invoice provided - lacks sufficient documentation
133		MARTEN & BROWN LLP	100112	2/11/02	Legal	Investigation	\$ 470.00	\$0.00	No Invoice provided - lacks sufficient documentation
134		QUARLES BRADY STREICH LANG	501943	2/20/02	Legal	Investigation	\$ 220.00	\$0.00	No Invoice provided - lacks sufficient documentation
135		H S I GEOTRANS INC	730106	2/26/02	Environmental contractor	Investigation	\$ 8,824.84	\$0.00	No Invoice provided - lacks sufficient documentation
136		QUARLES BRADY STREICH LANG	509259	3/21/02	Legal	Investigation	\$ 165.00	\$0.00	No Invoice provided - lacks sufficient documentation
137		H S I GEOTRANS INC	730107	4/2/02	Environmental contractor	Investigation	\$ 15,453.92	\$0.00	No Invoice provided - lacks sufficient documentation
138		ADAMS LAW FIRM	2531	4/10/02	Legal	Investigation	\$ 4,425.55	\$0.00	No Invoice provided - lacks sufficient documentation
139		QUARLES BRADY STREICH LANG	514681	4/16/02	Legal	Investigation	\$ 859.10	\$0.00	No Invoice provided - lacks sufficient documentation
140		GM CLEMENT & ASSOCIATES INC	EGA2107	4/23/02	Environmental contractor	Investigation	\$1,650.72	\$0.00	No Invoice provided - lacks sufficient documentation
141		H S I GEOTRANS INC	731108	4/30/02	Environmental contractor	Investigation	\$ 739.55	\$0.00	No Invoice provided - lacks sufficient documentation
142		MP ENVIRONMENTAL SERVICES INC.	133887	5/1/02	Environmental services	Investigation	\$ 137.50	\$0.00	No Invoice provided - lacks sufficient documentation
143		MP ENVIRONMENTAL SERVICES INC.	133946	5/2/02	Environmental services	Investigation	\$ 139.45	\$0.00	No Invoice provided - lacks sufficient documentation
144		LAYNE CHRISTENSEN COMPANY	10812229	5/8/02	Drilling & Well Services	Investigation	\$ 40,855.00	\$0.00	No Invoice provided - lacks sufficient documentation
45		MP ENVIRONMENTAL SERVICES INC.	134317	5/17/02	Environmental services	Investigation	\$ 14.00	\$0.00	No Invoice provided - lacks sufficient documentation
146		QUARLES BRADY STREICH LANG	522412	5/21/02	Legal	Investigation	\$ 1,010.60	\$0.00	No Invoice provided - lacks sufficient documentation
147		H S I GEOTRANS INC	730109	5/29/02	Environmental contractor	Investigation	\$ 14,658.33	\$0.00	No Invoice provided - lacks sufficient documentation
148		H S I GEOTRANS INC	731109	5/29/02	Environmental contractor	Investigation	\$ 3,410.36	\$0.00	No Invoice provided - lacks sufficient documentation
149		COLUMBIA ANALYTICAL SERVICES INC.	VOPAK0502EA	5/31/02	Lab	Investigation	\$ 320.00		No Invoice provided - lacks sufficient documentation
150		ADAMS LAW FIRM	2681	6/14/02	Legal	Investigation	\$ 412.50	\$0.00	No Invoice provided - lacks sufficient documentation
151		QUARLES BRADY STREICH LANG	527791	6/14/02	Legal	Investigation	\$ 222.50	\$0.00	No Invoice provided - lacks sufficient documentation
152		MP ENVIRONMENTAL SERVICES INC.	135714	6/20/02	Environmental services	Investigation	\$ 420.00	\$0.00	No Invoice provided - lacks sufficient documentation
153		H S I GEOTRANS INC	730110	7/2/02	Environmental contractor	Investigation	\$ 32,262.05	\$0.00	No Invoice provided - lacks sufficient documentation
154		H S I GEOTRANS INC	731110	7/2/02	Environmental contractor	Investigation	\$ 1,184.25	\$0.00	No Invoice provided - lacks sufficient documentation
155		GM CLEMENT & ASSOCIATES INC	EGA2108	7/8/02	Environmental contractor	Investigation	\$2,879.07	\$0.00	No Invoice provided - lacks sufficient documentation
156		QUARLES BRADY STREICH LANG	533122	7/9/02	Legal	Investigation	\$ 163.00		No Invoice provided - lacks sufficient documentation
157		MP ENVIRONMENTAL SERVICES INC.	137009	7/22/02	Environmental services	Investigation	\$ 420.00	\$0.00	No Invoice provided - lacks sufficient documentation
158		H S I GEOTRANS INC	731111	7/30/02	Environmental contractor	Investigation	\$ 399.19		No Invoice provided - lacks sufficient documentation
159		ADAMS LAW FIRM	2731	8/14/02	Legal	Investigation	\$ 346.50	\$0.00	No Invoice provided - lacks sufficient documentation
160		MP ENVIRONMENTAL SERVICES INC.	138291	8/19/02	Environmental services	Investigation	\$ 420.00		No Invoice provided - lacks sufficient documentation
161		H S I GEOTRANS INC	730112	8/27/02	Environmental contractor	Investigation	\$ 11,758.03	\$0.00	No Invoice provided - lacks sufficient documentation
162		COLUMBIA ANALYTICAL SERVICES INC.	VOPAK0802EA	8/31/02	Lab	Investigation	\$ 158.00		No Invoice provided - lacks sufficient documentation
163		MP ENVIRONMENTAL SERVICES INC.	139657	9/17/02	Environmental services	Investigation	\$ 420.00		No Invoice provided - lacks sufficient documentation
164		H S I GEOTRANS INC	730113	10/1/02	Environmental contractor	Investigation	\$ 12,894.78		No Invoice provided - lacks sufficient documentation
165		BOART LONGYEAR COMPANY	34161017	10/15/02	Drilling & Well Services	Investigation	\$ 1,868.75		No Invoice provided - lacks sufficient documentation
166		MP ENVIRONMENTAL SERVICES INC.	141111	10/21/02	Environmental services	Investigation	\$ 280.00		No Invoice provided - lacks sufficient documentation
167		H S I GEOTRANS INC	730114	10/29/02	Environmental contractor	Investigation	\$ 7,160.02		No Invoice provided - lacks sufficient documentation
168		GM CLEMENT & ASSOCIATES INC	EGA2109	10/31/02	Environmental contractor	Investigation	\$301.02		No Invoice provided - lacks sufficient documentation

	Invoice Reference								
Item No.	No.	Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
169		GEOMATRIX CONSULTANTS	0020537	11/4/02	Environmental contractor	Investigation	\$ 2,334.50	\$0.00	No Invoice provided - lacks sufficient documentation
170		MARICOPA COUNTY ENVIRONMENTAL SERVICES	111302	11/13/02	Permits	Remediation	\$ 85.00	\$0.00	No Invoice provided - lacks sufficient documentation
171		H S I GEOTRANS INC	730115	11/26/02	Environmental contractor	Investigation	\$ 5,474.54		No Invoice provided - lacks sufficient documentation
172		H S I GEOTRANS INC	731115	11/26/02	Environmental contractor	Investigation	\$ 894.98		No Invoice provided - lacks sufficient documentation
173		MARICOPA COUNTY	120302	12/3/02	Permits	Remediation	\$ 70.00		No Invoice provided - lacks sufficient documentation
174		MARICOPA COUNTY	55631424CK	12/3/02	Permits	Remediation	(\$ 70.00)		No Invoice provided - lacks sufficient documentation
175		ARIZONA PUBLIC SERVICE CO.	160105	12/5/02	Utility	Remediation	\$ 715.00		No Invoice provided - lacks sufficient documentation
176		QUARLES BRADY STREICH LANG	5677735	12/9/02	Legal	Investigation	\$ 440.00		No Invoice provided - lacks sufficient documentation
177		MP ENVIRONMENTAL SERVICES INC.	144110	12/12/02	Environmental services	Investigation	\$ 143.30		No Invoice provided - lacks sufficient documentation
178		ROADWAY EXPRESS, INC.	8829436579	12/14/02	Equipment Freight	Investigation	\$ 606.60		No Invoice provided - lacks sufficient documentation
179		GM CLEMENT & ASSOCIATES INC	EGA2110	12/17/02	Environmental contractor	Investigation	\$459.00		No Invoice provided - lacks sufficient documentation
180		ALLEN CONSULTING ENGINEERS INC	17502	12/26/02	Engineering	Investigation	\$ 324.00		No Invoice provided - lacks sufficient documentation
181		H S I GEOTRANS INC	730116	12/31/02	Environmental contractor	Investigation	\$ 1,859.86		No Invoice provided - lacks sufficient documentation
182		GEOMECHANICS SOUTHWEST, INC.	507988	1/8/03	Drilling & Well Services	Investigation/Remediation	\$ 10,629.00		No Invoice provided - lacks sufficient documentation
183		BRANOM INSTRUMENT CO.	210875	1/14/03	Process Instruments	Investigation/Remediation	\$ 339.76		No Invoice provided - lacks sufficient documentation
184		GEOMATRIX CONSULTANTS	0021814	1/15/03	Environmental contractor	Investigation/Remediation	\$ 8,124.24	\$0.00	No Invoice provided - lacks sufficient documentation
185		MP ENVIRONMENTAL SERVICES INC.	145234	1/20/03	Environmental services	Investigation/Remediation	\$ 140.00	\$0.00	No Invoice provided - lacks sufficient documentation
186		BRANOM INSTRUMENT CO.	2108752	1/24/03	Process Instruments	Investigation/Remediation	\$ 558.04	\$0.00	No Invoice provided - lacks sufficient documentation
187		H S I GEOTRANS INC	730117	1/28/03	Environmental contractor	Investigation/Remediation	\$ 1,357.98	\$0.00	No Invoice provided - lacks sufficient documentation
188		GEOMATRIX CONSULTANTS	0022286	2/10/03	Environmental contractor	Investigation/Remediation	\$ 2,286.02	\$0.00	No Invoice provided - lacks sufficient documentation
189		ROADWAY EXPRESS, INC.	8125882097	2/13/03	Equipment Freight	Investigation/Remediation	\$ 449.94	\$0.00	No Invoice provided - lacks sufficient documentation
190		MP ENVIRONMENTAL SERVICES INC.	146502	2/18/03	Environmental services	Investigation/Remediation	\$ 189.00	\$0.00	No Invoice provided - lacks sufficient documentation
191		H S I GEOTRANS INC	730118	2/25/03	Environmental contractor	Investigation/Remediation	\$ 2,577.76	\$0.00	No Invoice provided - lacks sufficient documentation
192		MARISCAL WEEKS MCINTYRE & FREIDLANDER, PA	030103	3/1/03	Legal	Investigation/Remediation	\$ 2,481.20	\$0.00	No Invoice provided - lacks sufficient documentation
193		ENVIRONMENTAL INSTRUMENTS CO.	36812	3/14/03	Environmental services	Investigation/Remediation	\$ 3,689.82	\$0.00	No Invoice provided - lacks sufficient documentation
194		GM CLEMENT & ASSOCIATES INC	EGA3001	3/26/03	Environmental contractor	Investigation/Remediation	\$10,928.65	\$0.00	No Invoice provided - lacks sufficient documentation
195		ADAMS LAW FIRM	10034	3/28/03	Legal	Investigation/Remediation	\$ 2,376.00	\$0.00	No Invoice provided - lacks sufficient documentation
196		GM CLEMENT & ASSOCIATES INC	EGA2111	4/14/03	Environmental contractor	Investigation/Remediation	\$1,145.52	\$0.00	No Invoice provided - lacks sufficient documentation
197		GM CLEMENT & ASSOCIATES INC	EGA3002A	4/22/03	Environmental contractor	Investigation/Remediation	\$15,070.23	\$0.00	No Invoice provided - lacks sufficient documentation
198		GM CLEMENT & ASSOCIATES INC	EGA3002B	4/24/03	Environmental contractor	Investigation/Remediation	\$6,454.55	\$0.00	No Invoice provided - lacks sufficient documentation
199		TRANSWEST GEOCHEM	303340	4/28/03	Lab	Investigation/Remediation	\$ 11,028.35	\$0.00	No Invoice provided - lacks sufficient documentation
200		GEOTRANS INC	INV0000024988	4/29/03	Environmental contractor	Investigation/Remediation	\$ 1,657.89	\$0.00	No Invoice provided - lacks sufficient documentation
201		GEOMATRIX CONSULTANTS	0023662	5/5/03	Environmental contractor	Investigation/Remediation	\$ 92.50	\$0.00	No Invoice provided - lacks sufficient documentation
202		GEOTRANS INC	INV000028278	5/29/03	Environmental contractor	Investigation/Remediation	\$ 1,384.89	\$0.00	No Invoice provided - lacks sufficient documentation
203		COCHISE CONTRACTORS INC	900941	6/25/03	Civil contractor	Investigation/Remediation	\$ 30,896.00	\$0.00	No Invoice provided - lacks sufficient documentation
204		MARISCAL WEEKS MCINTYRE & FREIDLANDER, PA	062703	6/27/03	Legal	Investigation/Remediation	\$ 1,331.94	\$0.00	No Invoice provided - lacks sufficient documentation
205		GM CLEMENT & ASSOCIATES INC	EGA3003A	6/28/03	Environmental contractor	Investigation/Remediation	\$1,003.48	\$0.00	No Invoice provided - lacks sufficient documentation
206		GM CLEMENT & ASSOCIATES INC	EGA3003B	6/29/03	Environmental contractor	Investigation/Remediation	\$989.88	\$0.00	No Invoice provided - lacks sufficient documentation
207		GEOTRANS INC	INV0000031077	7/1/03	Environmental contractor	Investigation/Remediation	\$ 2,387.74	\$0.00	No Invoice provided - lacks sufficient documentation
208		BASCOR ENVIRONMENTAL, INC.	0306280	7/2/03	Environmental Consultant	Investigation/Remediation	\$ 335.50	\$0.00	No Invoice provided - lacks sufficient documentation
209		TRANSWEST GEOCHEM	306376	7/8/03	Lab	Investigation/Remediation	\$ 2.250.00		No Invoice provided - lacks sufficient documentation

