NOTICE OF PUBLIC INFORMATION
DEPARTMENT OF ENVIRONMENTAL QUALITY

2016 WATER QUALITY ASSURANCE REVOLVING FUND REGISTRY

Pursuant to Arizona Revised Statute (A.R.S.) § 49-287.01(D)(E), the Arizona Department of Environmental Quality (ADEQ) is providing this annual report of the location, remedial status and score of the sites on the Water Quality Assurance Revolving Fund (WQARF) Registry (Registry) as of September 1, 2016. The Registry includes those sites within the state that may pose risk to public health, welfare or the environment from the release of hazardous substances and for which there is current or planned investigation and cleanup. There are 35 sites on the Registry:

22 in Maricopa County,
7 in Pima County,
2 in Gila County,
1 in Graham County,
1 in Navajo County,
1 in La Paz County and
1 in Yuma County

Sites on the Registry are scored based in part upon the type of contamination present, the location of the contamination and the number of people that may be affected. The maximum score a site may receive is 120. Scores are used to help determine relative risk from the site and do not necessarily mean that there is direct exposure of contaminants to humans or the environment. Whether the site is currently being remediated or investigated, ADEQ takes steps to identify the contamination and prevent exposure.

The Registry and additional information regarding these sites is available on the ADEQ web site at http://www.azdeq.gov/wqarf-registry. With 48-hour notice, an appointment to review related documentation is available Monday through Friday from 8:30 a.m. to 4:30 p.m. at ADEQ Records Management Center, 1110 West Washington Street in Phoenix. Please contact (602) 771-4380 to schedule an appointment to review documents.

ADEQ Publication number EQR 17-01

7th Avenue and Bethany Home Road - This site was placed on the WQARF Registry on August 25, 2004 and has a score of 29. The site is located in Phoenix and is bounded by Maryland Avenue to the north, to the south by Bethany Home Road, to the east by 5th Avenue, to the west by 8th Avenue, and includes the 2.6-acre former shopping center east of 7th Avenue that housed a dry cleaning facility, as well as a former dry cleaner west of 7th Avenue. Contaminants of concern at the site include tetrachloroethene (PCE), trichloroethene (TCE) and vinyl chloride.

A soil vapor extraction (SVE) system operated from June 2005 through January 2006. Confirmation soil samples confirmed successful remediation to levels below ADEQ Soil Remediation Levels (SRLs) and Groundwater Protection Levels (GPLs).

ADEQ completed the final Remedial Investigation (RI) report in April 2011, the Feasibility Study (FS) work plan in May 2011 and the FS was completed in November 2012. The FS recommended enhanced reductive de-chlorination as the remedy for the site. An additional Early Response Action (ERA) was initiated and a pilot test for enhanced reductive de-chlorination began in March 2013. The pilot test was completed in March 2014 and the Proposed Remedial Action Plan (PRAP) was finalized in April 2015. In June 2016, the Record of Decision (ROD) was signed documenting the selection of in-situ enhanced reductive dechlorination (ERD) with monitored natural attenuation as the remedy for remediation of contaminants in groundwater at the Site. A Community Advisory Board (CAB) has been established for the site, was merged with the Central and Camelback CAB in 2013 and meets on a regular basis.

7th Street and Arizona Avenue - This site was placed on the WQARF Registry in April 27, 2000 and has a score of 40. The site is located in downtown Tucson, and is bounded approximately by Speedway Boulevard to the north, 8th Street and the railroad to the south, 4th Avenue to the east and Ash Avenue to the west. Contaminants of concern at the site include PCE, TCE, and cis-1,2-dichloroethene (cis-1,2-DCE).

ADEQ operated a SVE system from June 2006 to July 2009 as an ERA for the site and decommissioned the SVE in July 2009. Groundwater monitor wells verify that the regional aquifer has not been impacted. ADEQ completed the final RI and FS reports in 2014 and the draft PRAP in 2014. Additional source investigation is on going and will require the PRAP to be revised. A CAB has been established for the site, merged with the Park-Euclid CAB in 2014 and meets on a regular basis.

