



Stone Avenue and Grant Road, 7th Street and Arizona
Avenue, and Park-Euclid Water Quality Assurance
Revolving Fund (WQARF) Sites
Community Involvement Plan

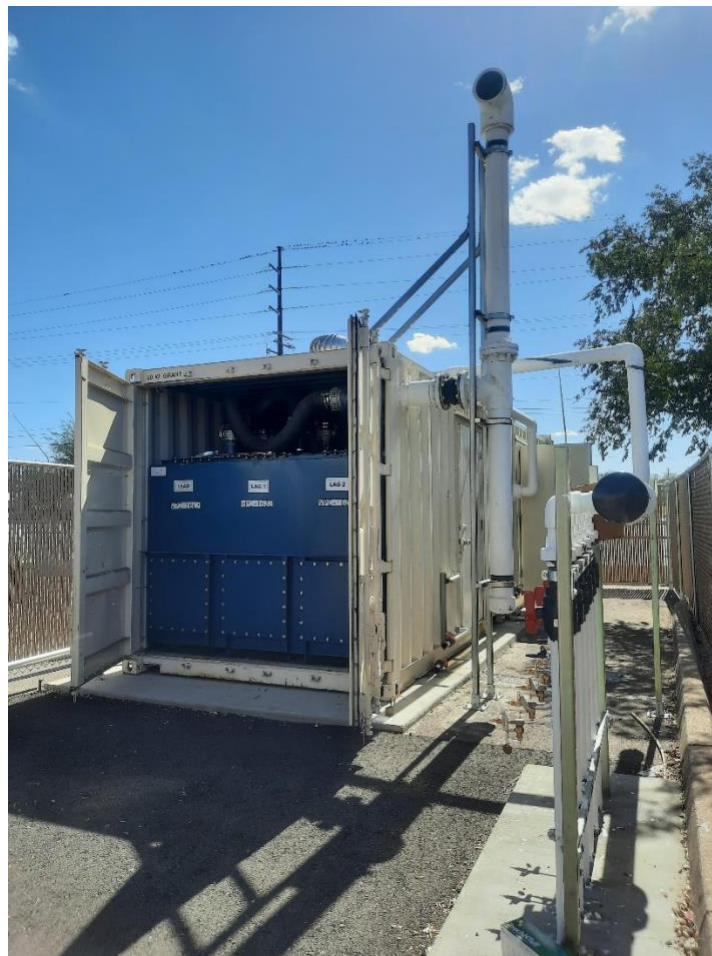


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Disclaimer: All telephone numbers, email addresses, and contact names are subject to change after the date of this publication.

Introduction

CIP Purpose

The Arizona Department of Environmental Quality (ADEQ) is committed to involving communities in the Water Quality Assurance Revolving Fund (WQARF) site investigation and cleanup process. The Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites Community Involvement Plan (CIP) describes how ADEQ will fulfill this commitment. ADEQ will regularly update this plan based on site-specific developments, public comments, and community concerns. ADEQ welcomes community input on this CIP.

WQARF Process

The goal of the WQARF process is to clean up sites with groundwater and/or soil contamination to protect human health and the environment. Created under the Environmental Quality Act of 1986, WQARF receives funding from legislative appropriations, cost recovery from responsible parties, and special fees.

The WQARF program identifies contaminated sites in significant need of remediation. WQARF Registry sites are assigned an Eligibility and Evaluation (E&E) score based on several factors, such as the nature and extent of contamination, and the number of people who may be exposed to the contaminants. The E&E score does not necessarily mean that the site poses a direct risk to human health and/or the environment.

The WQARF process uses a step-by-step approach to thoroughly investigate contaminated sites. ADEQ uses data from the investigation to develop a site-specific cleanup strategy, also called the remedy of the site.

The flowchart in Appendix A depicts each phase in the WQARF process. The definitions of each WQARF phase can be found in the glossary.

ADEQ Spokesperson Contact Information

The ADEQ designated spokesperson, the Community Involvement Coordinator, will act as liaison between ADEQ and the community near the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites. The Community Involvement Coordinator will provide notice of public meetings, plan Community Advisory Board meetings, and ensure that CIP requirements are followed. Contact information for the designated spokesperson is below:

Community Involvement Coordinator ADEQ

1110 West Washington Street, 6th Floor, Phoenix AZ 85007
602-316-4270

Or

1-800-234-5677

Fax: 602-771-4272

Email: Marks.Tereza@azdeq.gov

View Community Involvement Contacts Online: azdeq.gov/WQARF

Site Information Repository

The information repository of the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites contains technical reports, public notices, and this CIP. ADEQ will add site-related documents to the repository as they are completed. The Site information repository is available online and in person:

Online:

azdeq.gov/stone-grant

azdeq.gov/7th-arizona

azdeq.gov/park-euclid

In Person:

ADEQ Records Center
1110 West Washington Street
Phoenix, AZ 85007

602-771-4380

Or

1-800-234-5677

(Please call to make an appointment)

To make alternative arrangements to review documents, contact the ADEQ Community Involvement Coordinator.

Site Overviews

Stone Avenue and Grant Road

The Stone Avenue and Grant Road WQARF Site is located in Tucson, Arizona. The approximate boundaries of the Site are West Jacinto Street to the north, East Sahuaro Street to the south, North Estrella Avenue to the east, and North Oracle Road to the west. The Site was placed on the WQARF Registry in 2017, with an E&E score of 45 out of a possible 120. The primary contaminant of concern (COC) is tetrachloroethene (PCE) in soil with trichloroethene (TCE) comingled but not in exceedance of any standard, likely a breakdown product of PCE.

In 2005, PCE was detected below Arizona Aquifer Water Quality Standards (AWQS) in a groundwater sample from a domestic well at the Sleepy Hollow Mobile Home Park, approximately 0.6 miles west-northwest of the Site. As of 2010, the well was no longer utilized and the residents were connected to city water.

In 2014, the City of Tucson conducted Phase I and II Environmental Assessments, which detected PCE in soil-gas beneath a building near the Site. Four sub-slab samples detected PCE above the residential and non-residential vapor intrusion screening level. At least one sample exceeded the residential soil remediation level (SRL) for PCE.

From 2015 to 2016, ADEQ conducted a Preliminary Investigation (PI). In 2017, ADEQ added the Site to the WQARF Registry and began the Remedial Investigation (RI). ADEQ also implemented an Early Response Action (ERA) to address soil contamination and vapor intrusion at the Site using soil vapor extraction (SVE). The RI was completed in 2019 and determined that there were two releases from two separate sources. The first source had a more localized PCE presence in the subsurface while the second had PCE in soil-gas that extended laterally towards North Oracle Road, primarily along West Alturas Street. The RI also determined that the regional aquifer was not impacted by the COC and the previously contaminated perched groundwater aquifer no longer existed at the Site, leaving a smear zone where the perched aquifer was once present.