	Invoice Reference								
tem No.	No.	Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
210		QUALITY BY DESIGN	1462	7/11/03	Contractor	Remediation	\$ 1,800.00	\$0.00	No Invoice provided - lacks sufficient documentation
211		GM CLEMENT & ASSOCIATES INC	EGA3004A	7/22/03	Environmental contractor	Investigation/Remediation	\$5,353.67	\$0.00	No Invoice provided - lacks sufficient documentation
212		GM CLEMENT & ASSOCIATES INC	EGA3004B	7/23/03	Environmental contractor	Investigation/Remediation	\$1,200.11	\$0.00	No Invoice provided - lacks sufficient documentation
213		H S I GEOTRANS INC	INV0000033724	7/29/03	Environmental contractor	Investigation/Remediation	\$ 1,241.66	\$0.00	No Invoice provided - lacks sufficient documentation
214		BASCOR ENVIRONMENTAL, INC.	0307280	8/6/03	Environmental Consultant	Investigation/Remediation	\$ 97.00	\$0.00	No Invoice provided - lacks sufficient documentation
215		US ENVIRONMENTAL RENTAL CORP	R112314	8/7/03	Lab	Investigation/Remediation	\$ 3,570.04	\$0.00	No Invoice provided - lacks sufficient documentation
216		GM CLEMENT & ASSOCIATES INC	3005A	8/18/03	Environmental contractor	Investigation/Remediation	\$658.82	\$0.00	No Invoice provided - lacks sufficient documentation
217		GM CLEMENT & ASSOCIATES INC	3005B	8/18/03	Environmental contractor	Investigation/Remediation	\$728.82	\$0.00	No Invoice provided - lacks sufficient documentation
218		COCHISE CONTRACTORS INC	901016	8/20/03	Civil contractor	Investigation/Remediation	\$ 3,805.33	\$0.00	No Invoice provided - lacks sufficient documentation
219		GEOTRANS INC	INV000037569	8/26/03	Environmental contractor	Investigation/Remediation	\$ 4,690.00	\$0.00	No Invoice provided - lacks sufficient documentation
220		SAGUARO ENVIRONMENTAL SERVICES	386061	9/5/03	Environmental Services	Investigation/Remediation	\$ 182.56	\$0.00	No Invoice provided - lacks sufficient documentation
221		BASCOR ENVIRONMENTAL, INC.	0308280	9/8/03	Environmental Consultant	Investigation/Remediation	\$ 1,407.00	\$0.00	No Invoice provided - lacks sufficient documentation
222		GEOTRANS INC	INV000040219	9/30/03	Environmental contractor	Investigation/Remediation	\$ 12,105.54	\$0.00	No Invoice provided - lacks sufficient documentation
223		COCHISE CONTRACTORS INC	901113	10/2/03	Civil contractor	Investigation/Remediation	\$ 7,724.00	\$0.00	No Invoice provided - lacks sufficient documentation
224		TRANSWEST GEOCHEM	309408	10/6/03	Lab	Investigation/Remediation	\$ 3,600.00	\$0.00	No Invoice provided - lacks sufficient documentation
225		BASCOR ENVIRONMENTAL, INC.	0309280	10/9/03	Environmental Consultant	Investigation/Remediation	\$ 2,061.39	\$0.00	No Invoice provided - lacks sufficient documentation
226		QUALITY BY DESIGN	1500	10/26/03	Contractor	Remediation	\$ 300.00	\$0.00	No Invoice provided - lacks sufficient documentation
227		GM CLEMENT & ASSOCIATES INC	3006A	10/26/03	Environmental contractor	Investigation/Remediation	\$9,107.25	\$0.00	No Invoice provided - lacks sufficient documentation
228		GM CLEMENT & ASSOCIATES INC	3006B	10/27/03	Environmental contractor	Investigation/Remediation	\$5,516.25	\$0.00	No Invoice provided - lacks sufficient documentation
229		GEOTRANS INC	INV000043011	10/28/03	Environmental contractor	Investigation/Remediation	\$ 3,850.78	\$0.00	No Invoice provided - lacks sufficient documentation
230		GEOTRANS INC	INV000045748	11/25/03	Environmental contractor	Investigation/Remediation	\$ 4,415.95	\$0.00	No Invoice provided - lacks sufficient documentation
231		GM CLEMENT & ASSOCIATES INC	3007B	12/3/03	Environmental contractor	Investigation/Remediation	\$977.71	\$0.00	No Invoice provided - lacks sufficient documentation
232		GM CLEMENT & ASSOCIATES INC	3007A	12/4/03	Environmental contractor	Investigation/Remediation	\$1,003.31	\$0.00	No Invoice provided - lacks sufficient documentation
233		MARICOPA COUNTY ENVIRONMENTAL SERVICES	120503	12/5/03	Permits	Remediation	\$ 1,300.00	\$0.00	No Invoice provided - lacks sufficient documentation
234		BASCOR ENVIRONMENTAL, INC.	0311280	12/6/03	Environmental Consultant	Investigation/Remediation	\$ 938.00	\$0.00	No Invoice provided - lacks sufficient documentation
235		ARIZONA PUBLIC SERVICE CO.	247654287DEC03	12/18/03	Utility	Remediation	\$ 76.56	\$0.00	No Invoice provided - lacks sufficient documentation
236		TRANSWEST GEOCHEM	312203	1/2/04	Lab	Investigation/Remediation	\$ 2,250.00	\$0.00	No Invoice provided - lacks sufficient documentation
237		TRANSWEST GEOCHEM	312204	1/2/04	Lab	Investigation/Remediation	\$ 110.00	\$0.00	No Invoice provided - lacks sufficient documentation
238		SAGUARO ENVIRONMENTAL SERVICES	432474	1/8/04	Environmental Services	Investigation/Remediation	\$ 202.70	\$0.00	No Invoice provided - lacks sufficient documentation
239		CASCADE CONTROLS CORP.	016677000	1/16/04	Drilling & Well Services	Investigation/Remediation	\$ 95.30	\$0.00	No Invoice provided - lacks sufficient documentation
240		GM CLEMENT & ASSOCIATES INC	4001A	1/16/04	Environmental contractor	Investigation/Remediation	\$1,225.39	\$0.00	No Invoice provided - lacks sufficient documentation
241		GM CLEMENT & ASSOCIATES INC	4001B	1/16/04	Environmental contractor	Investigation/Remediation	\$950.89	\$0.00	No Invoice provided - lacks sufficient documentation
242		GM CLEMENT & ASSOCIATES INC	4002A	1/22/04	Environmental contractor	Investigation/Remediation	\$6,344.82	\$0.00	No Invoice provided - lacks sufficient documentation
243		GM CLEMENT & ASSOCIATES INC	4002B	1/22/04	Environmental contractor	Investigation/Remediation	\$1,909.70	\$0.00	No Invoice provided - lacks sufficient documentation
244		TRANSWEST GEOCHEM	401156	1/23/04	Lab	Investigation/Remediation	\$ 370.00		No Invoice provided - lacks sufficient documentation
245		GEOTRANS INC	INV000054153	1/27/04	Environmental contractor	Investigation/Remediation	\$ 125.40		No Invoice provided - lacks sufficient documentation
246		VAPORTECH SERVICES	3090	1/31/04	Remediation film coating	Remediation	\$ 559.50		No Invoice provided - lacks sufficient documentation
247		ARIZONA PUBLIC SERVICE CO.	247654287FEB04	2/2/04	Utility	Remediation	\$ 78.35		No Invoice provided - lacks sufficient documentation
248		SAGUARO ENVIRONMENTAL SERVICES	444280	2/3/04	Environmental Services	Investigation/Remediation	\$ 35.00		No Invoice provided - lacks sufficient documentation
249		CASCADE CONTROLS CORP.	016684301	2/5/04	Drilling & Well Services	Investigation/Remediation	\$ 395.93		
250		TRANSWEST GEOCHEM	402012	2/6/04	Lab	Investigation/Remediation	\$ 370.00		No Invoice provided - lacks sufficient documentation

	Invoice						
Item No.	Reference No. Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs Notes
251	J ELLIS SERVICES	523	2/9/04	Remediation contractor	Remediation	\$ 10,502.92	\$0.00 No Invoice provided - lacks sufficient documentation
252	VAPORTECH SERVICES	3117	2/14/04	Remediation film coating	Remediation	\$ 1,425.00	\$0.00 No Invoice provided - lacks sufficient documentation
253	QWEST	6022539179FEB04	2/19/04	Telecom	Remediation	\$ 107.14	\$0.00 No Invoice provided - lacks sufficient documentation
254	US FILTER	0157179IN	2/26/04	Remediation filters/treatment	Remediation	\$ 9,221.05	\$0.00 No Invoice provided - lacks sufficient documentation
255	GEOTRANS INC	INV0000057129	2/26/04	Environmental contractor	Investigation/Remediation	\$ 217.36	\$0.00 No Invoice provided - lacks sufficient documentation
256	GM CLEMENT & ASSOCIATES INC	4003A	3/1/04	Environmental contractor	Investigation/Remediation	\$9,648.30	\$0.00 No Invoice provided - lacks sufficient documentation
257	SAGUARO ENVIRONMENTAL SERVICES	454306	3/3/04	Environmental Services	Investigation/Remediation	\$ 182.51	\$0.00 No Invoice provided - lacks sufficient documentation
258	SAGUARO ENVIRONMENTAL SERVICES	455438	3/3/04	Environmental Services	Investigation/Remediation	\$ 203.34	\$0.00 No Invoice provided - lacks sufficient documentation
259	QUALITY BY DESIGN	1553	3/13/04	Contractor	Remediation	\$ 650.00	\$0.00 No Invoice provided - lacks sufficient documentation
260	ARIZONA PUBLIC SERVICE CO.	247654287MAR04	3/18/04	Utility	Remediation	\$ 79.20	\$0.00 No Invoice provided - lacks sufficient documentation
261	ARIZONA PUBLIC SERVICE CO.	247654287MAR04A	3/18/04	Utility	Remediation	\$ 59.81	\$0.00 No Invoice provided - lacks sufficient documentation
262	QWEST	6022539179MAR04	3/19/04	Telecom	Remediation	\$ 58.51	\$0.00 No Invoice provided - lacks sufficient documentation
263	VAPORTECH SERVICES	3171	3/22/04	Remediation film coating	Remediation	\$ 380.00	\$0.00 No Invoice provided - lacks sufficient documentation
264	ELECTRO TEST INC	0172556IN	3/23/04	Electrical services	Remediation	\$ 3,200.00	\$0.00 No Invoice provided - lacks sufficient documentation
265	TRANSWEST GEOCHEM	403042	3/24/04	Lab	Investigation/Remediation	\$ 150.00	\$0.00 No Invoice provided - lacks sufficient documentation
266	QWEST	6022508602APR04	4/1/04	Telecom	Remediation	\$ 238.33	\$0.00 No Invoice provided - lacks sufficient documentation
267	GEOTRANS INC	INV000061751	4/1/04	Environmental contractor	Investigation/Remediation	\$ 706.42	\$0.00 No Invoice provided - lacks sufficient documentation
268	GM CLEMENT & ASSOCIATES INC	4004A	4/2/04	Environmental contractor	Investigation/Remediation	\$8,153.49	\$0.00 No Invoice provided - lacks sufficient documentation
269	GM CLEMENT & ASSOCIATES INC	4004B	4/5/04	Environmental contractor	Investigation/Remediation	\$312.00	\$0.00 No Invoice provided - lacks sufficient documentation
270	US FILTER	0158592IN	4/8/04	Remediation filters/treatment	Remediation	\$ 8,384.80	\$0.00 No Invoice provided - lacks sufficient documentation
271	TRANSWEST GEOCHEM	403228	4/15/04	Lab	Investigation/Remediation	\$ 2,400.00	\$0.00 No Invoice provided - lacks sufficient documentation
272	ARIZONA PUBLIC SERVICE CO.	247654287APR04	4/15/04	Utility	Remediation	\$ 247.32	\$0.00 No Invoice provided - lacks sufficient documentation
273	ELLIS SYSTEMS INC	535	4/19/04	Remediation contractor	Remediation	\$ 250.00	\$0.00 No Invoice provided - lacks sufficient documentation
274	QWEST	6022539179APR04	4/19/04	Telecom	Remediation	\$ 62.25	\$0.00 No Invoice provided - lacks sufficient documentation
275	TRANSWEST GEOCHEM	404152	4/20/04	Lab	Investigation/Remediation	\$ 370.00	\$0.00 No Invoice provided - lacks sufficient documentation
276	HEBER MINING EXPLORATION CO	241880	4/22/04	Drilling contractor	Investigation/Remediation	\$ 8,530.00	\$0.00 No Invoice provided - lacks sufficient documentation
277	GM CLEMENT & ASSOCIATES INC	4005A	4/23/04	Environmental contractor	Investigation/Remediation	\$8,176.96	\$0.00 No Invoice provided - lacks sufficient documentation
278	GM CLEMENT & ASSOCIATES INC	4005B	4/26/04	Environmental contractor	Investigation/Remediation	\$553.20	\$0.00 No Invoice provided - lacks sufficient documentation
279	GEOTRANS INC	INV000066498	4/29/04	Environmental contractor	Investigation/Remediation	\$ 27.17	\$0.00 No Invoice provided - lacks sufficient documentation
280	POLLUTION CONTROL INDUSTRIES	TN0016644	5/5/04	Remediation system vendor	Remediation	\$ 550.00	\$0.00 No Invoice provided - lacks sufficient documentation
281	TRANSWEST GEOCHEM	404364	5/11/04	Lab	Investigation/Remediation	\$ 881.79	\$0.00 No Invoice provided - lacks sufficient documentation
282	ELLIS SYSTEMS INC	540	5/13/04	Remediation contractor	Remediation	\$ 250.00	\$0.00 No Invoice provided - lacks sufficient documentation
283	TRANSWEST GEOCHEM	404385	5/13/04	Lab	Investigation/Remediation	\$ 175.10	\$0.00 No Invoice provided - lacks sufficient documentation
284	ARIZONA PUBLIC SERVICE CO.	247654287MAY04	5/14/04	Utility	Remediation	\$ 256.12	\$0.00 No Invoice provided - lacks sufficient documentation
285	QWEST	6022539179MAY04	5/19/04	Telecom	Remediation	\$ 43.76	\$0.00 No Invoice provided - lacks sufficient documentation
286	GM CLEMENT & ASSOCIATES INC	4006A	5/20/04	Environmental contractor	Investigation/Remediation	\$4,809.37	\$0.00 No Invoice provided - lacks sufficient documentation
287	GM CLEMENT & ASSOCIATES INC	4006B	5/21/04	Environmental contractor	Investigation/Remediation	\$112.50	\$0.00 No Invoice provided - lacks sufficient documentation
288	TRANSWEST GEOCHEM	405302	5/26/04	Lab	Investigation/Remediation	\$ 555.00	\$0.00 No Invoice provided - lacks sufficient documentation
289	ARIZONA PUBLIC SERVICE CO.	247654287JUN04	6/15/04	Utility	Remediation	\$ 325.95	\$0.00 No Invoice provided - lacks sufficient documentation
290	QWEST	6022539179JUN04	6/19/04	Telecom	Remediation	\$ 42.83	\$0.00 No Invoice provided - lacks sufficient documentation
291	US FILTER	0160756IN	6/22/04	Remediation filters/treatment	Remediation	\$ 8,467.52	\$0.00 No Invoice provided - lacks sufficient documentation
292	GM CLEMENT & ASSOCIATES INC	4007A	7/7/04	Environmental contractor	Investigation/Remediation	\$8,427.93	\$0.00 No Invoice provided - lacks sufficient documentation

	Invoice							
Item No.	Reference No. Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
293	ELLIS SYSTEMS INC	549A	7/7/04	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
294	GM CLEMENT & ASSOCIATES INC	4007B	7/8/04	Environmental contractor	Investigation/Remediation	\$1,072.50	\$0.00	No Invoice provided - lacks sufficient documentation
295	ARIZONA PUBLIC SERVICE CO.	247654287JUL04	7/15/04	Utility	Remediation	\$ 234.38	\$0.00	No Invoice provided - lacks sufficient documentation
296	GM CLEMENT & ASSOCIATES INC	4008A	7/18/04	Environmental contractor	Investigation/Remediation	\$5,581.10	\$0.00	No Invoice provided - lacks sufficient documentation
297	GM CLEMENT & ASSOCIATES INC	4008B	7/19/04	Environmental contractor	Investigation/Remediation	\$1,362.50	\$0.00	No Invoice provided - lacks sufficient documentation
298	QWEST	6022539179JUL04	7/19/04	Telecom	Remediation	\$ 42.70	\$0.00	No Invoice provided - lacks sufficient documentation
299	TRANSWEST GEOCHEM	407158	7/23/04	Lab	Investigation/Remediation	\$ 2,220.00	\$0.00	No Invoice provided - lacks sufficient documentation
300	TRANSWEST GEOCHEM	407105	8/2/04	Lab	Investigation/Remediation	\$ 555.00	\$0.00	No Invoice provided - lacks sufficient documentation
301	ELLIS SYSTEMS INC	557	8/11/04	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
302	ARIZONA PUBLIC SERVICE CO.	247654287AUG04	8/13/04	Utility	Remediation	\$ 251.78	\$0.00	No Invoice provided - lacks sufficient documentation
303	GM CLEMENT & ASSOCIATES INC	4009A	8/16/04	Environmental contractor	Investigation/Remediation	\$2,680.40	\$0.00	No Invoice provided - lacks sufficient documentation
304	GM CLEMENT & ASSOCIATES INC	4009B	8/17/04	Environmental contractor	Investigation/Remediation	\$833.00	\$0.00	No Invoice provided - lacks sufficient documentation
305	QWEST	6022539179AUG04	8/19/04	Telecom	Remediation	\$ 42.42	\$0.00	No Invoice provided - lacks sufficient documentation
306	TRANSWEST GEOCHEM	408312	8/27/04	Lab	Investigation/Remediation	\$ 555.00	\$0.00	No Invoice provided - lacks sufficient documentation
307	QWEST	6022508602SEP04	9/1/04	Telecom	Remediation	\$ 219.97	\$0.00	No Invoice provided - lacks sufficient documentation
308	ARIZONA PUBLIC SERVICE CO.	247654287SEP04	9/14/04	Utility	Remediation	\$ 283.35	\$0.00	No Invoice provided - lacks sufficient documentation
309	QWEST	6022539179SEP04	9/19/04	Telecom	Remediation	\$ 42.52	\$0.00	No Invoice provided - lacks sufficient documentation
310	GM CLEMENT & ASSOCIATES INC	4010A	9/24/04	Environmental contractor	Investigation/Remediation	\$1,983.92	\$0.00	No Invoice provided - lacks sufficient documentation
311	GM CLEMENT & ASSOCIATES INC	4010B	9/24/04	Environmental contractor	Investigation/Remediation	\$390.00	\$0.00	No Invoice provided - lacks sufficient documentation
312	TRANSWEST GEOCHEM	409043	9/27/04	Lab	Investigation/Remediation	\$ 1,657.50	\$0.00	No Invoice provided - lacks sufficient documentation
313	QWEST	6022508602OCT04	10/1/04	Telecom	Remediation	\$ 41.30	\$0.00	No Invoice provided - lacks sufficient documentation
314	ELLIS SYSTEMS INC	569	10/11/04	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
315	GEOMATRIX CONSULTANTS	0032830	10/11/04	Environmental contractor	Investigation/Remediation	\$ 1,751.83	\$0.00	No Invoice provided - lacks sufficient documentation
316	QWEST	6022539179OCT04	10/19/04	Telecom	Remediation	\$ 42.52	\$0.00	No Invoice provided - lacks sufficient documentation
317	ARIZONA PUBLIC SERVICE CO.	247654287OCT04	10/21/04	Utility	Remediation	\$ 290.77	\$0.00	No Invoice provided - lacks sufficient documentation
318	GM CLEMENT & ASSOCIATES INC	4011A	10/28/04	Environmental contractor	Investigation/Remediation	\$4,932.49	\$0.00	No Invoice provided - lacks sufficient documentation
319	GM CLEMENT & ASSOCIATES INC	4011B	10/29/04	Environmental contractor	Investigation/Remediation	\$1,181.78	\$0.00	No Invoice provided - lacks sufficient documentation
320	QWEST	6022508602NOV04	11/1/04	Telecom	Remediation	\$ 42.51	\$0.00	No Invoice provided - lacks sufficient documentation
321	SAGUARO ENVIRONMENTAL SERVICES	544226	11/3/04	Environmental Services	Investigation/Remediation	\$ 209.09	\$0.00	No Invoice provided - lacks sufficient documentation
322	BRANOM INSTRUMENT CO.	265764	11/9/04	Process Instruments	Investigation/Remediation	\$ 134.56	\$0.00	No Invoice provided - lacks sufficient documentation
323	GM CLEMENT & ASSOCIATES INC	4012A	11/10/04	Environmental contractor	Investigation/Remediation	\$1,653.32	\$0.00	No Invoice provided - lacks sufficient documentation
324	GM CLEMENT & ASSOCIATES INC	4012B	11/11/04	Environmental contractor	Investigation/Remediation	\$285.00	\$0.00	No Invoice provided - lacks sufficient documentation
325	ELLIS SYSTEMS INC	575	11/15/04	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
326	MARICOPA COUNTY	020174	11/15/04	Permits	Remediation	\$ 1,350.00	\$0.00	No Invoice provided - lacks sufficient documentation
327	ARIZONA PUBLIC SERVICE CO.	247654287NOV04	11/15/04	Utility	Remediation	\$ 171.72	\$0.00	No Invoice provided - lacks sufficient documentation
328	US FILTER	0165357IN	11/17/04	Remediation filters/treatment	Remediation	\$ 8,276.40	\$0.00	No Invoice provided - lacks sufficient documentation
329	QWEST	6022539179NOV04	11/19/04	Telecom	Remediation	\$ 42.51	\$0.00	No Invoice provided - lacks sufficient documentation
330	QWEST	6022508602DEC04	12/1/04	Telecom	Remediation	\$ 42.51	\$0.00	No Invoice provided - lacks sufficient documentation
331	SAGUARO ENVIRONMENTAL SERVICES	20016510DEC04	12/2/04	Environmental Services	Investigation/Remediation	\$ 226.13	\$0.00	No Invoice provided - lacks sufficient documentation
332	TRANSWEST GEOCHEM	411186	12/8/04	Lab	Investigation/Remediation	\$ 270.00	\$0.00	No Invoice provided - lacks sufficient documentation
333	GM CLEMENT & ASSOCIATES INC	0413B	12/12/04	Environmental contractor	Investigation/Remediation	\$82.50	\$0.00	No Invoice provided - lacks sufficient documentation
334	GM CLEMENT & ASSOCIATES INC	4013A	12/13/04	Environmental contractor	Investigation/Remediation	\$1,737.08	\$0.00	No Invoice provided - lacks sufficient documentation