7th Street and Missouri Avenue - This site was placed on the WQARF Registry in June 24, 2016 and has a score of 42. The site is located in Phoenix, and is bounded approximately by Montebello Avenue to the north, Georgia Avenue to the south, 6th Street to the west and 10th Street to the east. Contaminants of concern at the site include PCE and TCE.

PCE and TCE were initially detected in the late 1990's in groundwater samples collected as part of an underground storage tank assessment. The RI report will be prepared following characterization of the contaminant plume. In 2016, Fashion Cleaners entered into ADEQ's Voluntary Remediation

Program (VRP) to address cleaning up their portion of the contamination. The site was added to the Central Phoenix CAB which meets on a regular basis.

16th Street and Camelback - This site was placed on the WQARF Registry in April 21, 1999 and has a score of 23. The site is located in Phoenix and is bounded approximately by Camelback Road to the north, Highland Avenue to the south, 17th Street to the east, and 15th Street to the west. The contaminant of concern at the site is PCE.

Based on the results of an ERA evaluation conducted in 2003, ADEQ determined that SVE was not a feasible remedy for the site. The RI and FS reports were finalized in 2015 and the PRAP in July 2016.

20th Street and Factor Avenue - This site was placed on the WQARF Registry in March 30, 2000 and has a score of 31. The site is located in Yuma and is bounded approximately by 17th Street to the north, 21st Street to the south, Kennedy Lane to the east and Fourth Avenue to the west. Contaminants of concern at the site include PCE, TCE, 1,1-dichloroethene (1,1-DCE), cyanide and di(2-ethylhexyl) phthalate.

In 2002, ADEQ conducted a soil removal action and cleaned out sumps and septic tanks at an active facility as part of an ERA. A soil vapor investigation was initiated in 2008. Vapor and groundwater monitoring is ongoing. No drinking water wells have been impacted. In February 2014, ADEQ completed the installation of a permanent asphalt-based engineered cap. The cap was placed over the cyanide impacted soils still remaining at a depth below one (1) foot at the site. The RI report was finalized in October 2014 and the FS work plan was completed in November 2014. A CAB has been established for this site and meets on a regular basis.

56th Street & Earll Drive - This site was placed on the WQARF Registry on June 2, 2004 and has a score of 40. The site is located in Phoenix and is bounded by Earll Drive to the north, Roosevelt Street to the south, 56th Street to the east, and 26th Street to the west. Contaminants of concern at the site include PCE and TCE.

The site originally was investigated as part of the Motorola 52nd Street NPL site. However, groundwater data indicate that the two TCE groundwater contaminant plumes are separate and distinct plumes and it was disassociated from the larger Motorola 52nd Street NPL site. ADEQ and a potentially responsible party signed an agreement in 2015 to remediate the site. A pump and treat groundwater system was constructed and started operation in November 2013 as part of an ERA. A draft RI report was submitted in November 2015 and will be finalized after additional characterization is completed in 2017. A CAB has been established for this site and meets on a regular basis.

Highway 260 and Johnson Lane - This site was placed on the WQARF Registry on June 24, 2016 and has a score of 40. The site is located in the Lakeside portion of Pinetop-Lakeside, and is generally bounded to the north by the Jackson Lane alignment, to the south by the east-west alignment of West White Mountain Boulevard (State Route Highway 260) and Burke Lane, to the

east by the Blue Ridge Unified School District property and Billy Creek, and to the west by the Neils Hanson Lane alignment. Contaminants of concern at the site include PCE and TCE.

During groundwater sampling as part of a Preliminary Investigation in 2015, PCE and TCE were detected in private wells. ADEQ is currently conducting an ERA that includes providing drinking water to private residences and evaluating options to address potential health risks. A CAB has been established for this site and meets on a regular basis.

Broadway-Pantano - This site was placed on the WQARF Registry in December 15, 1998 and has a score of 57. The site is located in the east-central part of Tucson and is bounded approximately by Speedway Boulevard to the north, Calle Madero to the south, Pantano Wash to the east, and Craycroft Road to the west. Contaminants of concern in groundwater include PCE, TCE and vinyl chloride.