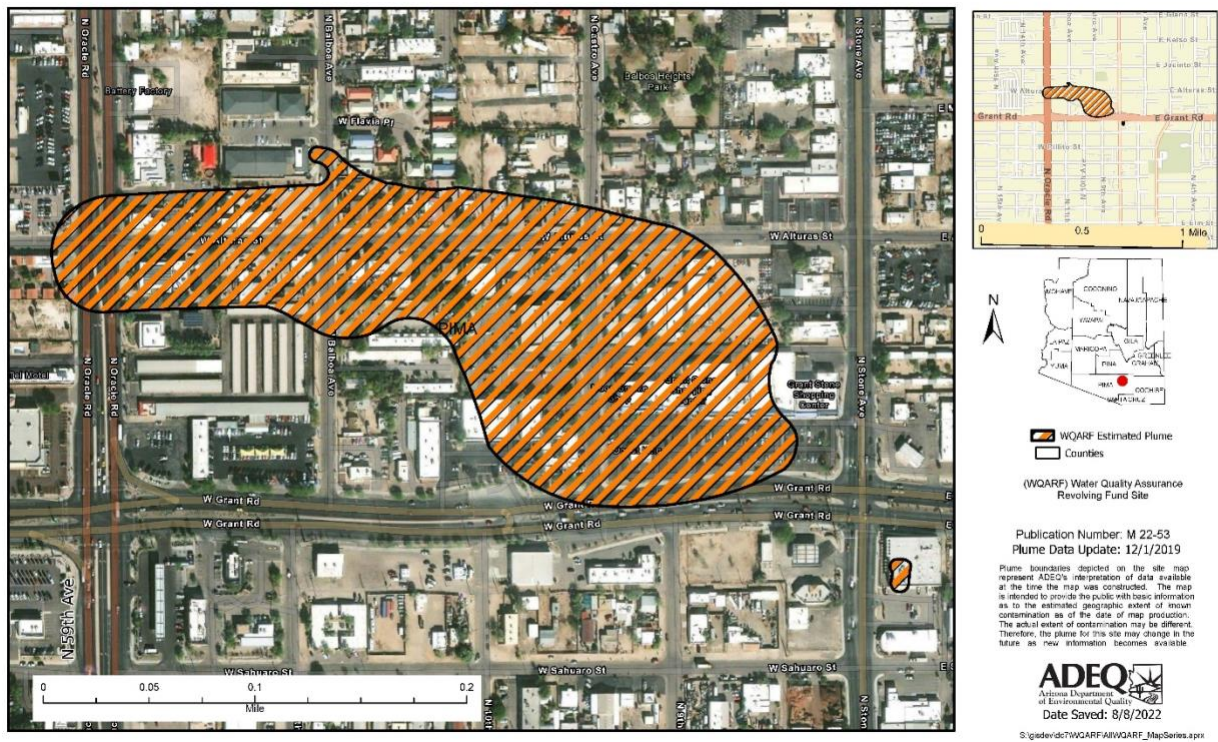
In 2020, ADEQ completed the Feasibility Study (FS), Proposed Remedial Action Plan (PRAP), and Record of Decision (ROD) for the Site. SVE was identified as the most effective remedy to meet the Site remedial objectives (ROs) at both source properties.

The final remedy was implemented at the Site in 2021. Operations, maintenance, and monitoring is ongoing.

The following map shows the PCE soil-gas plume boundaries based on the RI data. This area may change as ADEQ collects more information.

A full history of Site activities is located in Appendix B.

Stone Avenue and Grant Road



7th Street and Arizona Avenue

The 7th Street and Arizona Avenue WQARF Site is located in Tucson, Arizona. The approximate boundaries of the Site are Speedway Boulevard to the north, 8th Street and the Union Pacific Railroad to the south, 4th Avenue to the east, and 10th Avenue to the west. The Site was placed on the WQARF Registry in 2000, with an E&E score of 40 out of a possible 120. The major factor leading to the score was the presence of PCE, TCE, and *cis*-1,2-dichloroethene in groundwater, soil-gas, and soils at levels exceeding the AWQS and SRLs.

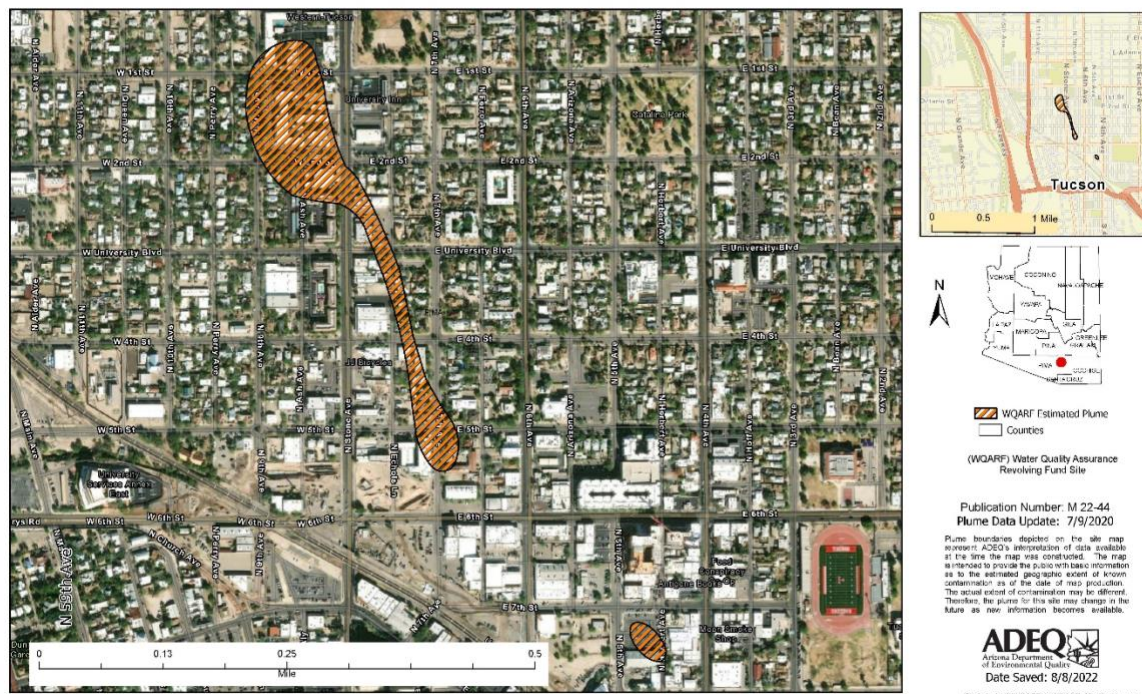
From June 2006 to July 2009, ADEQ operated an SVE system as an ERA, which removed over 700 pounds of volatile organic compounds (VOCs) near the 7th Street source property. ADEQ issued the RI, FS, and PRAP for the Site in 2014.

In 2015, ADEQ identified the location of a former dry cleaner on North Stone Avenue as a second source property. ADEQ collected additional data to revise the FS and PRAP, and a SVE system was installed and operated from December 2017 to April 2019 removing over 2,000 pounds of VOCs.

An addendum to the original 2014 PRAP was published in February 2020 to select a remedy for the second source property. ADEQ signed the ROD for the Site in June 2020, which finalized the remedies for both source properties. Remedy Implementation began in 2021.

A full history of Site activities is located in Appendix B.

7th Street and Arizona Ave



Park-Euclid

The Park-Euclid WQARF Site is located in Tucson, Arizona. The approximate boundaries of the Site are 9th Street to the north, 14th Street to the south, Highland Avenue to the east, and Park Avenue to the west. The Site was placed on the WQARF Registry in 1999, with an E&E score of 51 out of a possible 120. The major factor leading to the score was the presence PCE, TCE, *cis*-1,2-dichloroethene, and vinyl chloride in groundwater, soil-gas, and soils at levels exceeding the AWQS and SRLs.

ADEQ began the PI for the Site in 1991. Mission Linen Supply, the source property owner, and the United States Environmental Protection Agency conducted Site assessment activities throughout the 1990s.

From 2000 to 2006, Mission Linen Supply constructed and operated an SVE system as an ERA to remediate soil in the upper vadose zone. ADEQ released the Draft RI for the Site in 2004 and the Final RO report in 2008. An additional ERA, known as Multi-Phase Extraction (MPE), operated from 2008 to 2014 to remediate the perched groundwater beneath the Site.