Item No.	Invoice Reference No.	Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
335		ELLIS SYSTEMS INC	580	12/14/04	Remediation contractor	Remediation	\$ 250.00		No Invoice provided - lacks sufficient documentation
336		ARIZONA PUBLIC SERVICE CO.	247654287DEC04	12/16/04	Utility	Remediation	\$ 178.49		No Invoice provided - lacks sufficient documentation
337		QWEST	6022539179DEC04	12/19/04	Telecom	Remediation	\$ 42.51		No Invoice provided - lacks sufficient documentation
338		QWEST	6022508602JAN05	1/1/05	Telecom	Remediation	\$ 42.62		No Invoice provided - lacks sufficient documentation
339		ELLIS SYSTEMS INC	583	1/11/05	Remediation contractor	Remediation	\$ 250.00		No Invoice provided - lacks sufficient documentation
340		TRANSWEST GEOCHEM	0501099	1/13/05	Lab	Investigation/Remediation	\$ 510.00		No Invoice provided - lacks sufficient documentation
341		ARIZONA PUBLIC SERVICE CO.	247654287JAN05	1/19/05	Utility	Remediation	\$ 213.64		No Invoice provided - lacks sufficient documentation
342		QWEST	6022539179JAN05	1/19/05	Telecom	Remediation	\$ 42.62		No Invoice provided - lacks sufficient documentation
343		QWEST	6022508602FEB05	2/1/05	Telecom	Remediation	\$ 42.62	\$0.00	No Invoice provided - lacks sufficient documentation
344		GM CLEMENT & ASSOCIATES INC	5001A	2/3/05	Environmental contractor	Investigation/Remediation	\$3,405.89	\$0.00	No Invoice provided - lacks sufficient documentation
345		GM CLEMENT & ASSOCIATES INC	5001B	2/3/05	Environmental contractor	Investigation/Remediation	\$1,079.10		No Invoice provided - lacks sufficient documentation
346		ELLIS SYSTEMS INC	589	2/14/05	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
347		ARIZONA PUBLIC SERVICE CO.	247654287FEB05	2/16/05	Utility	Remediation	\$ 169.52	\$0.00	No Invoice provided - lacks sufficient documentation
348		QWEST	6022539179FEB05	2/19/05	Telecom	Remediation	\$ 42.62	\$0.00	No Invoice provided - lacks sufficient documentation
349		QWEST	6022508602MAR05	3/1/05	Telecom	Remediation	\$ 42.62	\$0.00	No Invoice provided - lacks sufficient documentation
350		ELLIS SYSTEMS INC	596	3/8/05	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
351		US FILTER	0168207IN	3/8/05	Remediation filters/treatment	Remediation	\$ 7,858.40	\$0.00	No Invoice provided - lacks sufficient documentation
352		GM CLEMENT & ASSOCIATES INC	5002A	3/15/05	Environmental contractor	Investigation/Remediation	\$1,866.34	\$0.00	No Invoice provided - lacks sufficient documentation
353		ARIZONA PUBLIC SERVICE CO.	247654287MAR05	3/17/05	Utility	Remediation	\$ 173.91	\$0.00	No Invoice provided - lacks sufficient documentation
354		MP ENVIRONMENTAL SERVICES INC.	0526279	3/18/05	Environmental services	Investigation/Remediation	\$ 221.63	\$0.00	No Invoice provided - lacks sufficient documentation
355		QWEST	6022539179MAR05	3/19/05	Telecom	Remediation	\$ 42.62	\$0.00	No Invoice provided - lacks sufficient documentation
356		TRANSWEST GEOCHEM	0503321	3/28/05	Lab	Investigation/Remediation	\$ 225.00	\$0.00	No Invoice provided - lacks sufficient documentation
357		BLOOMQUIST PUMP SERVICE	6111	3/29/05	Wells	Investigation/Remediation	\$ 2,779.00	\$0.00	No Invoice provided - lacks sufficient documentation
358		QWEST	6022508602APR05	4/1/05	Telecom	Remediation	\$ 42.65	\$0.00	No Invoice provided - lacks sufficient documentation
359		GEOMECHANICS SOUTHWEST, INC.	510253	4/4/05	Drilling & Well Services	Investigation/Remediation	\$ 8,876.47	\$0.00	No Invoice provided - lacks sufficient documentation
360		GM CLEMENT & ASSOCIATES INC	5003A	4/11/05	Environmental contractor	Investigation/Remediation	\$9,322.52	\$0.00	No Invoice provided - lacks sufficient documentation
361		GM CLEMENT & ASSOCIATES INC	5003B	4/11/05	Environmental contractor	Investigation/Remediation	\$592.90	\$0.00	No Invoice provided - lacks sufficient documentation
362		MP ENVIRONMENTAL SERVICES INC.	0529402	4/13/05	Environmental services	Investigation/Remediation	\$ 411.13	\$0.00	No Invoice provided - lacks sufficient documentation
363		ARIZONA PUBLIC SERVICE CO.	247654287APR05	4/15/05	Utility	Remediation	\$ 218.06	\$0.00	No Invoice provided - lacks sufficient documentation
364		ELLIS SYSTEMS INC	603	4/18/05	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
365		QWEST	6022539179APR05	4/19/05	Telecom	Remediation	\$ 42.65	\$0.00	No Invoice provided - lacks sufficient documentation
366		TRANSWEST GEOCHEM	0503423	4/27/05	Lab	Investigation/Remediation	\$ 3,504.74	\$0.00	No Invoice provided - lacks sufficient documentation
367		QWEST	6022508602MAY05	5/1/05	Telecom	Remediation	\$ 42.65	\$0.00	No Invoice provided - lacks sufficient documentation
368		ELLIS SYSTEMS INC	608	5/12/05	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
369		ARIZONA PUBLIC SERVICE CO.	247654287MAY05	5/16/05	Utility	Remediation	\$ 179.70	\$0.00	No Invoice provided - lacks sufficient documentation
370		QWEST	6022539179MAY05	5/19/05	Telecom	Remediation	\$ 42.66	\$0.00	No Invoice provided - lacks sufficient documentation
371		GM CLEMENT & ASSOCIATES INC	5004A	5/24/05	Environmental contractor	Investigation/Remediation	\$2,386.18	\$0.00	No Invoice provided - lacks sufficient documentation
372		QWEST	6022508602JUN05	6/1/05	Telecom	Remediation	\$ 42.66	\$0.00	No Invoice provided - lacks sufficient documentation
373		GM CLEMENT & ASSOCIATES INC	5005A	6/13/05	Environmental contractor	Investigation/Remediation	\$2,049.44	\$0.00	No Invoice provided - lacks sufficient documentation
374		GM CLEMENT & ASSOCIATES INC	5005B	6/13/05	Environmental contractor	Investigation/Remediation	\$760.00	\$0.00	No Invoice provided - lacks sufficient documentation
375		ELLIS SYSTEMS INC	614	6/15/05	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
376		ARIZONA PUBLIC SERVICE CO.	247654287JUN05	6/15/05	Utility	Remediation	\$ 315.45	\$0.00	No Invoice provided - lacks sufficient documentation

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Item No.	No.	Vendor		Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
377		QWEST	6022539179JUN05	6/19/05	Telecom	Remediation	\$ 42.66	\$0.00	No Invoice provided - lacks sufficient documentation
378		ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	54597	6/30/05	Arizona	Remediation	\$ 40.00	\$0.00	No Invoice provided - lacks sufficient documentation
379		QWEST	6022508602JUL05	7/1/05	Telecom	Remediation	\$ 42.61	\$0.00	No Invoice provided - lacks sufficient documentation
380		ARIZONA PUBLIC SERVICE CO.	247654287JUL05	7/15/05	Utility	Remediation	\$ 173.93	\$0.00	No Invoice provided - lacks sufficient documentation
381		ELLIS SYSTEMS INC	622	7/18/05	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
382		QWEST	6022539179JUL05	7/19/05	Telecom	Remediation	\$ 42.62	\$0.00	No Invoice provided - lacks sufficient documentation
383		QWEST	6022508602AUG05	8/1/05	Telecom	Remediation	\$ 42.61	\$0.00	No Invoice provided - lacks sufficient documentation
384		ARIZONA PUBLIC SERVICE CO.	247654287AUG05	8/15/05	Utility	Remediation	\$ 116.20	\$0.00	No Invoice provided - lacks sufficient documentation
385		ELLIS SYSTEMS INC	626	8/17/05	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
386		QWEST	6022539179AUG05	8/19/05	Telecom	Remediation	\$ 42.61	\$0.00	No Invoice provided - lacks sufficient documentation
387		GM CLEMENT & ASSOCIATES INC	5006A	8/20/05	Environmental contractor	Investigation/Remediation	\$1,466.13	\$0.00	No Invoice provided - lacks sufficient documentation
388		TRANSWEST GEOCHEM	0508136	8/23/05	Lab	Investigation/Remediation	\$ 555.00	\$0.00	No Invoice provided - lacks sufficient documentation
389		QWEST	6022508602SEP05	9/1/05	Telecom	Remediation	\$ 42.61	\$0.00	No Invoice provided - lacks sufficient documentation
390		GM CLEMENT & ASSOCIATES INC	5007A	9/12/05	Environmental contractor	Investigation/Remediation	\$1,500.78	\$0.00	No Invoice provided - lacks sufficient documentation
391		ARIZONA PUBLIC SERVICE CO.	247654287SEP05	9/14/05	Utility	Remediation	\$ 158.11	\$0.00	No Invoice provided - lacks sufficient documentation
392		ELLIS SYSTEMS INC	632	9/19/05	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
393		QWEST	6022539179SEP05	9/19/05	Telecom	Remediation	\$ 42.61	\$0.00	No Invoice provided - lacks sufficient documentation
394		QWEST	6022508602OCT05	10/1/05	Telecom	Remediation	\$ 42.61	\$0.00	No Invoice provided - lacks sufficient documentation
395		GM CLEMENT & ASSOCIATES INC	5008A	10/10/05	Environmental contractor	Investigation/Remediation	\$3,654.81	\$0.00	No Invoice provided - lacks sufficient documentation
396		ARIZONA PUBLIC SERVICE CO.	247654287OCT05	10/14/05	Utility	Remediation	\$ 118.15	\$0.00	No Invoice provided - lacks sufficient documentation
397		QWEST	6022539179OCT05	10/19/05	Telecom	Remediation	\$ 42.61	\$0.00	No Invoice provided - lacks sufficient documentation
398		ELLIS SYSTEMS INC	640	10/24/05	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
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399		ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	54799	10/28/05	Arizona	Remediation	\$ 40.00	\$0.00	No Invoice provided - lacks sufficient documentation
400		TRANSWEST GEOCHEM	0509352	11/1/05	Lab	Investigation/Remediation	\$ 1,160.25	\$0.00	No Invoice provided - lacks sufficient documentation
401		QWEST	6022508602NOV05	11/1/05	Telecom	Remediation	\$ 42.61	\$0.00	No Invoice provided - lacks sufficient documentation
402		ELLIS SYSTEMS INC	644	11/9/05	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
403		GM CLEMENT & ASSOCIATES INC	5009A	11/10/05	Environmental contractor	Remediation	\$827.77	\$0.00	No Invoice provided - lacks sufficient documentation
404		ARIZONA PUBLIC SERVICE CO.	247654287NOV05	11/15/05	Utility	Remediation	\$ 110.99	\$0.00	No Invoice provided - lacks sufficient documentation
405		QWEST	6022539179NOV05	11/19/05	Telecom	Remediation	\$ 42.61	\$0.00	No Invoice provided - lacks sufficient documentation
406		QWEST	6022508602DEC05	12/1/05	Telecom	Remediation	\$ 42.61	\$0.00	No Invoice provided - lacks sufficient documentation
407		GM CLEMENT & ASSOCIATES INC	5010B	12/5/05	Environmental contractor	Investigation/Remediation	\$412.50	\$0.00	No Invoice provided - lacks sufficient documentation
408		GM CLEMENT & ASSOCIATES INC	5010A	12/6/05	Environmental contractor	Investigation/Remediation	\$2,152.83	\$0.00	No Invoice provided - lacks sufficient documentation
409		MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT	020174DEC05	12/7/05	Permits	Remediation	\$ 1.660.00	\$0.00	No Invoice provided - lacks sufficient documentation
410		ELLIS SYSTEMS INC	652	12/12/05	Remediation contractor	Remediation	\$ 250.00		No Invoice provided - lacks sufficient documentation
411		ARIZONA PUBLIC SERVICE CO.	247654287DEC05	12/16/05	Utility	Remediation	\$ 144.83		No Invoice provided - lacks sufficient documentation
412		QWEST	6022539179DEC05	12/19/05	Telecom	Remediation	\$ 42.61		No Invoice provided - lacks sufficient documentation
413		QWEST	6022508602JAN06	1/1/06	Telecom	Remediation	\$ 42.62		No Invoice provided - lacks sufficient documentation
413		ELLIS SYSTEMS INC	660	1/19/06	Remediation contractor	Remediation	\$ 250.00		No Invoice provided - lacks sufficient documentation
414		ARIZONA PUBLIC SERVICE CO.	247654287JAN06	1/19/06	Utility	Remediation	\$ 230.00		No Invoice provided - lacks sufficient documentation
415		QWEST	6022539179JAN06	1/19/06	Telecom	Remediation	\$ 42.62		No Invoice provided - lacks sufficient documentation