The sources of the groundwater contamination are the former Broadway North and South Landfills. A groundwater containment system was installed in 2003 to prevent further westward migration of contaminated groundwater. This system was shut down in October 2012 due to low incoming groundwater contaminant concentrations. A SVE system was installed at the Broadway North Landfill in 2000 to remove and treat contaminated landfill gases contributing to the groundwater contamination. This system operated until 2002. The groundwater RI report was finalized in June 2012 and the landfill RI report was finalized February 2015. The FS work plan was completed in April 2015 and work on the FS has begun. A CAB has been established for this site and meets on a regular basis.

Central Avenue and Camelback Road - This site was placed on the WQARF Registry in June 21, 2000 and has a score of 32. The boundaries of the site are approximately Georgia Avenue to the north, Mariposa Street to the south, 2nd Street to the east and 1st Avenue to the west. Contaminants of concern at the site include PCE, TCE and cis-1,2-DCE. Other contaminants present due to past releases from gasoline underground storage tanks in the area include benzene, toluene, ethylbenzene, total xylenes, methyl tertiary butyl ether (MTBE), and 1,2- dichloroethane (DCA).

In January 2003, as part of an ERA, ADEQ completed construction of a groundwater treatment system to remediate and control the migration of contaminated groundwater. In June 2004, ADEQ initiated an ERA evaluation of the Maroney's Drycleaner facility. A SVE system was installed in November 2007 and is currently in operation. Passive and active soil gas surveys were conducted in the vicinity of the former drycleaner's building and additional SVE wells were installed and added to the system. The RI and FS reports were finalized in 2015. The PRAP is expected in 2017. A CAB has been established for this site, merged with the 7th Avenue and Bethany Home Road CAB and meets on a regular basis.

Cooper Road and Commerce Avenue - The site was listed on the WQARF Registry on June 14, 2004 and has a score of 33. The site is located in Gilbert, and the plume is bounded by Encinas Street to the north, Neely Ranch Preserve to the south, Golden Key Street to the east, and Horne

Street/Dish Drive to the west. Contaminants of concern at the site in groundwater include PCE and TCE.

In 2001, groundwater samples collected from a Town of Gilbert monitoring well detected PCE concentrations above the AWQS. A Town of Gilbert public supply well is located nearby. Installation of off-site monitor wells began in 2003 and quarterly groundwater monitoring has been conducted at the site since March 2005. Construction and start up of a SVE/air sparging (AS) and groundwater pump and treat remediation system was completed in 2008; start-up of the AS component occurred in May 2009. The groundwater pump and treat system began continuous operations in August 2010. In 2015, the RI report was finalized and FS work plan approved. The FS report is expected in 2017. A CAB has been established for the site and meets on a regular basis.

East Central Phoenix (ECP) 24th Street and Grand Canal - This site was placed on the WQARF Registry in May 18, 2000 and has a score of 29. The site is located in Phoenix. The plume is bounded by Pinchot Avenue to the north, Greenfield Road to the south, 25th Place to the east and 22nd Street to the west. The contaminant of concern at the site is PCE.

The RI began in 2007. As part of a prospective purchaser agreement CVS Pharmacy conducted a site investigation and installed monitoring wells. Additional monitoring and soil vapor wells have been installed since 2007. A SVE system was constructed and started operation in July 2016 as part of an ERA. Following completion of contaminant plume characterization, the RI report will be prepared. A CAB has been established for this site and meets on a regular basis.

ECP 32nd Street and Indian School This site was placed on the WQARF Registry in May 18, 2000 and has a score of 29. The site has two (2) separate plumes of groundwater contamination. The plumes are bounded by Monterosa Street to the north, Osborn Road to the south, 32nd Place to the east and 26th Place to the west. Contaminants of concern at the site include PCE and TCE.

In 2013, a SVE treatment system at the Maroney's dry cleaner began operating and in 2014 a SVE treatment system at the Former Viking dry cleaner began operations. A vapor intrusion indoor air assessment study also took place during the summer of 2013. Results indicated that the threat to residences was minimal and that no indoor mitigation systems were necessary. Following completion of contaminant plume characterization, the RI report will be prepared. A CAB has been established for this site and meets on a regular basis.