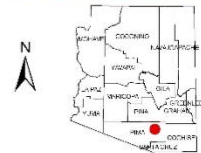
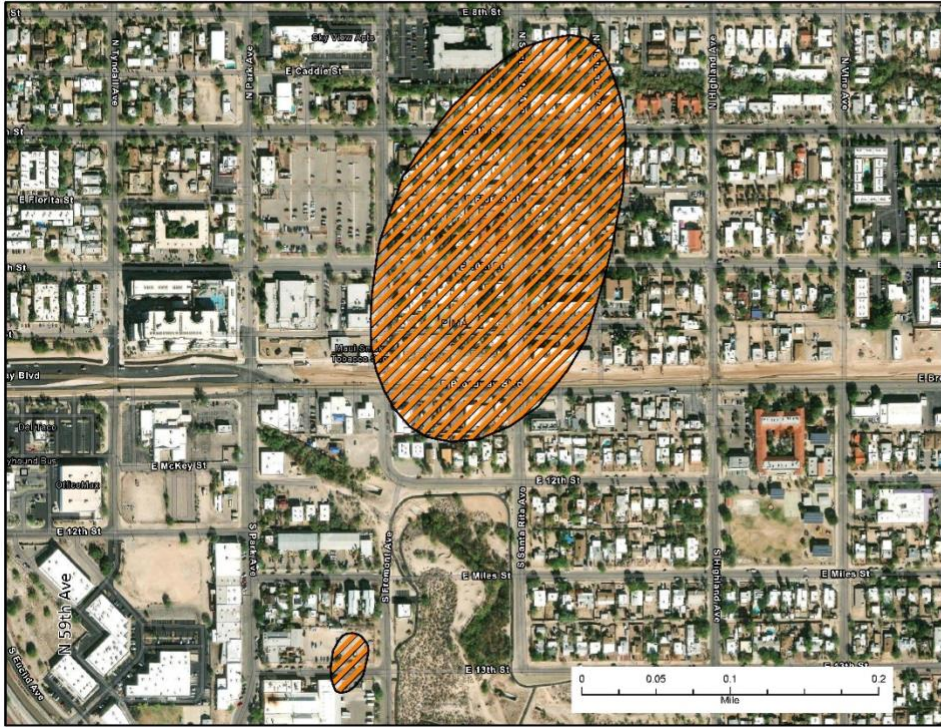
In 2010, the potentially responsible parties at the Site formed the Park-Euclid Group to manage and fund ongoing remedial activities, with ADEQ oversight. ADEQ finalized the RI in November 2011. SVE activities occurred from 2014 to 2015 to remove soil contamination in the lower vadose zone of the Site.

In 2017, ADEQ approved and released the FS for the Site. The Park-Euclid Group issued the PRAP in June 2020.

The ROD for the Site was issued in July 2021. The selected remedy is SVE for soil and monitored natural attenuation for groundwater. The remedy is being implemented in accordance with the ROD.

A full history of Site activities is located in Appendix B.

Park-Euclid



WQARF Estimated Plume
Counties

(WQARF) Water Quality Assurance
Revolving Fund Site

Publication Number: M 22-48
Plume Data Update: 5/10/2020

Plume boundaries depicted on the site map represent ADEQ's interpretation of data available at the time the map was constructed. The map is intended to provide the public with basic information as to the estimated geographic extent of known contamination as of the date of map production. The actual extent of contamination may be different. Therefore, the plume for this site may change in the future as new information becomes available.

ADEQ
Arizona Department
of Environmental Quality
Date Saved: 8/8/2022

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Community Profiles

Community Involvement Areas (CIA)

The CIAs of the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites designates a geographic area in which ADEQ will send mass mailings and focus its outreach efforts. CIA boundaries are determined based on site-specific characteristics, such as the affected media (i.e., soil, surface water, or groundwater), groundwater flow direction, exposure routes, and proximity to residential areas and public facilities. The CIA may change as ADEQ collects more information.

The maps on the following pages illustrate the 2022 CIAs for the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites.

Community Demographics

Demographics help ADEQ plan and implement tailored community involvement activities. The following pages display key demographic information for the CIAs for the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites.

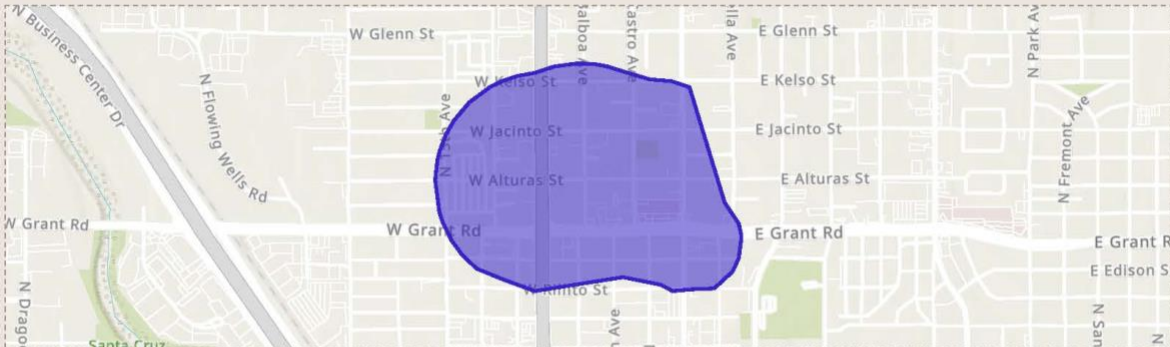
The Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites are located in Tucson, Arizona. The current estimated population of Tucson is 545,340 people¹.

The CIAs for the three sites contain a mix of residential, commercial, and industrial areas within zip codes: 85701, 85705, and 85719. An estimated 7,160 people live in 3,358 households within the CIAs of the three Sites.

¹ Source: Arizona Demographics Interactive Map Viewer: <https://geo.azmag.gov/maps/azdemographics/>



Community Involvement Area STONE AND GRANT



Population and Households

1,953
Total Population

2.0
Average Household Size

\$30,446
Median Household Income

815
2020 Total Households

76%
Renter Occupied Housing Units

24%
Owner Occupied Housing Units

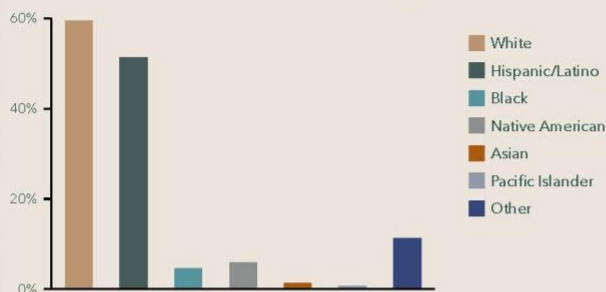
Vulnerable Aged Population

7%
Age 0-4

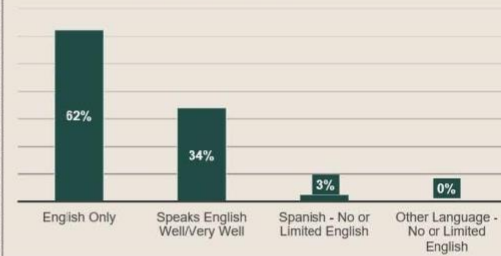
11%
Age 65+

This infographic contains data provided by Esri, ACS, Esri-MRI-Simmons, U.S. Census. The vintage of the data is 2022, 2016-2020, 2027, 2010.

Race and Ethnicity



Language Spoken at Home



Data is in accordance with guidelines provided by the U.S. Office of Management and Budget (OMB). The standards have five categories for data on race: American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White. People may choose to report more than one race to indicate their racial mixture. People who identify their origin as Hispanic, Latino, or Spanish may be of any race.