	Invoice								
Item No.	Reference No.	Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
417		ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	57326	1/30/06	Arizona	Remediation	\$ 260.00		No Invoice provided - lacks sufficient documentation
418		QWEST	6022508602FEB06	2/1/06	Telecom	Remediation	\$ 42.62		No Invoice provided - lacks sufficient documentation
419		GM CLEMENT & ASSOCIATES INC	6001A	2/6/06	Environmental contractor	Investigation/Remediation	\$3,206.68		No Invoice provided - lacks sufficient documentation
420		GM CLEMENT & ASSOCIATES INC	6001B	2/6/06	Environmental contractor	Investigation/Remediation	\$1,545.00	\$0.00	No Invoice provided - lacks sufficient documentation
421		ELLIS SYSTEMS INC	670	2/9/06	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
422		GM CLEMENT & ASSOCIATES INC	6002A	2/14/06	Environmental contractor	Investigation/Remediation	\$2,185.54	\$0.00	No Invoice provided - lacks sufficient documentation
423		GM CLEMENT & ASSOCIATES INC	6002B	2/14/06	Environmental contractor	Investigation/Remediation	\$1,460.61	\$0.00	No Invoice provided - lacks sufficient documentation
424		QWEST	6022539179FEB06	2/19/06	Telecom	Remediation	\$ 42.62	\$0.00	No Invoice provided - lacks sufficient documentation
425		ARIZONA PUBLIC SERVICE CO.	247654287FEB06	2/20/06	Utility	Remediation	\$ 27.06	\$0.00	No Invoice provided - lacks sufficient documentation
426		QWEST	6022508602MAR06	3/1/06	Telecom	Remediation	\$ 42.62	\$0.00	No Invoice provided - lacks sufficient documentation
427		GM CLEMENT & ASSOCIATES INC	6003A	3/13/06	Environmental contractor	Investigation/Remediation	\$1,912.69	\$0.00	No Invoice provided - lacks sufficient documentation
428		ELLIS SYSTEMS INC	684	3/14/06	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
429		QWEST	6022539179MAR06	3/19/06	Telecom	Remediation	\$ 42.62	\$0.00	No Invoice provided - lacks sufficient documentation
430		BLOOMQUIST PUMP SERVICE	6082	3/20/06	Wells	Investigation/Remediation	\$ 737.46	\$0.00	No Invoice provided - lacks sufficient documentation
431		ARIZONA PUBLIC SERVICE CO.	247654287MAR06	3/20/06	Utility	Remediation	\$ 29.60	\$0.00	No Invoice provided - lacks sufficient documentation
432		QWEST	6022508602APR06	4/1/06	Telecom	Remediation	\$ 42.66	\$0.00	No Invoice provided - lacks sufficient documentation
433		TRANSWEST GEOCHEM	0621555	4/5/06	Lab	Investigation/Remediation	\$ 3,149.25	\$0.00	No Invoice provided - lacks sufficient documentation
434		GM CLEMENT & ASSOCIATES INC	6004A	4/10/06	Environmental contractor	Investigation/Remediation	\$4,850.90	\$0.00	No Invoice provided - lacks sufficient documentation
435		GM CLEMENT & ASSOCIATES INC	6004B	4/10/06	Environmental contractor	Investigation/Remediation	\$577.19	\$0.00	No Invoice provided - lacks sufficient documentation
436		ARIZONA PUBLIC SERVICE CO.	247654287APR06	4/18/06	Utility	Remediation	\$ 25.61	\$0.00	No Invoice provided - lacks sufficient documentation
437		QWEST	6022539179APR06	4/19/06	Telecom	Remediation	\$ 42.66	\$0.00	No Invoice provided - lacks sufficient documentation
438		QWEST	6022508602MAY06	5/1/06	Telecom	Remediation	\$ 42.66	\$0.00	No Invoice provided - lacks sufficient documentation
439		GM CLEMENT & ASSOCIATES INC	6005A	5/15/06	Environmental contractor	Investigation/Remediation	\$4,621.09		No Invoice provided - lacks sufficient documentation
440		ARIZONA PUBLIC SERVICE CO.	247654287MAY06	5/16/06	Utility	Remediation	\$ 55.66		No Invoice provided - lacks sufficient documentation
441		QWEST	6022539179MAY06	5/19/06	Telecom	Remediation	\$ 42.66		No Invoice provided - lacks sufficient documentation
442		QWEST	6022508602JUN06	6/1/06	Telecom	Remediation	\$ 42.66		No Invoice provided - lacks sufficient documentation
443		ELLIS SYSTEMS INC	712	6/5/06	Remediation contractor	Remediation	\$ 250.00		No Invoice provided - lacks sufficient documentation
444		TRANSWEST GEOCHEM	0622768	6/5/06	Lab	Investigation/Remediation	\$ 555.00		No Invoice provided - lacks sufficient documentation
445		GM CLEMENT & ASSOCIATES INC	6006A	6/12/06	Environmental contractor	Investigation/Remediation	\$1,261.99		No Invoice provided - lacks sufficient documentation
446		ARIZONA PUBLIC SERVICE CO.	247654287JUN06	6/15/06	Utility	Remediation	\$ 197.51		No Invoice provided - lacks sufficient documentation
447		ARIZONA PUBLIC SERVICE CO.	M	6/15/06	Utility	Remediation	(\$ 3.82)		No Invoice provided - lacks sufficient documentation
448		QWEST	6022539179JUN06	6/19/06	Telecom	Remediation	\$ 42.66		No Invoice provided - lacks sufficient documentation
440		SIEMENS WATER TECHNOLOGIES CORP	1832104	6/26/06	Environmental services	Remediation	\$ 8,076.48		No Invoice provided - lacks sufficient documentation
449		QWEST	6022508602JUL06	7/1/06	Telecom	Remediation	\$ 42.54		No Invoice provided - lacks sufficient documentation
450 451		SAGUARO ENVIRONMENTAL SERVICES	771586	7/5/06	Environmental Services	Investigation/Remediation	\$ 42.34		No Invoice provided - lacks sufficient documentation
451		SAGUARO ENVIRONMENTAL SERVICES	771586CR	7/5/06	Environmental Services	Investigation/Remediation	(\$ 253.72)		No Invoice provided - lacks sufficient documentation
452		ELLIS SYSTEMS INC	724	7/10/06		, i i i i i i i i i i i i i i i i i i i	(\$ 253.72) \$ 250.00		•
453			124	7/10/06	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
454		ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	57927	7/18/06	Arizona	Remediation	\$ 37.50	\$0.00	No Invoice provided - lacks sufficient documentation
455		ARIZONA PUBLIC SERVICE CO.	247654287JUL06	7/19/06	Utility	Remediation	\$ 419.94	\$0.00	No Invoice provided - lacks sufficient documentation
456		QWEST	6022539179JUL06	7/19/06	Telecom	Remediation	\$ 42.54	\$0.00	No Invoice provided - lacks sufficient documentation

Item No.	Invoice Reference No.	Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
457		GM CLEMENT & ASSOCIATES INC	6007A	7/27/06	Environmental contractor	Investigation/Remediation	\$2,339.75	\$0.00	No Invoice provided - lacks sufficient documentation
458		QWEST	6022508602AUG06	8/1/06	Telecom	Remediation	\$ 43.18	\$0.00	No Invoice provided - lacks sufficient documentation
459		ELLIS SYSTEMS INC	731	8/15/06	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
460		TRANSWEST GEOCHEM	0623967	8/15/06	Lab	Investigation/Remediation	\$ 606.00	\$0.00	No Invoice provided - lacks sufficient documentation
461		ARIZONA PUBLIC SERVICE CO.	247654287AUG06	8/15/06	Utility	Remediation	\$ 336.44	\$0.00	No Invoice provided - lacks sufficient documentation
462		QWEST	6022539179AUG06	8/19/06	Telecom	Remediation	\$ 42.54	\$0.00	No Invoice provided - lacks sufficient documentation
463		QWEST	6022508602SEP06	9/1/06	Telecom	Remediation	\$ 43.18	\$0.00	No Invoice provided - lacks sufficient documentation
464		GM CLEMENT & ASSOCIATES INC	6008A	9/5/06	Environmental contractor	Investigation/Remediation	\$2,609.23	\$0.00	No Invoice provided - lacks sufficient documentation
465		INNOVATIVE ENGINEERING SOLUTIONS, INC.	5684	9/11/06	Environmental services	Investigation/Remediation	\$ 2,956.29	\$0.00	No Invoice provided - lacks sufficient documentation
466		GM CLEMENT & ASSOCIATES INC	6009A	9/13/06	Environmental contractor	Investigation/Remediation	\$6,961.17	\$0.00	No Invoice provided - lacks sufficient documentation
467		ARIZONA PUBLIC SERVICE CO.	247654287SEP06	9/14/06	Utility	Remediation	\$ 49.90	\$0.00	No Invoice provided - lacks sufficient documentation
468		GM CLEMENT & ASSOCIATES INC	6009B	9/14/06	Environmental contractor	Investigation/Remediation	\$596.60	\$0.00	No Invoice provided - lacks sufficient documentation
469		QWEST	6022539179SEP06	9/19/06	Telecom	Remediation	\$ 42.54	\$0.00	No Invoice provided - lacks sufficient documentation
470		MOTION INDUSTRIES	AZ51810568	9/29/06	Industrial supplies	Investigation/Remediation	\$ 2,577.23	\$0.00	No Invoice provided - lacks sufficient documentation
471		QWEST	6022508602OCT06	10/1/06	Telecom	Remediation	\$ 43.09	\$0.00	No Invoice provided - lacks sufficient documentation
472		GM CLEMENT & ASSOCIATES INC	6010A	10/4/06	Environmental contractor	Investigation/Remediation	\$6,541.57	\$0.00	No Invoice provided - lacks sufficient documentation
473		GM CLEMENT & ASSOCIATES INC	6010B	10/4/06	Environmental contractor	Investigation/Remediation	\$594.10	\$0.00	No Invoice provided - lacks sufficient documentation
474		INNOVATIVE ENGINEERING SOLUTIONS, INC.	5730	10/9/06	Environmental services	Investigation/Remediation	\$ 2,075.77	\$0.00	No Invoice provided - lacks sufficient documentation
475		ARIZONA PUBLIC SERVICE CO.	247654287OCT06	10/13/06	Utility	Remediation	\$ 71.96	\$0.00	No Invoice provided - lacks sufficient documentation
476		TRANSWEST GEOCHEM	0625063	10/17/06	Lab	Investigation/Remediation	\$ 1,534.25	\$0.00	No Invoice provided - lacks sufficient documentation
477		QWEST	6022539179OCT06	10/19/06	Telecom	Remediation	\$ 42.45	\$0.00	No Invoice provided - lacks sufficient documentation
478		QWEST	6022508602NOV06	11/1/06	Telecom	Remediation	\$ 43.09	\$0.00	No Invoice provided - lacks sufficient documentation
479		INNOVATIVE ENGINEERING SOLUTIONS, INC.	5789	11/8/06	Environmental services	Investigation/Remediation	\$ 1,545.34	\$0.00	No Invoice provided - lacks sufficient documentation
480		ARIZONA PUBLIC SERVICE CO.	247654287NOV06	11/14/06	Utility	Remediation	\$ 258.87	\$0.00	No Invoice provided - lacks sufficient documentation
481		GM CLEMENT & ASSOCIATES INC	6011A	11/16/06	Environmental contractor	Investigation/Remediation	\$4,582.23	\$0.00	No Invoice provided - lacks sufficient documentation
482		GM CLEMENT & ASSOCIATES INC	6011B	11/17/06	Environmental contractor	Investigation/Remediation	\$1,054.00	\$0.00	No Invoice provided - lacks sufficient documentation
483		QWEST	6022539179NOV06	11/19/06	Telecom	Remediation	\$ 42.45	\$0.00	No Invoice provided - lacks sufficient documentation
484		QWEST	6022508602DEC06	12/1/06	Telecom	Remediation	\$ 43.09	\$0.00	No Invoice provided - lacks sufficient documentation
485		MARICOPA COUNTY	120406	12/4/06	Permits	Remediation	\$ 1,710.00	\$0.00	No Invoice provided - lacks sufficient documentation
486		GM CLEMENT & ASSOCIATES INC	6012A	12/5/06	Environmental contractor	Investigation/Remediation	\$2,417.37	\$0.00	No Invoice provided - lacks sufficient documentation
487		GM CLEMENT & ASSOCIATES INC	6012B	12/5/06	Environmental contractor	Investigation/Remediation	\$1,653.42	\$0.00	No Invoice provided - lacks sufficient documentation
488		INNOVATIVE ENGINEERING SOLUTIONS, INC.	5843	12/13/06	Environmental services	Investigation/Remediation	\$ 213.15	\$0.00	No Invoice provided - lacks sufficient documentation
489		ARIZONA PUBLIC SERVICE CO.	247654287DEC06	12/15/06	Utility	Remediation	\$ 314.87	\$0.00	No Invoice provided - lacks sufficient documentation
490		QWEST	6022539179DEC06	12/19/06	Telecom	Remediation	\$ 42.45	\$0.00	No Invoice provided - lacks sufficient documentation
491		QWEST	6022508602JAN07	1/1/07	Telecom	Remediation	\$ 42.49	\$0.00	No Invoice provided - lacks sufficient documentation
492		INNOVATIVE ENGINEERING SOLUTIONS, INC.	5888	1/8/07	Environmental services	Investigation/Remediation	\$ 106.58	\$0.00	No Invoice provided - lacks sufficient documentation
493		ARIZONA PUBLIC SERVICE CO.	247654287JAN07	1/18/07	Utility	Remediation	\$ 300.60	\$0.00	No Invoice provided - lacks sufficient documentation
494		QWEST	6022539179JAN07	1/19/07	Telecom	Remediation	\$ 42.49	\$0.00	No Invoice provided - lacks sufficient documentation
495		QWEST	6022508602FEB07	2/1/07	Telecom	Remediation	\$ 42.49	\$0.00	No Invoice provided - lacks sufficient documentation
496		ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	60774	2/9/07	Arizona	Remediation	\$ 300.00	\$0.00	No Invoice provided - lacks sufficient documentation
497		GM CLEMENT & ASSOCIATES INC	7001A	2/11/07	Environmental contractor	Investigation/Remediation	\$1,736.33	\$0.00	No Invoice provided - lacks sufficient documentation