ECP 38th Street and Indian School Road - This site was placed on the WQARF Registry in September 21, 1998 and has a score of 25. The site is located in Phoenix, and the plume is bounded by Indian School Road to the north, Piccadilly Road to the south, 38th Street to the east and 36th Street to the west. The contaminant of concern at the site is PCE.

ADEQ conducted an ERA installing a SVE system to remediate the source of PCE in the soil and groundwater. The system was started in 1994, operated intermittently and was decommissioned in March 2003. In 2014, additional groundwater monitor wells were installed. The RI report and FS work plan were finalized in 2015. A CAB has been established for this site and meets on a regular basis.

ECP 40th Street and Indian School Road - This site was placed on the WQARF Registry in September 21, 1998 and has a score of 25. The site is located in Phoenix, and the plume is bounded by Devonshire Avenue to the north, Amelia Avenue to the south, 40th Street to the east and 38th Street to the west. Contaminants of concern at the site include PCE and TCE.

ADEQ conducted an ERA, by installing a SVE/AS system to remediate the source of PCE in the soil and groundwater. The system was started in December 2004 and was shut down in June 2005. In 2014, additional groundwater monitor wells were installed. The RI report and FS work plan were finalized in 2015. A CAB has been established for this site and meets on a regular basis.

ECP 40th Street and Osborn - This site was placed on the WQARF Registry in May 18, 2000 and has a score of 30. The site is located in Phoenix, and the plume is bounded by Devonshire Avenue to the north, Amelia Avenue to the south, 40th Street to the east and 39th Street to the west. The contaminant of concern at the site is PCE.

In 2014, additional groundwater monitor wells were installed. Following contaminant plume characterization, the RI report will be prepared. A CAB has been established for this site and meets on a regular basis.

ECP 48th Street and Indian School Rd. - This site was placed on the WQARF Registry in March 26, 1999 and has a score of 32. The site is located in Phoenix, and the plume is bounded by Devonshire Avenue to the north, Fairmont Avenue to the south, 48th Street to the east and 45th Place to the west. The contaminant of concern at the site is PCE.

ADEQ and SRP entered into an agreement to conduct a source control interim remedial action (IRA) in 2004. SRP constructed a SVE system to remediate the source of PCE in soil. The system was removed by SRP in 2012 due to low concentrations.

A vapor intrusion indoor air assessment study took place during the summer of 2013. Results indicated that no indoor air mitigation systems were necessary. Following completion of contaminant plume characterization, the RI report will be prepared. A CAB has been established for this site and meets on a regular basis.

Estes Landfill - This site was placed on the WQARF Registry in April 28, 1998 and has a score of 50. The site is located in Phoenix, south of Sky Harbor Airport and is bounded approximately by the Salt River to the north, Magnolia Street to the south, State Route 153 to the east, and 37th Street to the west. Contaminants of concern at the site include vinyl chloride, cis-1,2-DCE and TCE in groundwater.

The RI and FS reports has been completed and since the PRAP was initially completed in 2002, the final proposed remedy for the Site has been changed. It was concluded that the source of the groundwater contamination is the former liquid waste disposal pit and not the current soil covered landfill. The current soil covered landfill only contains the debris and refuse that was disposed. There

is no indication that the current landfill is impacting groundwater quality. ADEQ finalized a revised PRAP in 2015 and is in the process of completing the ROD for 2017.

Klondyke Tailings Project - This site was placed on the WQARF Registry in September 28, 1998 and has a score of 69. The site is located approximately two (2) miles north of the town of Klondyke in Section 6, Township 7 South, Range 20 East. The site boundaries are irregular and defined by the extent of the soil contamination above the residential SRL for lead of 400 milligrams per kilogram (mg/kg). The current contaminants of concern in the soil include antimony, arsenic, cadmium, copper, lead, manganese, mercury, vanadium and zinc.

Sampling to determine the extent of off-site soil contamination began in 2006. To date, approximately 2,500 soil samples have been collected from the site and adjacent properties. The limits of the 400 mg/kg residential soil remediation level for lead have been defined to extend approximately 0.50 miles from the site and impact nine (9) properties within the site.