Technology Access at Home

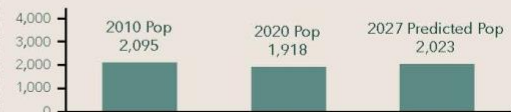
93%
Internet Access at Home

47%
Own Any Tablet

70%
HH Owns a Computer

90%
Smartphone

Population



Stone Avenue and Grant Road

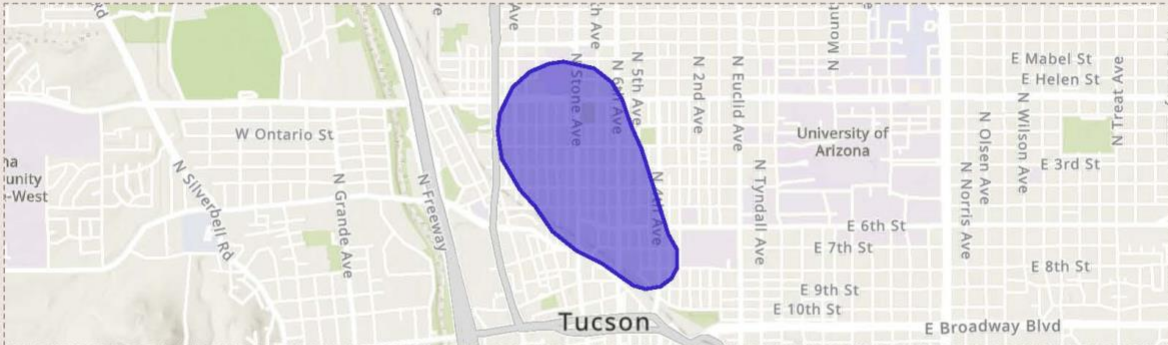
An estimated 1,953 people live in 825 households within the CIA of this Site. Among CIA residents above age five, 3% speak Spanish only or have limited English; 62% of residents identified English as their only language. Given the low proportion of Spanish only speakers, ADEQ will provide interpretation and translation services as requested. Community input identified a need for possible additional translations beyond Spanish and ADEQ is evaluating this request, although data indicates that a very small percentage of individuals in the CIA speak a language other than English or Spanish.

ADEQ looks at the community as a whole with an emphasis on the proportion of residents under age five and above age 65. These populations are considered more vulnerable to the potential health effects associated with exposure to environmental contamination. In the CIA, approximately 7% of the population is under age five, while 11% is above age 65.

A list of neighborhood associations, community schools, and vulnerable population centers can be found in Appendix C. Appendix D contains a list of elected officials.



Community Involvement Area 7TH STREET AND ARIZONA AVENUE



Population and Households

2,369
Total Population

2.0
Average Household Size

\$33,421
Median Household Income

1,121
2020 Total Households

76%
Renter Occupied Housing Units

24%
Owner Occupied Housing Units

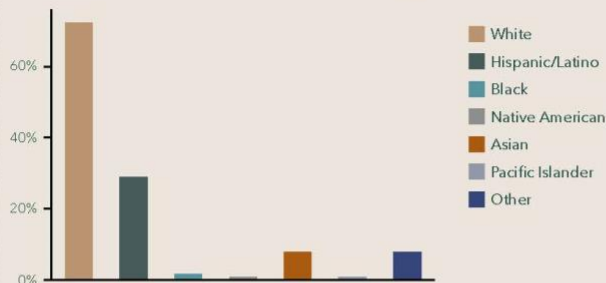
Vulnerable Aged Population

2%
Age 0-4

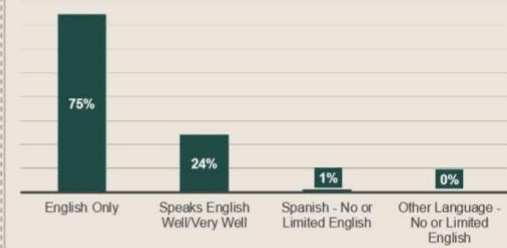
8%
Age 65+

This infographic contains data provided by Esri, ACS, Esri-MRI-Simmons, U.S. Census. The vintage of the data is 2022, 2016-2020, 2027, 2010.

Race and Ethnicity



Language Spoken at Home



Data is in accordance with guidelines provided by the U.S. Office of Management and Budget (OMB). The standards have five categories for data on race: American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White. People may choose to report more than one race to indicate their racial mixture. People who identify their origin as Hispanic, Latino, or Spanish may be of any race.

Technology Access at Home

95%
Internet Access at Home

47%
Own Any Tablet

82%
HH Owns a Computer

94%
Smartphone

Population



7th Street and Arizona Avenue

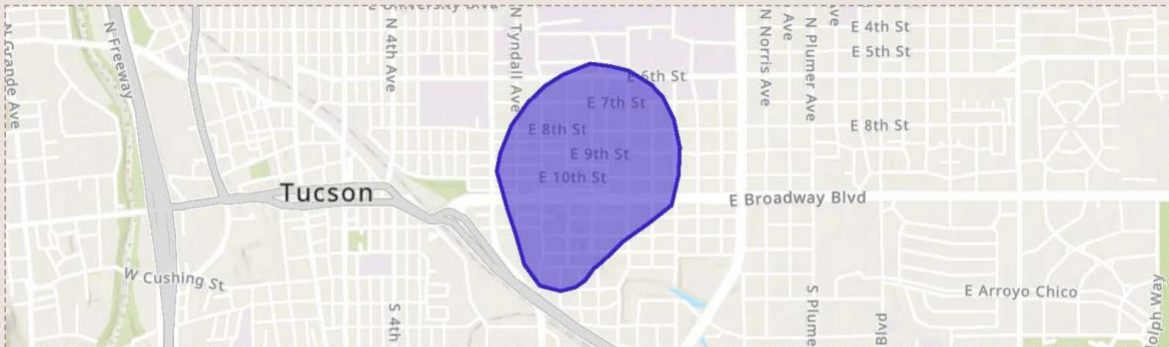
An estimated 2,369 people live in 1,121 households within the CIA of this Site. Among CIA residents above age five, less than 1% speak Spanish only or have limited English; 75% of residents identified English as their only language. Given the low proportion of Spanish speakers, ADEQ will provide interpretation and translation services as requested.

ADEQ looks at the community as a whole with an emphasis on the proportion of residents under age five and above age 65. These populations are considered more vulnerable to the potential health effects associated with exposure to environmental contamination. In the CIA, approximately 2% of the population is under age five, while 8% is above age 65.

A list of neighborhood associations, community schools, and vulnerable population centers can be found in Appendix C. Appendix D contains a list of elected officials.



Community Involvement Area PARK-EUCLID



Population and Households

2,838
Total Population

1.5
Average Household Size

\$28,097
Median Household Income

1,422
2020 Total Households

79%
Renter Occupied Housing Units

21%
Owner Occupied Housing Units

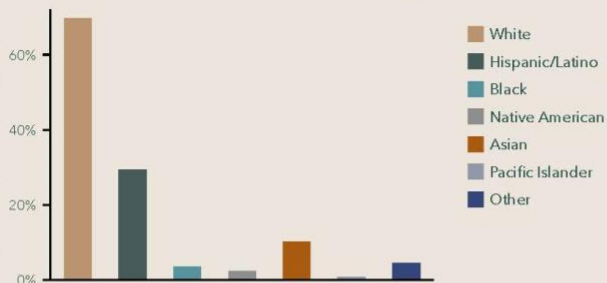
Vulnerable Aged Population

2%
Age 0-4

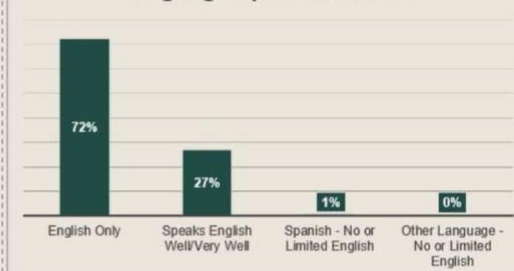
6%
Age 65+

This infographic contains data provided by Esri, ACS, Esri-MRI-Simmons, U.S. Census. The vintage of the data is 2022, 2016-2020, 2027, 2010.