Item No.	Invoice Reference No.	Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
498		GM CLEMENT & ASSOCIATES INC	7001B	2/11/07	Environmental contractor	Investigation/Remediation	\$555.21	\$0.00	No Invoice provided - lacks sufficient documentation
499		TRANSWEST GEOCHEM	0626863	2/14/07	Lab	Investigation/Remediation	\$ 185.00	\$0.00	No Invoice provided - lacks sufficient documentation
500		TRANSWEST GEOCHEM	0626864	2/14/07	Lab	Investigation/Remediation	\$ 185.00	\$0.00	No Invoice provided - lacks sufficient documentation
501		ARIZONA PUBLIC SERVICE CO.	247654287FEB07	2/15/07	Utility	Remediation	\$ 298.20	\$0.00	No Invoice provided - lacks sufficient documentation
502		QWEST	60225391798FEB07	2/19/07	Telecom	Remediation	\$ 42.49	\$0.00	No Invoice provided - lacks sufficient documentation
503		QWEST	6022508602MAR07	3/1/07	Telecom	Remediation	\$ 42.49	\$0.00	No Invoice provided - lacks sufficient documentation
504	0001	ARIZONA PUBLIC SERVICE CO.	247654287mar07	3/16/07	Utility	Remediation	\$ 62.10	\$62.10	
505	0002	GM CLEMENT & ASSOCIATES INC	7002a	3/16/07	Environmental contractor	Investigation/Remediation	\$4,931.48	\$4,931.48	
506		QWEST	6022539179	3/19/07	Telecom	Remediation	\$ 42.49	\$0.00	No Invoice provided - lacks sufficient documentation
507		TRANSWEST GEOCHEM	0627558	3/21/07	Lab	Investigation/Remediation	\$ 185.00	\$0.00	No Invoice provided - lacks sufficient documentation
508		TRANSWEST GEOCHEM	0627559	3/21/07	Lab	Investigation/Remediation	\$ 370.00	\$0.00	No Invoice provided - lacks sufficient documentation
509	0003	QUARLES & BRADY LLP	1321150	3/23/07	Legal	Investigation/Remediation	\$ 55.00	\$0.00	Not appropriate for cost credit
510		SIEMENS WATER TECHNOLOGIES CORP	2081599	3/29/07	Environmental services	Remediation	\$ 9,334.86	\$0.00	No Invoice provided - lacks sufficient documentation
511		TRANSWEST GEOCHEM	0627736	3/30/07	Lab	Investigation/Remediation	\$ 1,326.00	\$0.00	No Invoice provided - lacks sufficient documentation
512		SIEMENS WATER TECHNOLOGIES CORP	2083925	3/30/07	Environmental services	Remediation	\$ 494.04	\$0.00	No Invoice provided - lacks sufficient documentation
513		QWEST	6022508602APR07	4/1/07	Telecom	Remediation	\$ 42.63	\$0.00	No Invoice provided - lacks sufficient documentation
514	0004	INNOVATIVE ENGINEERING SOLUTIONS, INC.	6069	4/11/07	Environmental services	Investigation/Remediation	\$ 657.72	\$ 657.72	
515	0005	ARIZONA PUBLIC SERVICE CO.	247654287apr07	4/17/07	Utility	Remediation	\$ 265.01	\$265.01	
516	0006	QWEST	6022539179apr07	4/19/07	Telecom	Remediation	\$ 42.63	\$42.63	
517	0007	GM CLEMENT & ASSOCIATES INC	7003a	4/23/07	Environmental contractor	Investigation/Remediation	\$5,478.69	\$5,478.69	
518	0008	GM CLEMENT & ASSOCIATES INC	7003b	4/23/07	Environmental contractor	Investigation/Remediation	\$540.06	\$540.06	
519	0009	QUARLES & BRADY LLP	1327660	4/25/07	Legal	Investigation/Remediation	\$ 82.50	\$0.00	Not appropriate for cost credit
520		INNOVATIVE ENGINEERING SOLUTIONS, INC.	6099	4/30/07	Environmental services	Investigation/Remediation	\$ 164.43	\$0.00	No Invoice provided - lacks sufficient documentation
521	0010	QWEST	6022508602may07	5/1/07	Telecom	Remediation	\$ 42.63	\$42.63	
522		ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	60927	5/7/07	Arizona	Remediation	\$ 40.00	\$0.00	No Invoice provided - lacks sufficient documentation
523	0011	ARIZONA PUBLIC SERVICE CO.	247654287may07	5/16/07	Utility	Remediation	\$ 168.97	\$168.97	·
524	0012	QWEST	6022539179	5/19/07	Telecom	Remediation	\$ 42.63	\$42.63	
525	0013	GM CLEMENT & ASSOCIATES INC	7004a	5/20/07	Environmental contractor	Investigation/Remediation	\$2,570.12	\$2,570.12	
526	0014	QWEST	6022508602jun07	6/1/07	Telecom	Remediation	\$ 43.27	\$43.27	
527	0015	XCHANGER INC	13399	6/8/07	Remediation Heat Exchanger	Remediation	\$ 3,620.00	\$3,620.00	
528	0016	ARIZONA PUBLIC SERVICE CO.	247654287JUN07	6/15/07	Utility	Remediation	\$ 162.02	\$ 162.02	
529	0017	QWEST	6022539179JUN07	6/19/07	Telecom	Remediation	\$ 43.27	\$43.27	
530	0018	ELLIS SYSTEMS INC	838	6/25/07	Remediation contractor	Remediation	\$ 250.00	\$250.00	
531		GM CLEMENT & ASSOCIATES INC	7005A	6/29/07	Environmental contractor	Investigation/Remediation	\$4,273.67	\$4,273.67	
532	0020	QWEST	6022508602JUL07	7/1/07	Telecom	Remediation	\$ 41.37	\$41.37	
533	0021	GM CLEMENT & ASSOCIATES INC	7006A	7/15/07	Environmental contractor	Investigation/Remediation	\$1,331.69	\$1,331.69	
534		ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	071707	7/17/07	Arizona	Remediation	\$ 39.00	\$0.00	No Invoice provided - lacks sufficient documentation
535	0022	ARIZONA PUBLIC SERVICE CO.	247654287JUL07	7/17/07	Utility	Remediation	\$ 175.34	\$ 175.34	
536		QWEST	6022539179JUL07	7/19/07	Telecom	Remediation	\$ 43.77	\$43.77	
537		ELLIS SYSTEMS INC	847	7/23/07	Remediation contractor	Remediation	\$ 250.00	\$250.00	
538		QWEST	6022508602AUG07	8/1/07	Telecom	Remediation	\$ 43.11	\$43.11	

Item No.	Invoice Reference No.	Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
539		ELLIS SYSTEMS INC	855	8/6/07	Remediation contractor	Remediation	\$ 250.00	\$250.00	NOIES
540	0020	APS WATER SERVICES CORPORATION	247654287AUG	8/15/07	Utility	Remediation	(\$ 188.65)		No Invoice provided - lacks sufficient documentation
541	0027	APS WATER SERVICES CORPORATION	247654287AUG07	8/15/07	Utility	Remediation	\$ 188.65	\$188.65	
542	0027	APS WATER SERVICES CORPORATION	247654287aug07	8/15/07	Utility	Remediation	\$ 188.65	\$0.00	No Invoice provided - lacks sufficient documentation
543	0028	GM CLEMENT & ASSOCIATES INC	7007A	8/17/07	Environmental contractor	Investigation/Remediation	\$2,948.90	\$2.948.90	
544		QWEST	6022539179AUG07	8/19/07	Telecom	Remediation	\$ 43.13	\$43.13	
545		QWEST	6202508602SEP07	9/1/07	Telecom	Remediation	\$ 43.62	\$43.62	
546		GM CLEMENT & ASSOCIATES INC	7008A	9/7/07	Environmental contractor	Investigation/Remediation	\$6,827.40	\$6,827.40	
547		APS WATER SERVICES CORPORATION	247654287SEP07	9/14/07	Utility	Remediation	\$ 467.97	\$0.00	No Invoice provided - lacks sufficient documentation
548	0032	ELLIS SYSTEMS INC	880	9/17/07	Remediation contractor	Remediation	\$ 250.00	\$250.00	
549		QWEST	6022539179SEP07	9/19/07	Telecom	Remediation	\$ 43.13	\$43.13	
550		QWEST	6022508602OCT07	10/1/07	Telecom	Remediation	\$ 43.12	\$43.12	
551		ELLIS SYSTEMS INC	887	10/2/07	Remediation contractor	Remediation	\$ 250.00	\$250.00	
552		TRANSWEST GEOCHEM	0631393	10/4/07	Lab	Investigation/Remediation	\$ 2.652.00	\$2.652.00	
553		TRANSWEST GEOCHEM	0631501	10/10/07	Lab	Investigation/Remediation	\$ 994.50	\$994.50	
554		ARIZONA PUBLIC SERVICE CO.	247654287OCT07	10/15/07	Utility	Remediation	\$ 375.82	\$375.82	
555	0039	GM CLEMENT & ASSOCIATES INC	7009A	10/18/07	Environmental contractor	Investigation/Remediation	\$10,863.25	\$10,863.25	
556	0040	QWEST	6022539179OCT07	10/19/07	Telecom	Remediation	\$ 43.13	\$43.13	
557	0041	GM CLEMENT & ASSOCIATES INC	7009B	10/19/07	Environmental contractor	Investigation/Remediation	\$1,391.98	\$1,391.98	
558	0042	QWEST	6022508602NOV07	11/1/07	Telecom	Remediation	\$ 42.49	\$42.49	
559		GM CLEMENT & ASSOCIATES INC	7010A	11/5/07	Environmental contractor	Investigation/Remediation	\$1,526.86	\$1,526.86	
560	0044	GM CLEMENT & ASSOCIATES INC	7010B	11/6/07	Environmental contractor	Investigation/Remediation	\$331.66	\$331.66	
561		ARIZONA PUBLIC SERVICE CO.	247654287NOV07	11/14/07	Utility	Remediation	\$ 179.47	\$ 179.47	
562	0046	QWEST	6022539179NOV07	11/19/07	Telecom	Remediation	\$ 43.11	\$43.11	
563		ELLIS SYSTEMS INC	902	11/26/07	Remediation contractor	Remediation	\$ 250.00	\$250.00	
564		MARICOPA COUNTY AIR QUALITY DEPT	020174DEC07	11/29/07	Permits	Remediation	\$ 1,780.00	\$0.00	No Invoice provided - lacks sufficient documentation
565	0048	TRANSWEST GEOCHEM	0632586	11/30/07	Lab	Investigation/Remediation	\$ 510.00	\$510.00	,
566	0049	QWEST	6022508602DEC07	12/1/07	Telecom	Remediation	\$ 42.47	\$42.47	
567	0050	ELLIS SYSTEMS INC	911	12/11/07	Remediation contractor	Remediation	\$ 250.00	\$250.00	
568	0051	GM CLEMENT & ASSOCIATES INC	7011A	12/17/07	Environmental contractor	Investigation/Remediation	\$2,529.26	\$2,529.26	
569	0052	GM CLEMENT & ASSOCIATES INC	7011B	12/17/07	Environmental contractor	Investigation/Remediation	\$541.02	\$541.02	
570	0053	QWEST	6022539179DEC07	12/19/07	Telecom	Remediation	\$ 43.11	\$43.11	
571	0054	ELLIS SYSTEMS INC	916	1/7/08	Remediation contractor	Remediation	\$ 250.00	\$250.00	
572	0055	GM CLEMENT & ASSOCIATES INC	8001A	2/5/08	Environmental contractor	Investigation/Remediation	\$4,365.71	\$4,365.71	
573	0056	GM CLEMENT & ASSOCIATES INC	8001B	2/5/08	Environmental contractor	Investigation/Remediation	\$874.00	\$874.00	
574	0057	ELLIS SYSTEMS INC	922	2/11/08	Remediation contractor	Remediation	\$ 250.00	\$250.00	
575		ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	64293	2/11/08	Arizona	Remediation	\$ 300.00	\$0.00	No Invoice provided - lacks sufficient documentation
576		QWEST	6022539179FEB08	2/19/08	Telecom	Remediation	\$ 43.06	\$0.00	No Invoice provided - lacks sufficient documentation
577	0058	GM CLEMENT & ASSOCIATES INC	8002A	2/20/08	Environmental contractor	Investigation/Remediation	\$6,881.53	\$6,881.53	
578	0059	GM CLEMENT & ASSOCIATES INC	8002B	2/20/08	Environmental contractor	Investigation/Remediation	\$3,210.43	\$3,210.43	
579	0060	QWEST	6022539179MAR08	3/19/08	Telecom	Remediation	\$ 43.71	\$43.71	

	Invoice Reference							
Item No.	No. Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
580	0061 GM CLEMENT & ASSOCIATES INC	8003B	3/23/08	Environmental contractor	Investigation/Remediation	\$1,521.33	\$1,521.33	
581	0062 GM CLEMENT & ASSOCIATES INC	8003A	3/24/08	Environmental contractor	Investigation/Remediation	\$4,596.54	\$4,596.54	
582	0063 ELLIS SYSTEMS INC	935	3/25/08	Remediation contractor	Remediation	\$ 250.00	\$250.00	
583	0064 GM CLEMENT & ASSOCIATES INC	8004B	4/21/08	Environmental contractor	Investigation/Remediation	\$573.27	\$573.27	
584	0065 GM CLEMENT & ASSOCIATES INC	8004A	4/22/08	Environmental contractor	Investigation/Remediation	\$4,281.61	\$4,281.61	
585	0066 ELLIS SYSTEMS INC	946	4/28/08	Remediation contractor	Remediation	\$ 250.00	\$250.00	
586	0067 COLUMBIA ANALYTICAL SERVICES INC.	0640225	4/30/08	Lab	Investigation/Remediation	\$ 246.50	\$246.50	
587	0068 COLUMBIA ANALYTICAL SERVICES INC.	0635064	5/9/08	Lab	Investigation/Remediation	\$ 994.50	\$994.50	
588	0069 GM CLEMENT & ASSOCIATES INC	8005A	5/19/08	Environmental contractor	Investigation/Remediation	\$2,867.90	\$2,867.90	
589	0070 ELLIS SYSTEMS INC	951	5/20/08	Remediation contractor	Remediation	\$ 250.00	\$250.00	
590	QWEST	6022539179JUN08	6/2/08	Telecom	Remediation	\$ 53.33	\$0.00	No Invoice provided - lacks sufficient documentation
591	0071 GM CLEMENT & ASSOCIATES INC	8006A	6/3/08	Environmental contractor	Investigation/Remediation	\$11,174.21	\$11,174.21	
592	0072 ELLIS SYSTEMS INC	958	6/9/08	Remediation contractor	Remediation	\$ 250.00	\$250.00	
593	0073 SUNSET ANALYTICAL LABORATORY	063008	6/30/08	Lab	Investigation/Remediation	\$ 480.00	\$480.00	
594	0074 GM CLEMENT & ASSOCIATES INC	8007A	7/8/08	Environmental contractor	Investigation/Remediation	\$2,877.38	\$2,877.38	
595	0075 ELLIS SYSTEMS INC	975	7/14/08	Remediation contractor	Remediation	\$ 250.00	\$250.00	
596	0076 SIEMENS WATER TECHNOLOGIES CORP	2507803	7/14/08	Environmental services	Remediation	\$ 8,103.76	\$8,103.76	
597	0077 ELLIS SYSTEMS INC	987	8/8/08	Remediation contractor	Remediation	\$ 250.00	\$250.00	
598	0078 GM CLEMENT & ASSOCIATES INC	8008A	8/19/08	Environmental contractor	Investigation/Remediation	\$3,120.18	\$3,120.18	
599	0079 ELLIS SYSTEMS INC	993	9/15/08	Remediation contractor	Remediation	\$ 250.00	\$250.00	
600	0080 SUNSET ANALYTICAL LABORATORY	1102	9/18/08	Lab	Investigation/Remediation	\$ 3,375.00	\$3,375.00	
601	0081 GM CLEMENT & ASSOCIATES INC	8010A	10/6/08	Environmental contractor	Investigation/Remediation	\$6,938.82	\$6,938.82	
602	ELLIS SYSTEMS INC	1000	10/9/08	Remediation contractor	Remediation	\$ 250.00	\$0.00	No Invoice provided - lacks sufficient documentation
603	0082 GM CLEMENT & ASSOCIATES INC	8009A	10/9/08	Environmental contractor	Investigation/Remediation	\$2,335.26	\$2,335.26	
604	0083 SUNSET ANALYTICAL LABORATORY	101008	10/10/08	Lab	Investigation/Remediation	\$ 125.00	\$125.00	
605	0084 GM CLEMENT & ASSOCIATES INC	8010B	10/16/08	Environmental contractor	Investigation/Remediation	\$4,100.16	\$4,100.16	
606	ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	102008	10/20/08	Arizona	Remediation	\$ 48.70		No Invoice provided - lacks sufficient documentation
607	0085 MARICOPA COUNTY	020174	11/17/08	Permits	Remediation	\$ 1,550.00	\$1,550.00	
608	0086 FIBER FORCE COMMUNICATIONS INC	100852	12/8/08	Contractor	Remediation	\$ 6,940.00	\$6,940.00	
609	0087 GM CLEMENT & ASSOCIATES INC	8012A	12/20/08	Environmental contractor	Investigation/Remediation	\$2,829.25	\$2,829.25	
610	0088 GM CLEMENT & ASSOCIATES INC	8012B	12/20/08	Environmental contractor	Investigation/Remediation	\$806.01	\$806.01	
611	0089 SUNSET ANALYTICAL LABORATORY	1228	12/29/08	Lab	Investigation/Remediation	\$ 525.00	\$525.00	
612	0090 ELLIS SYSTEMS INC	1025	1/7/09	Remediation contractor	Remediation	\$ 250.00	\$250.00	
613	0091 ELLIS SYSTEMS INC	1026	1/7/09	Remediation contractor	Remediation	\$ 250.00	\$250.00	
614	0092 GM CLEMENT & ASSOCIATES INC	8011A	1/14/09	Environmental contractor	Investigation/Remediation	\$4,862.96	\$4,862.96	
615	0093 GM CLEMENT & ASSOCIATES INC	9001A	1/20/09	Environmental contractor	Investigation/Remediation	\$6,746.21	\$6,746.21	
616	ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	65907	1/26/09	Arizona	Remediation	\$ 49.00	\$0.00	No Invoice provided - lacks sufficient documentation
617	ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	67072	1/26/09	Arizona	Remediation	\$ 300.00	\$0.00	No Invoice provided - lacks sufficient documentation
618	0094 SUNSET ANALYTICAL LABORATORY	1269	2/2/09	Lab	Investigation/Remediation	\$ 1,600.00	\$1,600.00	
619	0095 ELLIS SYSTEMS INC	1036	2/16/09	Remediation contractor	Remediation	\$ 250.00	\$250.00	