ERA activities continue at the site. In June 2008, erosion protection installation was completed on the upper tailings pile and the clean soil cap was seeded. In June 2012, EPA initiated the removal of contaminated soils from two properties. An additional 1,040 cubic yards of contaminated soil was removed in October 2013 from a third property. In 2014, the final RI was completed and in February 2015 the FS work plan was approved. The downstream tailings pile will be capped in 2016 and additional removal activities from residential properties will be conducted. A CAB has been established for the site and meets on a regular basis.

Los Reales Landfill - This site was placed on the WQARF Registry in April 23, 1999 and has a score of 32. The site is an active municipal sanitary landfill located in southeast Tucson and has been in operation since 1967. Contaminants of concern at the site include PCE and TCE.

The City of Tucson has implemented a groundwater pump and treat system as required by a 1995 remedial action plan. In 2013, the City submitted to ADEQ a PRAP modification of transitioning to "groundwater sampling only" based on continued plume stability (apparent natural attenuation). Wells were installed in 2015 as part of the data collection to finalize the remedial action plan.

Miracle Mile Area - This site was placed on the WQARF Registry in September 18, 1998 and has a score of 62. The site is located in Tucson and is bounded approximately by Ruthrauff Road to the north, Prince Road to the south, Pomona Road to the east, and La Cholla Boulevard to the west. Contaminants of concern at the site include TCE and chromium.

The local water provider is operating an ADEQ-funded wellhead treatment system as an ERA to remove TCE. In June 2013, the final RI report was issued and the FS was initiated. A CAB has been established for this site and meets on a regular basis.

Park-Euclid - This site was placed on the WQARF Registry in April 23, 1999 and has a score of 51. The site is in Tucson and is approximately bounded by 9th Street to the north, 14th Street to the south, Highland Avenue to the east, and Park Avenue to the west. Contaminants of concern at the site include PCE, TCE, vinyl chloride, trans-1,2-DCE and cis-1,2-DCE.

ADEQ negotiated an Agreement to Conduct Work with potentially responsible parties Mission Linen and Haskell Linen (Park-Euclid Working Group) in 2010. In November 2011, ADEQ completed the final RI report. The Park-Euclid Working Group submitted a FS work plan in June 2013 and expects completion of the FS report in 2017. A CAB has been established for this site, merged with the 7th Street and Arizona Avenue CAB, and meets on a regular basis.

Payson PCE - This site was placed on the WQARF Registry in April 29, 1998 and has a score of 63. The site is located in Payson and the plume is bounded approximately by Main Street to the north, Cedar Lane to the south, Beeline Highway (State Route 87) to the east, and McLane Road to the west. The contaminant of concern in the groundwater at the site is PCE.

Two (2) groundwater treatment systems have been constructed. An Interim Groundwater Treatment System (IGTS) was constructed to remediate the contamination in the source area. The IGTS operated from October 1998 to January 2003 and was decommissioned in July 2013. An Expanded Groundwater Treatment System (EGTS) began operation in October 1998 and continues to operate treating contaminated water and preventing the contamination plume from migrating further. Treated water from the EGTS is delivered to the Town of Payson drinking water system.

ADEQ completed the ROD in June 2007. Groundwater monitoring takes place twice per year. The Periodic Site Review was completed in November 2013. In December 2015, Enhanced Reductive Dechlorination (ERD) method will begin and is expected to reduce the time for completion of the overall remedy.

Pinal Creek - This site was placed on the WQARF Registry in October 23, 1998 and has a score of 97. The site is located in Gila County in and around the cities of Globe, Town of Miami, and the communities of Claypool and Wheatfield. The site includes the BHP Copper and Freeport McMoRan (formerly Phelps Dodge) Miami mining properties, and the drainages and underlying aquifers of Miami Wash, Bloody Tanks Wash, Russell Gulch, and Pinal Creek. The site also includes the entire floodplain of Pinal Creek from the Old Dominion Mine to the Salt River, plus those portions of the communities underlain by contaminated groundwater. Contaminants of concern in groundwater at the site include heavy metals such as aluminum, iron, manganese, copper, cobalt, nickel, zinc, cadmium, and other contaminants such as sulfate, acidity, and dissolved solids. Localized soil and stream sediment contamination are being investigated; contaminants of concern include arsenic, lead, copper, cadmium, manganese, nickel, and zinc.