Race and Ethnicity



Language Spoken at Home



Data is in accordance with guidelines provided by the U.S. Office of Management and Budget (OMB). The standards have five categories for data on race: American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White. People may choose to report more than one race to indicate their racial mixture. People who identify their origin as Hispanic, Latino, or Spanish may be of any race.

Technology Access at Home

98%
Internet Access at Home

45%
Own Any Tablet

91%
HH Owns a Computer

96%
Smartphone

Population



Park-Euclid

An estimated 2,838 people live in 1,422 households within the CIA of this Site. Among CIA residents above age five, only 1% speak Spanish only or have limited English; 72% of residents identified English as their only language. Given the low proportion of Spanish speakers, ADEQ will provide interpretation and translation services as requested.

ADEQ looks at the community as a whole with an emphasis on the proportion of residents under age five and above age 65. These populations are considered more vulnerable to the potential health effects associated with exposure to environmental contamination. In the CIA, approximately 2% of the population is under age five, while 6% is above age 65.

A list of neighborhood associations, community schools, and vulnerable population centers can be found in Appendix C. Appendix D contains a list of elected officials.

Community Issues and Concerns

To better understand the community and its concerns, ADEQ conducted interviews with community and CAB members who live or work near the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites. As an update to the original interviews conducted in 2017, ADEQ conducted an online survey in 2021 to assess current concerns about the Sites. The following sections summarize common concerns related to the Sites along with suggestions for ADEQ outreach activities. ADEQ will use this community feedback to ensure that future outreach addresses community concerns and to determine effective communication methods.

Community Interview Summary

Stone Avenue and Grant Road

In 2017, ADEQ sent a mass mailing to solicit input from community members. Fifteen individuals responded, including nine CAB member applications. Twelve respondents were contacted and nine were interviewed. In 2021, there were no responses to the online survey for the Stone Avenue and Grant Road WQARF Site.

Environmental and health concerns

In the original sampling, interviewees lived within two blocks to two miles from the Stone Avenue and Grant Road WQARF Site. Some individuals had lived and/or worked within the area for less than six months, while others lived and/or worked there for over fifty years. Some interviewees believed that a majority of people in the area were not aware of the contaminants associated with the Site. Many interviewees voiced concern about the health effects, especially cancer, associated with the contamination at the Site. Some interviewees were concerned about the contamination's effect on drinking water wells. One interviewee specifically expressed concern about drinking water contaminated with PCE and its effect on children and the elderly. Other major concerns and questions included:

- What impact does the contamination have on the wells in the area?
- Are there contaminants in soil?
- Concerns about the contamination being at the Site for several years before receiving information.
- Concerns related to the water and water quality.
- What chemicals are in the area and are there health risks?
- How long will it take to conduct the cleanup?

7th Street and Arizona Avenue and Park-Euclid

In 2021, there were 6 responses to the online survey. Two-thirds of the respondents worked in or around either the 7th Street and Arizona Avenue or Park-Euclid Sites. In both 2017 and 2021, all respondents were either very or somewhat familiar with the Sites and most of them understood the contaminants and history of the Sites.

Environmental and health concerns

During the first interviews, remedial work at the 7th Street and Arizona Avenue WQARF Site was in the early stages and ADEQ had installed a series of monitoring and sentinel wells to track the movement of the groundwater plume. At that time, interviewees focused on three primary concerns:

- 1) The Park-Euclid plume headed toward groundwater wells at the University of Arizona campus.
- 2) The slow cleanup process at both Sites and a lack of “aggressive” planning on behalf of ADEQ.
- 3) The possible contamination that could result from the air stripping process at the Park-Euclid Site.

At that time, interviewees did not feel that the community knew what was happening. However, in 2021, survey responses indicated that ADEQ was doing a good job of communicating with the public and respondents had more understanding of the Sites.

Specific environmental and health concerns expressed by survey respondents in 2021 included the following:

- What are the effects of the contaminants in the Park-Euclid WQARF Site on the aquifer?
- For both the 7th Street and Arizona Avenue and Park-Euclid WQARF Sites, what are the effects of vapor intrusion?
- Will future highway projects downtown have any effect on the 7th Street and Arizona Avenue Site?
- Where does the Park-Euclid Group plan to install additional monitoring wells to monitor the movement of the plume and protect the regional aquifer?

Almost all of the respondents wanted to know about the overall remedy for the Sites. The slow pace and lack of funding for the project was a concern in 2017, but not in 2021.

Outreach Recommendation

Survey respondents and interviewees from both 2017 and 2021 suggested the following community outreach and involvement strategies to ADEQ:

Sharing Site information:

- A community member stated the need for ADEQ to engage the community through partnering with downtown business and neighborhood associations.
- One interviewee stated there was lack of community information and, thus, was glad to be asked to submit the online survey. However, the interviewee expressed concern that communication was primarily via email which limits communication with older citizens.
- Many of the respondents stated that the current electronic and U.S. mail communication methods in place by ADEQ were the best methods to updates on the share 7th Street and Arizona and Park-Euclid WQARF Sites. Several also suggested public meetings (formal and informal) would be preferred ways to learn about the Sites. Newspaper and social media were also strongly suggested ways to share information. Door to door fliers were also suggested.
- The Site repository has been placed online as suggested in 2017.

Community Involvement Action Plan

The Community Involvement Action Summary table for the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites describes the required community involvement activities for each WQARF phase and notes the date of completed activities. This summary is followed by a description of ADEQ communication techniques to share Site information and implement required activities.

Community Involvement Action Summary - Required Activities

The following table describes the required community involvement actions for the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites and notes which actions have been completed to date.