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Item No.	No. Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
620	0096 GM CLEMENT & ASSOCIATES INC	9001AA	2/17/09	Environmental contractor	Investigation/Remediation	\$4,496.40	\$4,496.40	
621	0097 GM CLEMENT & ASSOCIATES INC	9003B	3/15/09	Environmental contractor	Investigation/Remediation	\$2,668.61	\$2,668.61	
622	0098 GM CLEMENT & ASSOCIATES INC	9003A	3/16/09	Environmental contractor	Investigation/Remediation	\$9,853.95	\$9,853.95	
623	0099 ELLIS SYSTEMS INC	1048	3/20/09	Remediation contractor	Remediation	\$ 250.00	\$250.00	
624	0100 SUNSET ANALYTICAL LABORATORY	1338	3/24/09	Lab	Investigation/Remediation	\$ 1,000.00	\$1,000.00	
625	0101 ELLIS SYSTEMS INC	1055	4/7/09	Remediation contractor	Remediation	\$ 250.00	\$250.00	
626	0102 SUNSET ANALYTICAL LABORATORY	1369	4/8/09	Lab	Investigation/Remediation	\$ 250.00	\$250.00	
627	0103 QUARLES & BRADY LLP	1491821	4/14/09	Legal	Investigation/Remediation	\$ 585.00	\$0.00	Not appropriate for cost credit
628	QUARLES & BRADY LLP	1491821	4/14/09	Legal	Investigation/Remediation	(\$ 585.00)	\$0.00	Not appropriate for cost credit
629	0104 GM CLEMENT & ASSOCIATES INC	9004B	4/19/09	Environmental contractor	Investigation/Remediation	\$778.25	\$778.25	
630	0105 GM CLEMENT & ASSOCIATES INC	9004A	4/20/09	Environmental contractor	Investigation/Remediation	\$3,948.23	\$3,948.23	
631	0106 GM CLEMENT & ASSOCIATES INC	9005A	5/13/09	Environmental contractor	Investigation/Remediation	\$4,356.87	\$4,356.87	
632	0107 ELLIS SYSTEMS INC	1070	5/19/09	Remediation contractor	Remediation	\$ 250.00	\$250.00	
633	0108 ELLIS SYSTEMS INC	1076	6/17/09	Remediation contractor	Remediation	\$ 250.00	\$250.00	
634	0109 GM CLEMENT & ASSOCIATES INC	9006A	6/23/09	Environmental contractor	Investigation/Remediation	\$2,305.57	\$2,305.57	
635	0110 ELLIS SYSTEMS INC	1088	6/29/09	Remediation contractor	Remediation	\$ 3,629.59	\$3,629.59	
636	0111 ELLIS SYSTEMS INC	1089	7/7/09	Remediation contractor	Remediation	\$ 250.00	\$250.00	
637	0112 SUNSET ANALYTICAL LABORATORY	1550	7/14/09	Lab	Investigation/Remediation	\$ 525.00	\$525.00	
638	0113 GM CLEMENT & ASSOCIATES INC	9007A	7/15/09	Environmental contractor	Investigation/Remediation	\$2,842.91	\$2,842.91	
639	0114 GM CLEMENT & ASSOCIATES INC	9008A	8/16/09	Environmental contractor	Investigation/Remediation	\$4,016.55	\$4,016.55	
640	0115 ELLIS SYSTEMS INC	1101	8/17/09	Remediation contractor	Remediation	\$ 250.00	\$250.00	
641	0116 GM CLEMENT & ASSOCIATES INC	WVBA309	8/17/09	Environmental contractor	Investigation/Remediation	\$728.97	\$728.97	
642	0117 GM CLEMENT & ASSOCIATES INC	9009A	9/8/09	Environmental contractor	Investigation/Remediation	\$3,763.84	\$3,763.84	
643	0118 COLUMBIA ANALYTICAL SERVICES INC.	0650189	9/30/09	Lab	Investigation/Remediation	\$ 2,023.00	\$2,023.00	
644	0119 ELLIS SYSTEMS INC	1119	10/6/09	Remediation contractor	Remediation	\$ 500.00	\$500.00	
645	0120 GM CLEMENT & ASSOCIATES INC	9010A	10/12/09	Environmental contractor	Investigation/Remediation	\$4,741.31	\$4,741.31	
646	0121 GM CLEMENT & ASSOCIATES INC	9010B	10/13/09	Environmental contractor	Investigation/Remediation	\$2,702.64	\$2,702.64	
647	0122 ELLIS SYSTEMS INC	1126	11/9/09	Remediation contractor	Remediation	\$ 250.00	\$250.00	
648	0123 GM CLEMENT & ASSOCIATES INC	9011A	11/9/09	Environmental contractor	Investigation/Remediation	\$2,614.59	\$2,614.59	
649	0124 GM CLEMENT & ASSOCIATES INC	9011B	11/9/09	Environmental contractor	Investigation/Remediation	\$434.57	\$434.57	
650	0125 MARICOPA COUNTY AIR QUALITY DEPT	020174	11/16/09	Permits	Remediation	\$ 1,550.00	\$1,550.00	
651	0126 GM CLEMENT & ASSOCIATES INC	9012A	12/4/09	Environmental contractor	Investigation/Remediation	\$1,985.32	\$1,985.32	
652	0127 GM CLEMENT & ASSOCIATES INC	9012B	12/4/09	Environmental contractor	Investigation/Remediation	\$684.41	\$684.41	
653	0128 GM CLEMENT & ASSOCIATES INC	1001A	1/7/10	Environmental contractor	Investigation/Remediation	\$1,969.84	\$1,969.84	
654	0129 COLUMBIA ANALYTICAL SERVICES INC.	0652534	1/18/10	Lab	Investigation/Remediation	\$ 510.00	\$510.00	
655	0130 GM CLEMENT & ASSOCIATES INC	1002A	2/8/10	Environmental contractor	Investigation/Remediation	\$3,676.97	\$3,676.97	
656	0131 GM CLEMENT & ASSOCIATES INC	1002B	2/8/10	Environmental contractor	Investigation/Remediation	\$1,917.20	\$1,917.20	
657	0132 GM CLEMENT & ASSOCIATES INC	1003A	3/7/10	Environmental contractor	Investigation/Remediation	\$1,428.16	\$1,428.16	
658	0133 GM CLEMENT & ASSOCIATES INC	1003B	3/7/10	Environmental contractor	Investigation/Remediation	\$306.06	\$306.06	
659	0134 ELLIS SYSTEMS INC	1160	3/15/10	Remediation contractor	Remediation	\$ 250.00	\$250.00	
660	0135 SIEMENS WATER TECHNOLOGIES CORP	3034295	3/30/10	Environmental services	Remediation	\$ 6,256.09	\$6,256.09	
661	0136 STATE OF ARIZONA	73626	3/31/10	AZDEQ Waste Permit Fee	Investigation/Remediation	\$ 25.00	\$25.00	

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Item No.	No.	Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
662		GM CLEMENT & ASSOCIATES INC	1004A	4/8/10	Environmental contractor	Investigation/Remediation	\$5,699.94	\$5,699.94	
663		GM CLEMENT & ASSOCIATES INC	1004B	4/8/10	Environmental contractor	Investigation/Remediation	\$545.18	\$545.18	
664			1170	4/13/10	Remediation contractor	Remediation	\$ 250.00	\$250.00	
665		GM CLEMENT & ASSOCIATES INC	1005A	5/5/10	Environmental contractor	Investigation/Remediation	\$1,773.76	\$1,773.76	
666			1174	5/18/10	Remediation contractor	Remediation	\$ 250.00	\$250.00	
667			2140	6/8/10	Lab	Investigation/Remediation	\$ 525.00	\$525.00	
668		GM CLEMENT & ASSOCIATES INC	1006A	6/8/10	Environmental contractor	Investigation/Remediation	\$1,885.05	\$1,885.05	
669			1185	7/8/10	Remediation contractor	Remediation	\$ 250.00	\$250.00	
670		GM CLEMENT & ASSOCIATES INC	1007A	7/11/10	Environmental contractor	Investigation/Remediation	\$1,318.51	\$1,318.51	
671		GM CLEMENT & ASSOCIATES INC	1008A	8/15/10	Environmental contractor	Investigation/Remediation	\$1,316.62	\$1,316.62	
672		ELLIS SYSTEMS INC	1213	8/23/10	Remediation contractor	Remediation	\$ 250.00	\$250.00	
673		GM CLEMENT & ASSOCIATES INC	1009A	9/8/10	Environmental contractor	Investigation/Remediation	\$3,499.92	\$3,499.92	
674		ELLIS SYSTEMS INC	1209	9/20/10	Remediation contractor	Remediation	\$ 250.00	\$250.00	
675		GM CLEMENT & ASSOCIATES INC	1010B	10/12/10	Environmental contractor	Investigation/Remediation	\$3,109.31	\$3,109.31	
676	0151	GM CLEMENT & ASSOCIATES INC	1010A	10/13/10	Environmental contractor	Investigation/Remediation	\$4,478.26	\$4,478.26	
677	0152	GM CLEMENT & ASSOCIATES INC	WVB1011	11/4/10	Environmental contractor	Investigation/Remediation	\$5,857.79	\$5,857.79	
678	0153	GM CLEMENT & ASSOCIATES INC	1011A	11/8/10	Environmental contractor	Investigation/Remediation	\$1,673.22	\$1,673.22	
679	0154	ELLIS SYSTEMS INC	1227	11/17/10	Remediation contractor	Remediation	\$ 250.00	\$250.00	
680	0155	MARICOPA COUNTY AIR QUALITY DEPT	020174NOV10	11/29/10	Permits	Remediation	\$ 1,550.00	\$1,550.00	
681	0156	GM CLEMENT & ASSOCIATES INC	1012A	12/7/10	Environmental contractor	Investigation/Remediation	\$1,977.47	\$1,977.47	
682	0157	ELLIS SYSTEMS INC	1230	12/21/10	Remediation contractor	Remediation	\$ 250.00	\$250.00	
683	0158	GM CLEMENT & ASSOCIATES INC	1011B	1/6/11	Environmental contractor	Investigation/Remediation	\$651.48	\$651.48	
684	0159	GM CLEMENT & ASSOCIATES INC	1101A	1/6/11	Environmental contractor	Investigation/Remediation	\$3,193.84	\$3,193.84	
685	0160	ELLIS SYSTEMS INC	1234	1/7/11	Remediation contractor	Remediation	\$ 250.00	\$250.00	
686	0161	APS WATER SERVICES CORPORATION	247654287JAN11	1/19/11	Utility	Remediation	\$ 244.01	\$244.01	
687	0162	TRANS WEST ANALYTICAL	237036	1/20/11	Lab	Investigation/Remediation	\$ 1,615.00	\$1,615.00	
688	0163	STATE OF ARIZONA	81525	2/7/11	AZDEQ Waste Permit Fee	Investigation/Remediation	\$ 300.00	\$300.00	
689	0164	ELLIS SYSTEMS INC	1238	2/8/11	Remediation contractor	Remediation	\$ 250.00	\$250.00	
690	0165	GM CLEMENT & ASSOCIATES INC	1102A	2/8/11	Environmental contractor	Investigation/Remediation	\$4,554.36	\$4,554.36	
691	0166	GM CLEMENT & ASSOCIATES INC	1102B	2/8/11	Environmental contractor	Investigation/Remediation	\$1,869.83	\$1,869.83	
692	0167	GM CLEMENT & ASSOCIATES INC	1103A	3/3/11	Environmental contractor	Investigation/Remediation	\$4,986.41	\$4,986.41	
693	0168	GM CLEMENT & ASSOCIATES INC	1103B	3/3/11	Environmental contractor	Investigation/Remediation	\$241.10	\$241.10	
694	0169	ELLIS SYSTEMS INC	1245	3/8/11	Remediation contractor	Remediation	\$ 250.00	\$250.00	
695	0170	TRANS WEST ANALYTICAL	243989	3/28/11	Lab	Investigation/Remediation	\$ 850.00	\$850.00	
696	0171	GM CLEMENT & ASSOCIATES INC	1104A	4/11/11	Environmental contractor	Investigation/Remediation	\$4,807.97	\$4,807.97	
697	0172	ELLIS SYSTEMS INC	1256	4/18/11	Remediation contractor	Remediation	\$ 250.00	\$250.00	
698	0173	CITY OF PHOENIX	400653776	4/25/11	Permits	Investigation/Remediation	\$ 658.10	\$658.10	
699	0174	ELLIS SYSTEMS INC	1264	5/16/11	Remediation contractor	Remediation	\$ 250.00	\$250.00	
700	0175	GM CLEMENT & ASSOCIATES INC	1105A	5/30/11	Environmental contractor	Investigation/Remediation	\$1,483.55	\$1,483.55	
701	0176	GM CLEMENT & ASSOCIATES INC	1106A	6/6/11	Environmental contractor	Investigation/Remediation	\$2,547.27	\$2,547.27	
702	0177	SUNSET ANALYTICAL LABORATORY	2731	6/7/11	Lab	Investigation/Remediation	\$ 525.00	\$525.00	

	Invoice Reference							
Item No.	No. Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
703	0178 ELLIS SYSTEMS INC	1273	6/17/11	Remediation contractor	Remediation	\$ 250.00	\$250.00	
704	0179 GM CLEMENT & ASSOCIATES INC	1107A	7/8/11	Environmental contractor	Investigation/Remediation	\$1,527.68	\$1,527.68	
705	0180 ELLIS SYSTEMS INC	1280	7/18/11	Remediation contractor	Remediation	\$ 250.00	\$250.00	
706	0181 GM CLEMENT & ASSOCIATES INC	1108A	8/8/11	Environmental contractor	Investigation/Remediation	\$1,453.63	\$1,453.63	
707	0182 ELLIS SYSTEMS INC	1285	8/17/11	Remediation contractor	Remediation	\$ 250.00	\$250.00	
708	0183 GM CLEMENT & ASSOCIATES INC	1109A	9/6/11	Environmental contractor	Investigation/Remediation	\$2,507.49	\$2,507.49	
709	0184 ELLIS SYSTEMS INC	1292	9/19/11	Remediation contractor	Remediation	\$ 250.00	\$250.00	
710	0185 TRANS WEST ANALYTICAL	260923	9/22/11	Lab	Investigation/Remediation	\$ 1,615.00	\$1,615.00	
711	0186 ELLIS SYSTEMS INC	1296	10/6/11	Remediation contractor	Remediation	\$ 250.00	\$250.00	
712	0187 GM CLEMENT & ASSOCIATES INC	1110A	10/8/11	Environmental contractor	Investigation/Remediation	\$3,884.48	\$3,884.48	
713	0188 GM CLEMENT & ASSOCIATES INC	1110B	10/9/11	Environmental contractor	Investigation/Remediation	\$2,538.36	\$2,538.36	
714	0189 GM CLEMENT & ASSOCIATES INC	1111A	11/4/11	Environmental contractor	Investigation/Remediation	\$1,410.06	\$1,410.06	
715	0190 MARICOPA COUNTY AIR QUALITY DEPT	020174NOV11	11/15/11	Permits	Remediation	\$ 1,580.00	\$1,580.00	
716	0191 GM CLEMENT & ASSOCIATES INC	1112A	12/7/11	Environmental contractor	Investigation/Remediation	\$946.87	\$946.87	
717	0192 GM CLEMENT & ASSOCIATES INC	1201A	1/10/12	Environmental contractor	Investigation/Remediation	\$4,103.22	\$4,103.22	
718	0193 GEOSYNTEC CONSULTANTS	2112016	1/11/12	Environmental contractor	Investigation/Remediation	\$ 993.44	\$0.00	Not appropriate for cost credit
719	0194 ELLIS SYSTEMS INC	1314	1/13/12	Remediation contractor	Remediation	\$ 750.00	\$750.00	
720	0195 XENCO LABORATORIES	268056	1/17/12	Lab	Investigation/Remediation	\$ 375.00	\$375.00	
721	0196 ELLIS SYSTEMS INC	1319	2/6/12	Remediation contractor	Remediation	\$ 250.00	\$250.00	
722	0197 GM CLEMENT & ASSOCIATES INC	1202B	2/6/12	Environmental contractor	Investigation/Remediation	\$855.33	\$855.33	
723	0198 GM CLEMENT & ASSOCIATES INC	1202A	2/7/12	Environmental contractor	Investigation/Remediation	\$2,675.82	\$2,675.82	
724	0199 GM CLEMENT & ASSOCIATES INC	1203A	3/9/12	Environmental contractor	Investigation/Remediation	\$2,044.85	\$2,044.85	
725	0200 ELLIS SYSTEMS INC	1329	3/12/12	Remediation contractor	Remediation	\$ 250.00	\$250.00	
726	0201 XENCO LABORATORIES	273191	4/9/12	Lab	Investigation/Remediation	\$ 765.00	\$765.00	
727	0202 GM CLEMENT & ASSOCIATES INC	1205A	5/9/12	Environmental contractor	Investigation/Remediation	\$1,407.30	\$1,407.30	
728	0203 GEOSYNTEC CONSULTANTS	2112387	5/10/12	Environmental contractor	Investigation/Remediation	\$ 903.31	\$0.00	Not appropriate for cost credit
729	0204 MARICOPA COUNTY AIR QUALITY DEPT	040015MAY12	5/22/12	Permits	Remediation	\$ 1,610.00	\$1,610.00	
730	0205 INNOVATIVE ENGINEERING SOLUTIONS, INC.	10221	5/31/12	Environmental services	Investigation/Remediation	\$ 473.28	\$473.28	
731	0206 GM CLEMENT & ASSOCIATES INC	1206A	6/5/12	Environmental contractor	Investigation/Remediation	\$3,783.89	\$3,783.89	
732	0207 CITY OF PHOENIX	400691422	6/11/12	Permits	Investigation/Remediation	\$ 658.10	\$658.10	
733	0208 TRANS WEST ANALYTICAL	277156	6/21/12	Lab	Investigation/Remediation	\$ 375.00	\$375.00	
734	0209 GM CLEMENT & ASSOCIATES INC	1207A	7/3/12	Environmental contractor	Investigation/Remediation	\$2,887.63	\$2,887.63	
735	0210 ELLIS SYSTEMS INC	1347	7/6/12	Remediation contractor	Remediation	\$ 250.00	\$250.00	
736	0211 GM CLEMENT & ASSOCIATES INC	1208A	8/9/12	Environmental contractor	Investigation/Remediation	\$1,496.86	\$1,496.86	
737	0212 TRANS WEST ANALYTICAL	280224	8/15/12	Lab	Investigation/Remediation	\$ 250.00	\$250.00	
738	0213 GM CLEMENT & ASSOCIATES INC	1209A	9/1/12	Environmental contractor	Investigation/Remediation	\$4,367.44	\$4,367.44	
739	0214 TRANS WEST ANALYTICAL	282255	9/26/12	Lab	Investigation/Remediation	\$ 1,785.00	\$1,785.00	
740	0215 TRANS WEST ANALYTICAL	282259	9/26/12	Lab	Investigation/Remediation	\$ 125.00	\$125.00	
741	0216 BASCOR ENVIRONMENTAL, INC.	1209280	9/28/12	Environmental Consultant	Investigation/Remediation	\$ 1,378.00	\$1,378.00	
742	0217 GM CLEMENT & ASSOCIATES INC	1210A	10/8/12	Environmental contractor	Investigation/Remediation	\$5,622.37	\$5,622.37	
743	0218 GM CLEMENT & ASSOCIATES INC	1210B	10/9/12	Environmental contractor	Investigation/Remediation	\$2,891.83	\$2,891.83	
744	0219 ELLIS SYSTEMS INC	1367	10/15/12	Remediation contractor	Remediation	\$ 250.00	\$250.00	