The Pinal Creek Group (PCG), which previously consisted of BHP, Freeport McMoRan and Inspiration Copper, have been conducting remedial actions including source control since 1988 and have completed a RI, risk assessments, a FS, and a recommended remedial action plan. They also have conducted a well replacement program for contaminated private and public supply wells. The PCG has been conducting groundwater extraction and treatment from the alluvial and the regional

aquifers since 1988. To speed up aquifer restoration, groundwater remedy optimization pilot tests have been conducted near the source area in Bloody Tanks Wash. In Kiser Basin, water is now being injected to improve recovery. At Live Oak, a large scale pilot test has begun to speed up restoration of the groundwater.

Shannon Road/El Camino del Cerro - The El Camino del Cerro WQARF site and Shannon Road-Rillito Creek WQARF site were administratively combined into one site, the Shannon Road/El Camino del Cerro WQARF site, in January 2005 based on sampling results showing there is a single plume. The El Camino del Cerro site was placed on the WQARF Registry in August 18, 1998 and has a score of 71. The Shannon Road-Rillito Creek site was placed on the WQARF Registry in April 23, 1999 and has a score of 53.

This combined site is located in northwest Tucson and is bounded approximately ¼ mile north of the Rillito Creek to the north, El Camino del Cerro Road on the south, Meadowbrook Park on the east, the Santa Cruz River on the west. The site consists of industrial and residential properties, and a former landfill which occupies approximately twenty (20) acres in the southwest portion of the site. Contaminants of concern in groundwater at the site include PCE, TCE, 1,1-DCE, vinyl chloride, and benzene.

The contaminant plume has impacted three (3) community wells, two of which were removed from service. One (1) of these wells now has a wellhead treatment system capturing the plume and removing VOCs to meet drinking water standards. The RI report was finalized in 2015 and the FS work plan has been approved. The FS began in 2015 and remedy alternatives evaluation is currently being evaluated. A CAB has been established for the site and meets on a regular basis.

Silverbell Jail Annex Landfill - This site was placed on the WQARF Registry in April 23, 1999 and has a score of 51. The site is located at 3200 North Silverbell Road in northwest Tucson. The site is bounded approximately by Sweetwater Drive on the north, Grant Road/Ironwood Hills Drive on the south, Interstate 10 on the east, and Silverbell Road on the west. Contaminants of concern at the site include PCE, TCE, cis-1,2-DCE and vinyl chloride.

In 2001, the City of Tucson began operation of a full-scale SVE system to remove and treat contaminated VOC landfill gases contributing to the groundwater contamination. In April 2008, the system was shut down and the equipment was removed.

In 2010, the City of Tucson proposed to install a pump-treat-inject system to address the highest VOC concentrations. A concern at this site is the overlapping of the northern part of the Kinder Morgan Silvercroft Wash Release (SWR) site MTBE groundwater plume with the southern part of the Silverbell Landfill PCE groundwater plume. The SWR site is currently being addressed through the Voluntary Remediation Program. ADEQ, the City of Tucson and Kinder Morgan meet periodically to coordinate sampling and cleanup of the two sites. ADEQ is awaiting the remediation system design from the City of Tucson. The City of Tucson continues to conduct groundwater and soil vapor (methane) monitoring.

South Mesa - This site was placed on the WQARF Registry in August 18, 1998 and has a score of 31. The site is located in Mesa and is bounded approximately by Broadway Road to the north, Southern Pacific Company railroad to the south, Stapley Road/Cooper to the east, and Union Pacific Railroad the west. The contaminant of concern at the site is PCE.

Two (2) remedial action projects at the site have significantly reduced the contamination by treating pumped groundwater and extracting vapors from the soil. ADEQ began an ERA in June 2004 to address the remaining subsurface contamination. The SVE system was shut down in November 2007 and was removed from the site in June 2008.

The RI, and FS reports have been completed. The PRAP was completed in November 2014. In June 2016, the ROD was signed documenting the selection of groundwater monitoring, with wellhead treatment as a contingency, as the remedy.