Community Involvement Action Summary						
WQARF Phase	ADEQ Community Involvement Activity	Statute (A.R.S.) and Rule (A.A.C) References	Activity to Date	Complete		
				Stone Avenue and Grant Road	7 th Street and Arizona Avenue	Park-Euclid
Preliminary Investigation	Provide owners and operators a copy of the Draft WQARF Site Registry Report for a 15-day comment period prior to publishing a notice in a newspaper announcing the availability of the Draft WQARF Site Registry Report for a 30-day public comment period.	A.R.S. § 49-287.01(C) A.R.S. § 49-289.03(A)(1)	Mailing to owners and operators: - 7 th Street and Arizona Avenue, April 2000* - Park-Euclid, January 1999 Public notice published in The Daily Territorial: - Stone Avenue and Grant Road, November 2016 Public notice published in the Arizona Daily Star - 7 th Street and Arizona Avenue, April 2000* - Park-Euclid, March 1999	✓		
WQARF Registry Listing	Following the listing of a site on the WQARF Registry, ADEQ will: <ul style="list-style-type: none"> Establish a preliminary community involvement area (see Chapter 2, Section A) within 90 days of site listing on the WQARF Registry. Provide written notice to the community on hazardous substance contamination in the area, the actual and potential risks and routes of exposure, possible health effects, and the opportunity to join the site mailing list. Identify ADEQ personnel to contact for further information. 	A.R.S. § 49-289.02	Notice and development of a CIA: - Stone Avenue and Grant Road, March 2017 - 7 th Street and Arizona Avenue, Spring 2013* - Park-Euclid, December 1999	✓		
	Develop a Community Involvement Plan that establishes a Community Advisory Board, designates a spokesperson, provides for newsletters with current information about the status of remedial actions at the site, establishes a public document repository location and provides for schedules of Community Advisory Board meetings and public meetings. Update the Community Involvement Plan at least every 2 years.	A.R.S. § 49-287.03(D) A.R.S. § 49-289.03(B) A.R.S. § 49-289.03(C) A.A.C. R18-16-404(C)(1)(i) A.A.C. R18-16-404(C)(1)(j) A.A.C. R18-16-404(C)(1)(k) A.A.C. R18-16-404(C)(1)(o)	Stone Avenue and Grant Road - Original CIP, June 2017 - Updated CIP July 2019, 2020, 2022 7 th Street and Arizona Avenue - First CIP combined with Park-Euclid, May 2016 - Updated CIP July 2019, 2020, 2022 Park-Euclid - Original CIP, Spring 2000* - Updated CIP, Sept 2004, 2014 July 2019, 2020, 2022	✓		
Early Response Action	A work plan shall be prepared for each Early Response Action that will include a description of work to be done, known site conditions, a plan for conducting the work; a description of community involvement activities for the Early Response Action under R18- 16-404; and a schedule. Community involvement activities may include development of a community involvement plan under A.A.C. R18-16-404(C) or community involvement activities appropriate to the scope and schedule of the work performed such as a general public notice to those who may be impacted by field work as indicated in A.A.C. R18-16-404(D)(2). If immediate action is necessary to address a current risk to public health or the environment, to protect a source of water, or to provide a supply of water, the work plan and written rationale may be prepared and the community involvement activities may be conducted after commencement of the Early Response Action.	A.A.C. R18-16-404 A.A.C. R18-16-405(D)(2) A.A.C. R-18-16-405(E) A.A.C. R18-16-405(G)	Stone Avenue and Grant Road - Early Response Activities, Spring 2017 7 th Street and Arizona Avenue - Well installation notices to businesses surrounding Oliver’s Cleaners, December 2005 - Groundwater sampling notices to businesses surrounding Oliver’s Cleaners, January 2005 Park-Euclid - Early Response Activities, 1992-1994, 1999-2000, 2014-2015 - Well maintenance notices to businesses, Spring 2018, May 2019	✓		

*Dates marked with an asterisk are approximate.

Community Involvement Action Summary						
WQARF Phase	ADEQ Community Involvement Activity	Statute (A.R.S.) and Rule (A.A.C) References	Activity to Date	Complete		
				Stone Avenue and Grant Road	7 th Street and Arizona Avenue	Park-Euclid
Remedial Investigation ⁴	Provide notice to interested parties announcing the availability of the Remedial Investigation Scope of Work or Work Plan, Fact Sheet, and Community Involvement Plan outline for review and a 30-day public comment period. Provide notice indicating that any person by written agreement with ADEQ may develop and implement a work plan for the Remedial Investigation and Feasibility Study and solicit information regarding the current and future land and water uses at the site. ² These notices shall also provide an opportunity to request a public meeting.	A.R.S. § 49-287.03(B) A.R.S. § 49-287.03(C) A.A.C. R18-16-301(C) A.A.C. R18-16-403(F) A.A.C. R18-16-403(G) A.A.C. R18-16-404(C)(1)(a) A.A.C. R18-16-406(B) A.A.C. R18-16-406(D)	Stone Avenue and Grant Road, June 2017 Combined Notices - 7 th Street and Arizona Avenue, March 2013 - Park-Euclid, May 2004	✓		
	Establish a selection committee to choose Community Advisory Board members for the site. The selection committee shall consist of the following members: <ul style="list-style-type: none"> • ADEQ: 1 • Potentially Responsible Party: 1 • Local Official: 1 • Community Member: 2 	A.R.S. § 49-289.03(D)	Selection Committee: <ul style="list-style-type: none"> - Stone Avenue and Grant Road N/A due to merging with the Park-Euclid/7th Street and Arizona Avenue CAB, March 2017 - 7th Street and Arizona Avenue N/A merged with Park-Euclid CAB, November 2013 - Park-Euclid, September 1999 	✓		
	Establish a Community Advisory Board with 5 to 20 members that represent a diversified cross section of the community. Within 90 days of appointment by the Community Advisory Board selection committee, the Community Advisory Board shall elect co-chairpersons and develop a charter defining operating procedures, membership terms and obligations, goals for developing issues, concerns and opportunities related to quick cleanup of the site and any other anticipated activities for identifying and improving the public's access and understanding of information regarding the remediation process at the site.	A.R.S. § 49-289.03(C) A.R.S. § 49-289.03 (E) A.R.S. § 49-289.03(F)	CAB established <ul style="list-style-type: none"> - Stone Avenue and Grant Road combined with Park-Euclid/7th Street and Arizona Avenue CAB, March 2017 - 7th Street and Arizona Avenue merged with Park-Euclid CAB, November 2013 - Park Euclid, March 2000 	✓		
	Publish a combined ³ public notice announcing the availability of the Draft Remedial Investigation Report for review and a minimum 30-day public comment period and the date of a public meeting to solicit Remedial Objectives for the site. The public meeting shall be held not less than 45 calendar days and not more than 90 calendar days after release of the Draft Remedial Investigation report, unless ADEQ sets a different date for good cause. The Draft Remedial Investigation Report should be provided to the Community Advisory Board, interested local government agencies, affected water providers and the Department of Water Resources.	A.A.C. R18-16-301(C) A.A.C. R18-16-404(C)(1)(b) A.A.C. R18-16-406(F) A.A.C. R18-16-406(I)(1) A.A.C. R18-16-406(I)(2)	Public notice and comment: <ul style="list-style-type: none"> - Stone Avenue and Grant Road, September 2019 - 7th Street and Arizona Avenue, May 2013 - Park Euclid, July 2004 Public meetings: <ul style="list-style-type: none"> - 7th Street and Arizona Avenue, May 2013 - Park-Euclid, September 2004 - Stone Avenue and Grant Road N/A 	✓		
	Publish a public notice of the availability of the Final Remedial Investigation Report, which shall contain the results of site characterization and the final Remedial Objectives Report. The final Remedial Investigation report shall be accompanied by responsiveness summaries regarding comments, issues and concerns raised in the community involvement process and, if the report is prepared by a per ² son other than ADEQ, copies of the comments received.	A.A.C. R18-16-301(C) A.A.C. R18-16-404(C)(1)(c) A.A.C. R18-16-406(I)(5) A.A.C. R18-16-406(J)	Proposed Remedial Objectives Report public notice and comment: <ul style="list-style-type: none"> - 7th Street and Arizona Avenue, March 2014 - Park-Euclid, June 2006 - Stone Avenue and Grant Road, N/A Final Remedial Investigation Report public notice: <ul style="list-style-type: none"> - 7th Street and Arizona Avenue, April 2014 - Stone Avenue and Grant Road, November 2019 - Park-Euclid, November 2011* 	✓		

²Data collected from land and water use studies will be incorporated into the Remedial Investigation and/or Remedial Objectives report per A.A.C. R18-16-406 (D)-(I)

³If not combined, separate public notices will be provided for the Draft Remedial Investigation comment period and the Remedial Objectives solicitation and public meeting.