	Invoice Reference							
Item No.	No. Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
745	0220 BASCOR ENVIRONMENTAL, INC.	1210280	11/1/12	Environmental Consultant	Investigation/Remediation	\$ 436.94	\$436.94	
746	0221 GM CLEMENT & ASSOCIATES INC	1211A	11/12/12	Environmental contractor	Investigation/Remediation	\$4,514.44	\$4,514.44	
747	0222 ELLIS SYSTEMS INC	1375	11/20/12	Remediation contractor	Remediation	\$ 250.00	\$250.00	
748	0223 GM CLEMENT & ASSOCIATES INC	1212A	12/9/12	Environmental contractor	Investigation/Remediation	\$2,995.90	\$2,995.90	
749	0224 GM CLEMENT & ASSOCIATES INC	1212B	12/10/12	Environmental contractor	Investigation/Remediation	\$597.21	\$597.21	
750	0225 ELLIS SYSTEMS INC	1385	12/17/12	Remediation contractor	Remediation	\$ 250.00	\$250.00	
751	0226 INNOVATIVE ENGINEERING SOLUTIONS, INC.	10644	12/31/12	Environmental services	Investigation/Remediation	\$ 1,290.30	\$1,290.30	
752	0227 GM CLEMENT & ASSOCIATES INC	1301A	1/5/13	Environmental contractor	Investigation/Remediation	\$4,664.94	\$4,664.94	
753	GM CLEMENT & ASSOCIATES INC	1301AA	1/5/13	Environmental contractor	Investigation/Remediation	\$4,719.99	\$0.00	No Invoice provided - lacks sufficient documentation
754	GM CLEMENT & ASSOCIATES INC	1301ADM	1/5/13	Environmental contractor	Investigation/Remediation	(\$4,534.79)	\$0.00	No Invoice provided - lacks sufficient documentation
755	0228 CITY OF PHOENIX	400711118	2/1/13	Permits	Investigation/Remediation	\$ 658.10	\$658.10	
756	0229 GM CLEMENT & ASSOCIATES INC	1302A	2/10/13	Environmental contractor	Investigation/Remediation	\$2,813.11	\$2,813.11	
757	0230 GM CLEMENT & ASSOCIATES INC	1302B	2/10/13	Environmental contractor	Investigation/Remediation	\$1,633.68	\$1,633.68	
758	0231 GEOSYNTEC CONSULTANTS	2113168	3/7/13	Environmental contractor	Investigation/Remediation	\$ 669.50	\$0.00	Not appropriate for cost credit
759	0232 GM CLEMENT & ASSOCIATES INC	1303A	3/10/13	Environmental contractor	Investigation/Remediation	\$3,564.32	\$3,564.32	
760	0233 TRANS WEST ANALYTICAL	292087	3/20/13	Lab	Investigation/Remediation	\$ 680.00	\$680.00	
761	0234 GM CLEMENT & ASSOCIATES INC	1304A	4/11/13	Environmental contractor	Investigation/Remediation	\$3,434.05	\$3,434.05	
762	0235 GM CLEMENT & ASSOCIATES INC	1305A	5/14/13	Environmental contractor	Investigation/Remediation	\$874.58	\$874.58	
763	0236 GM CLEMENT & ASSOCIATES INC	1306A	6/12/13	Environmental contractor	Investigation/Remediation	\$1,090.36	\$1,090.36	
764	0237 ELLIS SYSTEMS INC	1393	6/26/13	Remediation contractor	Remediation	\$ 750.00	\$750.00	
765	0238 TRANS WEST ANALYTICAL	298876	7/10/13	Lab	Investigation/Remediation	\$ 140.00	\$140.00	
766	0239 GM CLEMENT & ASSOCIATES INC	1307A	7/17/13	Environmental contractor	Investigation/Remediation	\$1,268.23	\$1,268.23	
767	0240 GM CLEMENT & ASSOCIATES INC	1308A	8/11/13	Environmental contractor	Investigation/Remediation	\$1,823.45	\$1,823.45	
768	0241 GM CLEMENT & ASSOCIATES INC	1309A	9/4/13	Environmental contractor	Investigation/Remediation	\$2,346.61	\$2,346.61	
769	0242 TRANS WEST ANALYTICAL	302278	9/5/13	Lab	Investigation/Remediation	\$ 140.00	\$140.00	
770	0243 TRANS WEST ANALYTICAL	303905	10/2/13	Lab	Investigation/Remediation	\$ 850.00	\$850.00	
771	0244 GM CLEMENT & ASSOCIATES INC	1310A	10/11/13	Environmental contractor	Investigation/Remediation	\$4,855.10	\$4,855.10	
772	0245 ELLIS SYSTEMS INC	1406	10/16/13	Remediation contractor	Remediation	\$ 750.00	\$750.00	
773	0246 GM CLEMENT & ASSOCIATES INC	1311A	11/5/13	Environmental contractor	Investigation/Remediation	\$2,535.72	\$2,535.72	
774	0247 GM CLEMENT & ASSOCIATES INC	1312A	12/6/13	Environmental contractor	Investigation/Remediation	\$2,336.79	\$2,336.79	
775	0248 ARCADIS US INC	0566764	1/3/14	Environmental contractor	Investigation	\$2,061.85	\$2,061.85	
776	GM CLEMENT & ASSOCIATES INC	1401A	1/12/14	Environmental contractor	Investigation	\$6,395.92	\$0.00	No Invoice provided - lacks sufficient documentation
777	0249 GM CLEMENT & ASSOCIATES INC	1401A	1/12/14	Environmental contractor	Investigation	\$6,395.92	\$6,395.92	
778	GM CLEMENT & ASSOCIATES INC	1401ACR	1/12/14	Environmental contractor	Investigation	(\$6,395.92)	\$0.00	No Invoice provided - lacks sufficient documentation
779	0250 CITY OF PHOENIX	400741233	1/23/14	Permits	Investigation	\$ 658.10	\$658.10	
780	0251 GM CLEMENT & ASSOCIATES INC	1402A	2/19/14	Environmental contractor	Investigation	\$2,897.85	\$2,897.85	
781	0252 GM CLEMENT & ASSOCIATES INC	1403A	3/10/14	Environmental contractor	Investigation	\$288.27	\$288.27	
782	0253 VERIS	3133	6/4/14	Legal	Investigation	\$ 630.50	\$0.00	Not appropriate for cost credit
783	0254 ARCADIS US INC	0600852	6/20/14	Environmental contractor	Investigation	\$57,606.67	\$57,606.67	
784	0255 ARCADIS US INC	0601183	6/26/14	Environmental contractor	Investigation	\$11,157.29	\$11,157.29	
785	0256 ARCADIS US INC	0607139	7/29/14	Environmental contractor	Investigation	\$8,823.50	\$8,823.50	
786	0257 VERIS	3431	8/6/14	Legal	Investigation	\$ 315.00	\$0.00	Not appropriate for cost credit

	Invoice							
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787	0258 ARCADIS US INC	0614152	8/29/14	Environmental contractor	Investigation	\$7,408.73	\$7,408.73	
788	0259 VERIS	3563	9/8/14	Legal	Investigation	\$ 434.00	. ,	Not appropriate for cost credit
789	0260 ARCADIS US INC	0620020	9/30/14	Environmental contractor	Investigation	\$25,663.92	\$25,663.92	
790	0261 ARCADIS US INC	0625319	10/23/14	Environmental contractor	Investigation	\$18,730.49	\$18,730.49	
791	0262 ARCADIS US INC	0631424	12/2/14	Environmental contractor	Investigation	\$6,913.04	\$6,913.04	
792	0263 ARCADIS US INC	638788	1/12/15	Environmental contractor	Investigation	\$9,478.32	\$9,478.32	
793	0264 CITY OF PHOENIX	400772010	1/12/15	Permits	Investigation	\$ 658.10	\$658.10	
794	0265 ARCADIS US INC	0642034	1/30/15	Environmental contractor	Investigation	\$1,239.58	\$1,239.58	
795	0266 ARCADIS US INC	0702816	2/24/15	Environmental contractor	Investigation	\$520.27	\$520.27	
796	0267 ARCADIS US INC	0709020	3/31/15	Environmental contractor	Investigation	\$7,230.62	\$7,230.62	
797	0268 ARCADIS US INC	0714660	4/29/15	Environmental contractor	Investigation	\$6,919.44	\$6,919.44	
798	0269 ARCADIS US INC	0719928	5/29/15	Environmental contractor	Investigation	\$10,294.52	\$10,294.52	
799	0270 ARCADIS US INC	0725812	6/25/15	Environmental contractor	Investigation	\$8,635.40	\$8,635.40	
800	0271 ARCADIS US INC	0731524	7/23/15	Environmental contractor	Investigation	\$6,586.98	\$6,586.98	
801	0272 ARCADIS US INC	0736664	8/28/15	Environmental contractor	Investigation	\$15,242.71	\$15,242.71	
802	0273 ARCADIS US INC	0742433	9/30/15	Environmental contractor	Investigation	\$21,617.38	\$21,617.38	
803	0274 SGS ACCUTEST	CX35508	10/7/15	Lab	Investigation	\$ 450.00	\$450.00	
804	0275 ARCADIS US INC	0748025	10/29/15	Environmental contractor	Investigation	\$17,181.86	\$17,181.86	
805	0276 ARCADIS US INC	0753816	12/2/15	Environmental contractor	Investigation	\$31,360.39	\$31,360.39	
806	0277 ARCADIS US INC	0759477	12/29/15	Environmental contractor	Investigation	\$6,123.93	\$6,123.93	
807	0278 ARCADIS US INC	0763910	1/29/16	Environmental contractor	Investigation	\$6,181.42	\$6,181.42	
808	0279 CITY OF PHOENIX	400803482	2/3/16	Permits	Investigation	\$ 658.10	\$658.10	
809	0280 ARCADIS US INC	0769263	3/2/16	Environmental contractor	Investigation	\$5,491.23	\$5,491.23	
810	0281 ARCADIS US INC	0775068	4/1/16	Environmental contractor	Investigation	\$20,774.30	\$20,774.30	
811	0282 ARCADIS US INC	0780225	4/29/16	Environmental contractor	Investigation	\$22,622.49	\$22,622.49	
812	0283 ARCADIS US INC	0785075	5/25/16	Environmental contractor	Investigation	\$9,176.33	\$9,176.33	
813	0284 ARCADIS US INC	0790739	7/1/16	Environmental contractor	Investigation	\$14,244.19	\$14,244.19	
814	0285 ARCADIS US INC	0795956	7/26/16	Environmental contractor	Investigation	\$2,568.31	\$2,568.31	
815	0286 ARCADIS US INC	0800636	8/23/16	Environmental contractor	Investigation	\$4,778.41	\$4,778.41	
816	0287 ARCADIS US INC	0806378	9/28/16	Environmental contractor	Investigation	\$8,605.15	\$8,605.15	
817	0288 SGS ACCUTEST	TX111621	10/11/16	Lab	Investigation	\$ 360.00	\$360.00	
818	0289 ARCADIS US INC	0811538	10/28/16	Environmental contractor	Investigation	\$13,229.81	\$13,229.81	
819	0290 ARCADIS US INC	0817743	11/30/16	Environmental contractor	Investigation	\$14,709.03	\$14,709.03	
820	0291 ARCADIS US INC	0822885	1/5/17	Environmental contractor	Investigation	\$3,331.76	\$3,331.76	
821	0292 ARCADIS US INC	0826400	1/24/17	Environmental contractor	Investigation	\$2,724.56	\$2,724.56	
822	0293 CITY OF PHOENIX	400834978	2/7/17	Permits	Investigation	\$ 658.10	\$658.10	
823	0294 ARCADIS US INC	0831453	2/27/17	Environmental contractor	Investigation	\$2,310.28	\$2,310.28	
824	0295 ARCADIS US INC	0836680	3/29/17	Environmental contractor	Investigation	\$8,250.54	\$8,250.54	
825	0296 ARCADIS US INC	0841364	5/2/17	Environmental contractor	Investigation	\$8,999.03	\$8,999.03	
826	0297 ARCADIS US INC	0846394	5/25/17	Environmental contractor	Investigation	\$7,900.60	\$7,900.60	
827	0298 ENFOS, INC.	200484	6/13/17	Document/project management	Investigation	\$ 760.61	\$760.61	

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828		ARCADIS US INC	0852051	6/22/17	Environmental contractor	Investigation	\$7,291.20	\$7,291.20	10105
829		ARCADIS US INC	0857025	7/27/17	Environmental contractor	Investigation	\$3,515.70	\$3,515.70	
830		ARCADIS US INC	0861257	8/29/17	Environmental contractor	Investigation	\$5,624.88	\$5,624.88	
831		ARCADIS US INC	0867330	9/29/17	Environmental contractor	Investigation	\$6,794.04	\$6,794.04	
832		SGS ACCUTEST	52140126748	10/31/17	Lab	Investigation	\$ 360.00	\$360.00	
833	0304	ARCADIS US INC	0873160	11/3/17	Environmental contractor	Investigation	\$12,257.72	\$12,257.72	
834	0305	SGS ACCUTEST	52140128022	11/15/17	Lab	Investigation	\$ 90.00	\$90.00	
835	0306	SGS ACCUTEST	52140128051	11/15/17	Lab	Investigation	\$ 67.50	\$67.50	
836	0307	ARCADIS US INC	0878152	11/30/17	Environmental contractor	Investigation	\$20,887.04	\$20,887.04	
837	0308	City of Phoenix	400862613A	12/1/17	Permits	Investigation	\$ 658.10	\$658.10	
838	0309	SGS	52140128839A	1/5/18	Lab	Investigation	\$ 45.00	\$45.00	
839	0310	ARCADIS US INC	884441	1/10/18	Environmental contractor	Investigation	\$3,839.49	\$3,839.49	
842	0313	ARCADIS US INC	889106	1/30/18	Environmental contractor	Investigation	\$7,420.18	\$7,420.18	
844	0315	ENFOS	FEB201853	2/13/18	Document/project management	Investigation	\$ 117.73	\$117.73	
845	0316	ARCADIS US INC	892451	2/15/18	Environmental contractor	Investigation	\$4,009.18	\$4,009.18	
846	0317	ENFOS	MAR201821	3/16/18	Document/project management	Investigation	\$ 760.61	\$760.61	
847	0318	ARCADIS US INC	897939	3/28/18	Environmental contractor	Investigation	\$9,094.96	\$9,094.96	
850	0321	ARCADIS US INC	904238	4/26/18	Environmental contractor	Investigation	\$7,278.50	\$7,278.50	
853	0324	ARCADIS US INC	909094	5/23/18	Environmental contractor	Investigation	\$9,707.06	\$9,707.06	
856	0327	ARCADIS US INC	914567	6/25/18	Environmental contractor	Investigation	\$6,933.60	\$6,933.60	
859	0330	ARCADIS US INC	919517	7/23/18	Environmental contractor	Investigation	\$7,793.39	\$7,793.39	
862	0333	ARCADIS US INC	925734	8/27/18	Environmental contractor	Investigation	\$14,931.53	\$14,931.53	
866	0337	ARCADIS US INC	930306	9/24/18	Environmental contractor	Investigation	\$16,654.12	\$16,654.12	
868	0339	SGS	40141846	10/12/18	Lab	Investigation	\$ 450.00	\$450.00	
869	0340	ARCADIS US INC	935277	10/24/18	Environmental contractor	Investigation	\$12,404.27	\$12,404.27	
872	0343	City of Phoenix	400888706	12/1/18	Permits	Investigation	\$ 658.10	\$658.10	
873	0344	ARCADIS US INC	943686	12/7/18	Environmental contractor	Investigation	\$18,832.77	\$18,832.77	
876	0347	ARCADIS US INC	948388	1/3/19	Environmental contractor	Investigation	\$3,349.72	\$3,349.72	
879	0350	ARCADIS US INC	953352	1/29/19	Environmental contractor	Investigation	\$9,379.28	\$9,379.28	
881	0352	ARCADIS US INC	958019	3/1/19	Environmental contractor	Investigation	\$12,632.37	\$12,632.37	
884	0355	ENFOS	MAR201960	3/18/19	Document/project management	Investigation	\$ 742.50	\$ 742.50	
885	0356	ARCADIS US INC	963213	3/26/19	Environmental contractor	Investigation	\$22,135.07	\$22,135.07	
888	0359	ARCADIS US INC	969391	4/26/19	Environmental contractor	Investigation	\$17,825.98	\$17,825.98	
891	0362	ARCADIS US INC	974814	5/29/19	Environmental contractor	Investigation	\$20,382.82	\$20,382.82	
893	0364	ARCADIS US INC	980941	6/20/19	Environmental contractor	Investigation	\$14,889.77	\$14,889.77	
896		ARCADIS US INC	34119995	9/6/19	Environmental contractor	Investigation	\$31,672.12	\$31,672.12	
898	0369	SGS	52140156214	9/26/19	Lab	Investigation	\$ 405.00	\$405.00	
899		Veris Law Group	11524	9/30/19	Legal	Investigation	\$ 1,942.54		Not appropriate for cost credit
900	0371	ARCADIS US INC	34125532	10/11/19	Environmental contractor	Investigation	\$24,233.75	\$24,233.75	
903	0374	ARCADIS US INC	34126392	10/17/19	Environmental contractor	Investigation	\$30,077.78	\$30,077.78	
906		SGS	52140157505	10/31/19	Lab	Investigation	\$ 267.75	\$267.75	
907	0378	SGS	52140157503	10/31/19	Lab	Investigation	\$ 2,100.00	\$2,100.00	