Tyson Wash - This site was placed on the WQARF Registry in June 23, 1998 and has a score of 46. The site is located in the Town of Quartzsite and the contaminated groundwater plume is bounded by Sunset Street to the north, Oregon Avenue to the west, Main Street (Business I-10) to the south, and Central Boulevard (SR-95) to the east. The known groundwater contamination exists northwest of the intersection of State Highway 95 and Business Route I-10 in Quartzsite. Contaminants of concern at the site include PCE and TCE.

As part of an ERA, a groundwater treatment system was constructed in 2003 to reduce contaminant concentrations in the aquifer and prevent migration of the plume to private drinking water wells. The RI and FS have been completed, the PRAP was completed in June 2008, and the ROD was completed in June 2009. The site is in the Operation and Maintenance (O&M) phase. After favorable results during pilot testing, a full scale In-Situ Chemical Oxidation (ISCO) system began operation in June 2014 and is expected to reduce the overall time for cleanup.

Vulture Mill - This site was placed on the WQARF Registry in April 28, 1998, and has a score of 65. The site is located just east of U.S. Route 89/93 about one (1) mile northwest of the center of the Town of Wickenburg. The eastern boundary of the site is approximately 0.25 miles west of the Hassayampa River. Contaminants of concern at the site include lead and arsenic.

The ROD was signed in September 1999. ADEQ has implemented the remedy, which consists of excavation of contaminated soil, placement in a consolidation pile, installation of a clean soil cover, and planting of vegetation to control erosion. Presently, the site is used as pasture and inspected annually. The last inspection occurred in 2015. Negotiations with the owner to place a Declaration of Environmental Restriction on the property continues.

West Central Phoenix (WCP) - East Grand Avenue - This site was placed on the WQARF Registry in April 15, 1998 and has a score of 31. The site is located in Phoenix and is bounded approximately by SRP Canal to the north, Thomas Road to the south, 29th Avenue to the east, and 33th Avenue to the west.

Field investigative activities were completed in December 2001 and the RI report has been completed. In 2004, a working party constructed and operated a SVE system at the former Van Waters & Rogers facility. In September 2013, the SVE system was shut down. The working party is in the process of completing the FS and has implemented groundwater monitoring. A CAB has been established for this site.

WCP North Canal Plume - This site was placed on the WQARF Registry in April 15, 1998 and has a score of 27. The site is located in Phoenix and the approximate boundaries of this site are Indian School Road on the north, West Flower Street on the south, Grand Avenue on the east and 40th Avenue on the west. Contaminants of concern at the site include PCE, TCE and chromium.

The 2005, ADEQ conducted an ERA evaluation. In 2013 and 2014, as part of the remedial investigation, a passive soil gas survey on 33rd Avenue was completed. The final RI report is anticipated in 2017. A CAB has been established for this site.

WCP North Plume - This site was placed on the WQARF Registry in April 15, 1998 and has a score of 55. The site is located in Phoenix and is bounded approximately by Highland Avenue to the north, Indian School Road to the south, 37th Avenue to the east, and 43rd Avenue to the west. Contaminants of concern at the site include PCE and TCE.

A SVE system was installed at the F&B facility as part of an ERA. The SVE system has been updated to improve operation. Further evaluations are being conducted to address groundwater contamination.

Through a working party agreement, a SVE system was operated at the Hill Brothers Chemical Company. A No Further Action (NFA) determination was issued for this facility following confirmation sampling and a public notice for review.

The RI and RO reports for this site are complete and the FS is underway. A CAB has been established for this site.

WCP West Grand Avenue - This site was placed on the WQARF Registry in April 21, 1998 and has a score of 22. The site is located in Phoenix and is bounded approximately by Osborn Road to the north, Earll Drive to the south, 33rd Avenue to the east, and 35th Avenue to the west. The contaminant of concern at the site is TCE.

The FS report was completed in June 2013 and the PRAP in February 2014. In June 2016, the ROD was signed documenting the selection of groundwater monitoring and sampling that would confirm completion of MNA as the remedy. All contaminants are below AWQS and the site is expected to be removed from the Registry soon. A CAB has been established for this site.