Community Involvement Action Summary						
WQARF Phase	ADEQ Community Involvement Activity	Statute (A.R.S.) and Rule (A.A.C) References	Activity to Date	Complete		
				Stone Avenue and Grant Road	7 th Street and Arizona Avenue	Park-Euclid
Feasibility Study	Provide notice to interested parties announcing the availability of the Feasibility Study Work Plan* *Although not mandated, ADEQ will also provide public notice upon completion of the Feasibility Study.	A.A.C. R18-16-404(C)(1)(d) A.A.C. R18-16-407(B)	Feasibility Study Work Plan public notice: - Stone Avenue and Grant Road, November 2019 - 7 th Street and Arizona Avenue, March 2014 - Park-Euclid, May 2013 Feasibility Study public notice: - Stone Avenue and Grant Road, February 2020 - 7 th Street and Arizona Avenue, May 2014 - Park-Euclid, May 2017	✓		
Proposed Remedial Action Plan	Publish a public notice announcing the availability of the Proposed Remedial Action Plan for a 90-day public comment period. (If not combined, separate public notices will be provided for the Draft Remedial Investigation/comment period and the Remedial Objectives solicitation and public meeting.) Mail the same notice(s) to interested parties. The notice(s) will describe the proposed remedy and its estimated cost, and identify where the Proposed Remedial Action Plan, Remedial Investigation and Feasibility Study Reports may be inspected.	A.R.S. § 49-287.04(B) A.R.S. § 49-289.03(A)(2) A.A.C. R18-16-301(C) A.A.C. R18-16-404(C)(1)(e) A.A.C. R18-16-408(A)	Proposed Remedial Action Plan public notice and comment: - Stone Avenue and Grant Road, March 2020 - 7 th Street and Arizona Avenue, May 2014, February 2020 - Park-Euclid, June 2020	✓		
Record of Decision	Publish a public notice announcing the availability of the Record of Decision and Responsiveness Summary for review.	A.R.S. § 49-287.04(G) A.A.C. R18-16-404(C)(1)(f) A.A.C. R18-16-410	Record of Decision public notice: - Stone Avenue and Grant Road, July 2020 - 7 th Street and Arizona Avenue, July 2020 - Park-Euclid, July 2021	✓		
Implementation of Remedy (Remedial Actions)	Publish a public notice announcing a request for ADEQ to approve remedial actions at the site. The notice will provide the opportunity for a 30-day public comment period.	A.A.C. R18-16-301(C) A.A.C. R18-16-404(C)(1)(h) A.A.C. R18-16-413	Approval of Remedial Actions and Cost Credit public notice: -Park-Euclid, April 2021			✓
	Provide notice to the public and interested parties of a request for ADEQ to waive a regulatory requirement (permit) to complete remedial actions.	A.R.S. § 49-290 A.A.C. R18-16-404(C)(1)(l)				
	Provide notice to the public that fieldwork conducted to remove contaminants of concern may result in noise, light, odor, dust, or other adverse impacts.	A.A.C. R18-16-404(C)(1)(m)				
	Provide notice to the public of a request for ADEQ to determine whether each of the Remedial Objectives for a site have been satisfied and will continue to be satisfied. The notice will provide the opportunity for a 30-day public comment period on the request.	A.A.C. R18-16-301(C) A.A.C. R18-16-404(C)(1)(n) A.A.C. R18-16-4-16(B)				
Operation & Maintenance	Publish a public notice announcing the availability of the Operation & Maintenance Plan for review and a 30-day public comment period. Mail the same notice to interested parties.	A.A.C. R18-16-301(C) A.A.C. R18-16-404(C)(1)(g) A.A.C. R18-16-411(E)				

Community Involvement Action Summary						
WQARF Phase	ADEQ Community Involvement Activity	Statute (A.R.S.) and Rule (A.A.C) References	Activity to Date	Complete		
				Stone Avenue and Grant Road	7 th Street and Arizona Avenue	Park-Euclid
Removal from WQARF Registry	Although not mandated by Arizona Statute or administrative code, ADEQ may publish a public notice upon the removal of the site from the WQARF Registry.	Not Applicable				
Any Phase	Publish a public notice announcing a request to ADEQ for a prospective purchaser agreement. The notice will provide the opportunity for a 30-day public comment period.	A.R.S. § 49-289.03(A)(3) A.A.C. R18-16-301(C)	No prospective purchaser agreements submitted to date.			
	Publish a public notice announcing the intention of ADEQ to enter into a settlement agreement with a responsible party. The notice will provide the opportunity for a 30-day public comment period.	A.R.S. § 49-289.03(A)(4) A.A.C. R18-16-301(C)	Two parties entered into Administrative Settlement Agreements with ADEQ in 2021.			✓

Community Involvement Techniques

This section describes the specific activities and resources that ADEQ uses to communicate and engage with stakeholders and community members near the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites.

ADEQ uses the following community involvement techniques:

1. CAB: The CAB, with assistance from ADEQ, has been conducting public meetings about the Park-Euclid WQARF Site since 2000. The 7th Street and Arizona Avenue WQARF Site joined with this CAB in 2016. The Stone Avenue and Grant Road WQARF Site was then added to this CAB in 2017. The CAB advises ADEQ on sharing Site information and provides input on content. CAB members serve as an information resource for their community. Per Arizona Revised Statutes § 49-289.03, CAB meetings are open to the public and held at easily accessible locations. CAB meetings will be held to receive site briefings, progress reports, and other pertinent information in response to site activities or a request from a community advisory board member or a city, town or county in which the site is located. CAB meetings may be held virtually if requested. A list of current CAB members can be found in Appendix E.
2. Local Print Media: ADEQ will publish all WQARF milestone public notices in *The Daily Territorial*. The Arizona Newspaper Association maintains a database of all public notices published in major Arizona newspapers (arizonapublicnotices.com). For a list of other media outlets, see Appendix F.
3. U.S. Mail and Email Lists: ADEQ created U.S. Mail and email address lists to share updates on the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites. Anyone can join the Site mailing list by contacting the ADEQ Community Involvement Coordinator or registering on GovDelivery (public.govdelivery.com/accounts/AZDEQ/subscriber/new).
4. ADEQ Website: ADEQ's website provides visitors with three areas of information related to the Site and is updated regularly:
 - Notices Page: contains WQARF site public notices and announces comment periods (azdeq.gov/notices).
 - Events Page: includes information on WQARF site public meetings, including CAB meetings (azdeq.gov/events).

- Site Information Pages: provide detailed site information and links to the site information repository (azdeq.gov/stone-grant, azdeq.gov/7th-arizona and azdeq.gov/park-euclid).
5. ADEQ Notice Board: Notices are displayed on boards located in ADEQ's Phoenix and Tucson offices.
 6. Public Meetings: In addition to CAB meetings, ADEQ may schedule public meetings or open houses as needed or requested. Examples include meetings with neighborhood/homeowner's associations, schools, or other community groups.
 7. Site Tours: The public may request site tours through the ADEQ Community Involvement Coordinator. Tours will be arranged in conjunction with the property owners and in compliance with current regulations.

ADEQ takes reasonable measures to provide access to community involvement activities to individuals with limited English proficiency and/or to those with disabilities. The community can request language interpretation, American Sign Language (ASL) interpretation, Communication Access Realtime Translation (CART) captioning services, or disability accommodations through the ADEQ Title VI Nondiscrimination Coordinator (602-771-2288 or Drago.Leonard@azdeq.gov).

The following table of Communication Techniques illustrates how these techniques have and will be used throughout the WQARF process for the Stone Avenue and Grant Road, 7th Street, and Arizona Avenue, and Park-Euclid WQARF Sites.