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908	0379	Veris Law Group	11680	10/31/19	Legal	Investigation	\$ 135.24		Not appropriate for cost credit
909		ARCADIS US INC	34128589	10/31/19	Environmental contractor	Investigation	\$40,260.42	\$40,260.42	
913	0384	SGS	52140158038	11/13/19	Lab	Investigation	\$ 297.00	\$297.00	
914	0385	SGS	52140158164	11/19/19	Lab	Investigation	\$ 450.00	\$450.00	
915	0386	SGS	52140158053	11/20/19	Lab	Investigation	\$ 1,350.00	\$1,350.00	
916		City of Phoenix	400918069	12/1/19	Permits	Investigation	\$ 658.10	\$658.10	
917	0388	ARCADIS US INC	34134372	12/6/19	Environmental contractor	Investigation	\$188,182.66	\$188,182.66	
920	0391	Veris Law Group	11908	12/31/19	Legal	Investigation	\$ 1,221.00	\$0.00	Not appropriate for cost credit
921	0392	SGS	52140161124	1/31/20	Lab	Investigation	\$ 675.00	\$675.00	
922	0393	ARCADIS US INC	34143669	1/31/20	Environmental contractor	Investigation	\$27,413.05	\$27,413.05	
925	0396	ARCADIS US INC	34151209	3/16/20	Environmental contractor	Investigation	\$10,369.89	\$10,369.89	
928	0399	ARCADIS US INC	34153034	3/26/20	Environmental contractor	Investigation	\$13,202.07	\$13,202.07	
930	0401	ARCADIS US INC	34157052	4/15/20	Environmental contractor	Investigation	\$17,145.53	\$17,145.53	
933	0404	ENFOS	MAY202062	5/11/20	Document/project management	Investigation	\$ 839.15	\$839.15	
934	0405	ARCADIS US INC	34164332	5/27/20	Environmental contractor	Investigation	\$18,750.00	\$18,750.00	
937	0408	Veris Law Group	12550	6/16/20	Legal	Investigation	\$ 172.32	\$0.00	Not appropriate for cost credit
938	0409	ARCADIS US INC	34169404	6/18/20	Environmental contractor	Investigation	\$9,254.93	\$9,254.93	
941	0412	ARCADIS US INC	34175254	7/16/20	Environmental contractor	Investigation	\$6,120.51	\$6,120.51	
944	0415	ARCADIS US INC	34181879	8/20/20	Environmental contractor	Investigation	\$4,070.38	\$4,070.38	
947	0418	ARCADIS US INC	34188955	9/24/20	Environmental contractor	Investigation	\$12,937.42	\$12,937.42	
950	0421	SGS	52140169256	9/29/20	Lab	Investigation	\$ 720.00	\$720.00	
951	0422	ARCADIS US INC	34194865	10/26/20	Environmental contractor	Investigation	\$14,764.66	\$14,764.66	
954	0425	ARCADIS US INC	34201526	11/30/20	Environmental contractor	Investigation	\$16,898.63	\$16,898.63	
957		City of Phoenix	400936876	12/1/20	Permits	Investigation	\$658.10	\$658.10	
958		Arcadis US Inc	34212619	1/27/21	Environmental contractor	Investigation	\$13,414.24	\$13,414.24	
959		Veris Law Group	13401	2/19/21	Legal	Investigation	\$2,172.50	\$0.00	Not appropriate for cost credit
960		Arcadis US Inc	34217836	2/25/21	Environmental contractor	Investigation	\$22,844.25	\$22,844.25	
961		Arcadis US Inc	34222585	3/19/21	Environmental contractor	Investigation	\$16,773.83	\$16,773.83	
962		Veris Law Group	13571	3/31/21	Legal	Investigation	\$2,172.50	\$0.00	Not appropriate for cost credit
963		Veris Law Group	13639	4/11/21	Legal	Investigation	\$13,469.50	\$0.00	Not appropriate for cost credit
964		Arcadis US Inc	34228807	4/26/21	Environmental contractor	Investigation	\$14,205.42	\$14,205.42	
965		ENFOS*	MAY202162	5/7/21	Document/project management	Investigation	\$870.24	\$870.24	
966		Veris Law Group	13778	5/19/21	Legal	Investigation	\$237.00	\$0.00	Not appropriate for cost credit
967		Arcadis US Inc	34234055	5/21/21	Environmental contractor	Investigation	\$5,552.08	\$5,552.08	
968		Arcadis US Inc	34239531	6/21/21	Environmental contractor	Investigation	\$2,908.44	\$2,908.44	
969		Veris Law Group	13995	7/13/21	Legal	Investigation	\$79.00	\$0.00	Not appropriate for cost credit
970		Arcadis US Inc	34245693	7/27/21	Environmental contractor	Investigation	\$5,492.35	\$5,492.35	
971		Arcadis US Inc	34250898	8/24/21	Environmental contractor	Investigation	\$3,221.72	\$3,221.72	
972		Arcadis US Inc	34255049	9/15/21	Environmental contractor	Investigation	\$4,383.05	\$4,383.05	
973		Arcadis US Inc	34261637	10/19/21	Environmental contractor	Investigation	\$9,562.38	\$9,562.38	
974		SGS	52140181909	10/22/21	Lab	Investigation	\$630.00	\$630.00	
975		Arcadis US Inc	34268173	11/24/21	Environmental contractor	Investigation	\$10,458.05	\$10,458.05	

Appendix D: Univar Solutions Historical Cost Credit for West Central Phoenix - East Grand Avenue WQARF Site

ltem No.	Invoice Reference No.	Vendor	Invoice ID	Invoice Date	Contractor Description	Task	Invoice Total	Approved Costs	Notes
976		Arcadis US Inc	34278129	1/21/22	Environmental contractor	Investigation/Remediation	\$9,506,92	\$9.506.92	Noted
977		Arcadis US Inc	34283167	2/18/22	Environmental contractor	Investigation/Remediation	\$11,229.46	\$11,229.46	
978		Arcadis US Inc	34288707	3/22/22	Environmental contractor	Investigation/Remediation	\$11.895.90	\$11,895.90	
979		Arcadis US Inc	34294334	4/22/22	Environmental contractor	Investigation/Remediation	\$80.181.08	\$80,181.08	
980		Arcadis US Inc	34299039	5/18/22	Environmental contractor	Investigation/Remediation	\$3,159.90	\$3,159,90	
981		Arcadis US Inc	34304456	6/16/22	Environmental contractor	Investigation/Remediation	\$2,465.73	\$2,465.73	
982		Arcadis US Inc	34311092	7/27/22	Environmental contractor	Investigation/Remediation	\$5.691.16	\$5.691.16	
983		Arcadis US Inc	34316497	8/25/22	Environmental contractor	Investigation	\$5,329.20	\$5,329.20	
984		Arcadis US Inc	34321339	9/22/22	Environmental contractor	Investigation	\$4,659.00	\$4,659.00	
985		Arcadis US Inc	34328458	10/31/22	Environmental contractor	Investigation	\$7,197.13	\$7,197.13	
986		Arcadis US Inc	34333977	11/29/22	Environmental contractor	Investigation	\$8,091.20	\$8,091.20	
987		Arcadis US Inc	34331306	12/9/22	Environmental contractor	Credit to invoice #34143669 dated Jan 31, 2020 for duplicate subcontractor charge submitted in previous package.	(\$3.881.64)	(\$3.881.64)	
988		Arcadis US Inc	34344202	1/20/23	Environmental contractor	Investigation	\$1.510.70	\$1.510.70	
989		Arcadis US Inc	34349392	2/21/23	Environmental contractor	Investigation	\$2,025.25	\$2,025.25	
990		Arcadis US Inc	34355364	3/23/23	Environmental contractor	Investigation	\$1,684.28	\$1,684.28	
991		Arcadis US Inc	34361046	4/25/23	Environmental contractor	Investigation	\$1,159.00	\$1,159.00	
992		Arcadis US Inc	34366526	5/23/23	Environmental contractor	Investigation	\$828.21	\$828.21	
993		Arcadis US Inc	34372128	6/20/23	Environmental contractor	Investigation	\$772.30	\$772.30	
994		Arcadis US Inc	34377362	7/18/23	Environmental contractor	Investigation	\$4.547.07	\$4.547.07	
995		Arcadis US Inc	34384321	8/22/23	Environmental contractor	Investigation	\$4.902.38	\$4,902.38	
996		Arcadis US Inc	34387882	9/13/23	Environmental contractor	Investigation	\$10,818.66	\$10,818.66	
997		Arcadis US Inc	34396004	10/20/23	Environmental contractor	Investigation	\$6,960.64	\$6,960.64	
998		Arcadis US Inc	34401001	11/15/23	Environmental contractor	Investigation	\$9,642.05	\$9,642.05	
999		SGS	5217093008	9/20/23	Lab	Investigation	\$585.00	\$585.00	
		•				TOTAL	\$2,917,736.81	\$1,921,034.12	

APPENDIX E

DETAILED FUTURE COST SUMMARY

Appendix E: Detailed Future Cost Summary

ltem	Description	Unit		Unit Cost	Quantity		Total
1	Semi-Annual Well Monitoring & Sampling (VOCs and MNA)	Wells	\$	2,000.00	20	\$	40,000.0
2	Semi-Annual Reporting	Each	\$	15,000.00	2	\$	30,000.0
3	Remedial Work Plan	Each	\$	30,000.00	1	\$	30,000.0
4	Abandonment & Replacement of WCP-201*	Lump	\$	100,000.00	1	\$	100,000.0
5	Project Management	Percent		10%	1	\$	20,000.0
<u> </u>							
ubtotal	(Cost per year)					\$	220,000.0
ubtotal	(Cost per year)	Unit		Unit Cost	Quantity	\$	220,000.00 Total
ubtotal (Ionitore	(Cost per year) Ind Natural Attenuation (Year 2)	Unit Wells	\$	<i>Unit Cost</i> 2,000.00	Quantity 20	\$ \$	
ubtotal (Ionitore	(Cost per year) Id Natural Attenuation (Year 2) Description					\$ \$ \$	Total
ubtotal (Ionitore	(Cost per year) d Natural Attenuation (Year 2) Description Semi-Annual Well Monitoring & Sampling (VOCs and MNA)	Wells	\$	2,000.00	20	\$ \$ \$	Total 40,000.0
ubtotal (/onitore <i>Item</i> 1 2	(Cost per year) Ind Natural Attenuation (Year 2) Description Semi-Annual Well Monitoring & Sampling (VOCs and MNA) Semi-Annual Reporting	Wells Each	\$ \$	2,000.00 15,000.00	20	\$ \$ \$ \$	Total 40,000.0 30,000.0

Monitored Natural Attenuation (Year 1)

Monitored Natural Attenuation (Year 3)

ltem	Description	Unit	Unit Cost	Quantity	Total
1	Annual Well Monitoring & Sampling (VOCs)	Wells	\$ 1,500.00	10	\$ 15,000.00
2	Annual Reporting	Each	\$ 15,000.00	1	\$ 15,000.00
3	Project Management	Percent	10%	1	\$ 3,000.00
Subtotal	(Cost per year)				\$ 33,000.00

Monitored Natural Attenuation (Years 4, 6)

ltem	Description	Unit	Unit Cost	Quantity	Total
1	Annual Well Monitoring & Sampling (VOCs)	Wells	\$ 1,500.00	10	\$ 15,000.00
2	Annual Reporting	Each	\$ 15,000.00	1	\$ 15,000.00
3	Periodic Site Review	Each	\$ 10,000.00	1	\$ 10,000.00
4	Project Management	Percent	10%	1	\$ 4,000.00
Subtotal	(Cost per year)				\$ 44,000.00

Monitored Natural Attenuation (Year 5)

ltem	Description	Unit		Unit Cost	Quantity	Total
1	Annual Well Monitoring & Sampling (VOCs and MNA)	Wells	\$	2,000.00	10	\$ 20,000.00
2	Annual Reporting	Each	\$	15,000.00	1	\$ 15,000.00
3	Project Management	Percent		10%	1	\$ 3,500.00
Subtotal (Cost per year)						\$ 38,500.00

Monitored Natural Attenuation (Year 7)

Item	Description	Unit		Unit Cost	Quantity	Total
1	Semi-Annual Well Monitoring & Sampling (VOCs)	Wells	\$	1,500.00	20	\$ 30,000.00
2	Semi-Annual Report	Each	\$	15,000.00	2	\$ 30,000.00
3	Project Management	Percent		10%	1	\$ 6,000.00
Subtotal	Subtotal (Cost per year)					\$ 66,000.00

Appendix E: Detailed Future Cost Summary

Monitore	d Natural Attenuation (Year 8)						
ltem	Description	Unit		Unit Cost	Quantity		Total
1	Semi-Annual Well Monitoring & Sampling (VOCs)	Wells	\$	1,500.00	20	\$	30,000.00
2	Semi-Annual Report	Each	\$	15,000.00	2	\$	30,000.00
3	Closure Report	Each	\$	30,000.00	1	\$	30,000.00
4	Project Management	Percent		10%	1	\$	9,000.00
Subtotal ((Cost per year)					\$	99,000.00
Monitore	d Natural Attenuation (Year 9)						
Item	Description	Unit		Unit Cost	Quantity		Total
1	Well Abandonment of 39 Wells & Reporting**	Lump	\$	233,000.00	1	\$	233,000.00
2	Project Management	Percent		10%	1	\$	23,300.00
Subtotal ((Cost per year)					\$	256,300.00
Inflation	(Years 1 to 9)						
ltem	Description	Unit		Unit Cost	Quantity		Total
1	Inflation (3%)	-	\$	124,508.00	1	\$ \$	124,508.00
Remedy S						\$	1,013,308.00
	d Natural Attenuation (four additional years)						
Item	Description	Unit		Unit Cost	Quantity		Total
1	Annual Well Monitoring & Sampling (VOCs)	Wells	\$	1,500.00	40	\$	60,000.00
2	Annual Reporting	Each	\$	15,000.00	40	\$	60,000.00
3	Periodic Site Review	Each	\$	10,000.00	2	\$	20,000.00
4	Project Management	Percent	Ŷ	10,000.00	1	\$	14,000.00
-	(Cost per year)					\$	154,000.00
Inflation (Contingency)						
Item	Description	Unit		Unit Cost	Quantity		Total
1	Inflation (3%)	-	\$	55,715.00	1	\$	55,715.00
Subtotal						\$	55,715.00
Continger	ncy Subtotal					\$	209,715.00
Remed	dy Total					\$	1,223,023.00

Notes:

*Drilling costs are \$500/foot [permits, driller, waste disposal, oversight, & reporting] and abandonment of WCP-201 is \$10,000

**Abandonment costs are \$37/foot [permits, driller, waste disposal, oversight, & reporting]. Total well footage is 6,295 feet