WCP West Osborn Complex - This site was placed on the WQARF Registry in August 11, 1998 and has a score of 52. The site is located in Phoenix and is bounded approximately by the Grand Canal to the north, Van Buren Street to the south, 33rd Avenue to the east, and 55th Avenue to the west. Contaminants of concern at the site include TCE and PCE.

The RI report has been completed. FS reports for the deep and shallow plumes for the project site have been approved. PRAPs were completed for the deep and shallow plumes and are being reviewed by ADEQ. A CAB has been established for this site.

West Van Buren - This site was placed on the WQARF Registry in April 10, 1998 and has a score of 50. The site is located in Phoenix and is bounded approximately by McDowell Road to the north, Lower Buckeye Road to the south, Seventh Avenue to the east, and 75th Avenue to the west. In addition, a finger shaped plume exists from approximately West Buckeye Road and South 41st Avenue to West Watkins Street and South 11th Avenue. Contaminants of concern at the site include PCE, TCE, 1,1,1-trichloroethane (1,1-TCA), 1,1-DCA, 1,1-DCE, cis-1,2-DCE, and chromium.

Air Liquide USA, LLC and Air Liquide America Specialty Gases, LLC (Air Liquide) signed a Consent Order in 2007 to conduct investigative work on their property. Air Liquide performed a SVE pilot test in 2012 and determined that VOC levels were below remediation action levels. Air Liquide currently performs groundwater monitoring in accordance with their Consent Order.

ADEQ conducted an ERA from 1999 to 2003 at the former American Linen Supply Company (ALSCo) that consisted of SVE/AS and groundwater pump and treat remediation systems. ADEQ issued ALSCo a NFA determination for soil in 2008.

ChemResearch Company Incorporated (ChemResearch) excavated and disposed of contaminated soil in 1995. ChemResearch is currently under a Consent Order with the ADEQ Resource Conservation and Recovery Act (RCRA) program to perform groundwater monitoring and remediate soil beneath the western portion of their facility.

Dolphin Incorporated (Dolphin) operated SVE/AS systems from 1998 to 2002. In December 2002, Dolphin shutdown the SVE/AS systems. Dolphin satisfied the terms of their Consent Order and Consent Judgment with the ADEQ RCRA program in 2006.

Prudential Overall Supply (Prudential) entered into a Consent Order to investigate soil and groundwater contamination at their facility in 2008. Prudential currently operates a SVE system and performs groundwater monitoring.

Reynolds Metals Company (Reynolds) operated a SVE system periodically from 1989 to 1991. ADEQ issued Reynolds an NFA for soil for 14 release areas in 2000.

Van Waters and Rogers Incorporated (VW&R) installed and periodically operated a SVE system from 1992 to 1998. ADEQ issued VW&R an NFA determination for soil in 2002.

Roosevelt Irrigation District (RID) submitted an ERA plan which was conditionally approved on June 24, 2010. RID submitted a modified ERA plan which was approved on February 1, 2013. RID installed liquid-phase granular activated carbon wellhead treatment systems on four (4) of RID's wells within the West Van Buren Area plume.

ADEQ finalized the RI report for WVBA in August 2012. RID and the West Van Buren Working Group (WVBWG), under working agreements with ADEQ, submitted separate FS work plans in July 2013, FS reports in July 2014 and draft PRAPs in 2015. A CAB has been formed for this site and meets on a regular basis.

Western Avenue Plume - This site was placed on the WQARF Registry in December 15, 1998 and has a score of 51. The site is located in Avondale and Goodyear and is bounded approximately by San Xavier Boulevard to the north, State Route 85 to the south, 3rd Street to the east and Phoenix Goodyear Airport to the west. The contaminant of concern at the site is PCE.

The final RI report and FS were completed in May 2009 and November 2013, respectively. The PRAP was completed in April 2014. The City of Goodyear Municipal Well No. 1 (COG-1) is located in the Western Avenue site. Historically, PCE has not been detected at this well above the AWQS of 5 ppb. Groundwater monitoring wells at the site are currently being sampled along with COG-1. Following the completion of an evaluation of COG-01, ADEQ will prepare the ROD. The Community Advisory Group (CAG) was disbanded with the approval of the PRAP.