Communication Techniques							
Communication Deliverable			Communication Recipients/Methods				
Type	Why	When	CAB Members	Interested Parties List	ADEQ Website	Local Print Media	ADEQ Notice Board
Notice	Provide notice of availability of milestone documents, request comments and solicit input.	Per mandate (See Community Involvement Action table).	✓	✓	✓ (site and calendar pages)	✓ (The Daily Territorial)	✓
CAB or Public Meeting Notice/Agenda	Provide two-way communication about the status of site activities. The notice announces the meeting and provides the agenda.	Variable schedule based on level of site activity as scheduled by CAB and ADEQ, with the exception of the required public meeting for the solicitation of remedial objectives (see Community Involvement Action table).	✓	✓	✓ (site, calendar and CAB history pages)	Not Applicable	✓
Technical Presentation	Provide current information about site activity or related topics.	At CAB meetings or at specially requested public meetings.	✓	Not Applicable	✓ (site page)	Not Applicable	Not Applicable
Technical Milestone Document	Provide current technical information about site investigation/remediation activities (e.g., Remedial Investigation, Feasibility Study, etc.)	According to the WQARF Process as documents are developed and become available.	✓	Not Applicable	✓ (information repository)	Not Applicable	Not Applicable
Site Fact Sheet	Provide current information about the site activity.	Published at the start of the Remedial Investigation and at specific milestones or other times as deemed appropriate by ADEQ and the CAB.	✓	✓	✓ (information repository)	Not Applicable	Not Applicable

Communication Techniques

Communications Deliverable			Communications Recipients/Methods				
Type	Why	When	CAB Members	Interested Parties List	ADEQ Website	Local Print Media	ADEQ Notice Board
Public Meeting to solicit Remedial Objectives	Provide forum to solicit Remedial Objectives. (Note that this meeting may be conducted in conjunction with a CAB meeting.)	After release of Draft Remedial Investigation Report.	✓	✓	✓ (site and calendar pages)	✓ (The Daily Territorial)	✓
Public notice announcing a prospective purchaser agreement	Provide notice of availability and request comments.	Per mandate (see Community Involvement Action table).	✓	✓	✓ (online information repository)	✓ (Newspaper of general circulation in Pima County)	Not Applicable
Public notice announcing settlement agreement with a responsible party.	Provide notice of availability and request comments.	Per mandate (see Community Involvement Action table).	✓	✓	✓ (online information repository)	✓ (Newspaper of general circulation in Pima County)	Not Applicable
Site Tour	Provide walking or driving tour of the site to observe current site conditions and the surrounding community and environment.	If requested, and with cooperation of current property owners.	Contact ADEQ Community Involvement Coordinator.				

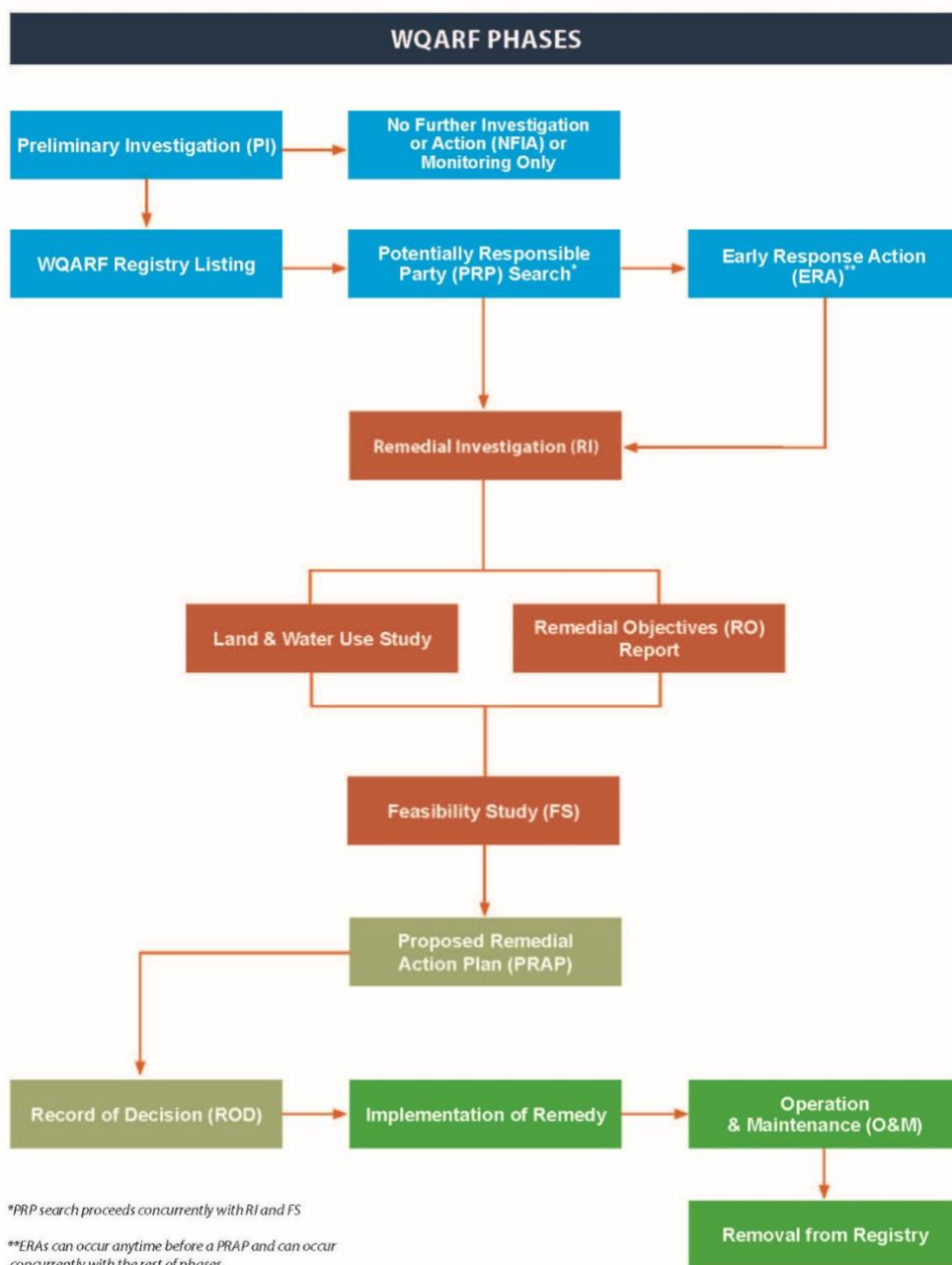
APPENDICES

The following appendices provide additional resources to support community involvement for the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites:

- Appendix A: WQARF process flowchart
- Appendix B: History of major activities at the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites.
- Appendix C: Targeted communities in the CIAs of the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites.
- Appendix D: Elected officials representing communities within the CIAs.
- Appendix E: Current CAB members of the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites.
- Appendix F: Local media outlets in the area.
- Appendix G: Related state and local agencies.
- Appendix H: Prospective purchaser agreements for property in and around the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites.
- Appendix I: Consent orders and settlements related to the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites.

Appendix A

WQARF Process Chart



Appendix B

Site Histories

Stone Avenue and Grant Road

1946	A dry-cleaning facility began operating at the Site, using PCE as a solvent.
1960	An additional, potential source operated west of the Site from 1960 until 2000.
1963	A gas explosion occurred at the potential source property, destroying the building. Natural gas and dry-cleaning solvents containing PCE were released. Dry-cleaning operations resumed after the facility was rebuilt.
2005	PCE was detected in the regional aquifer in a domestic well at the Sleepy Hollow Mobile Home Park, approximately 0.6 miles from the Stone Avenue and Grant Road WQARF Site. The water sample contained 2.8 micrograms per liter (µg/L) of PCE.
2014	The City of Tucson conducted soil and soil-gas sampling at the Site. PCE was detected in all four sub-slab soil-gas samples ranging from 22,000 to 450,000 micrograms per meter cubed. Among 11 soil samples from four soil borings, PCE was not detected above laboratory detection limits.
2015	ADEQ began a PI of the Stone Avenue and Grant Road area. PCE and TCE were found in groundwater at a leaking underground storage tank Site directly north of the Stone Avenue and Grant Road WQARF Site at concentrations of 515 µg/L and 5.73 µg/L, respectively.
2016	ADEQ completed the PI for the Site.
2017	The Site was listed on the WQARF Registry on January 20, 2017, with an E&E score of 45 out of 120. The RI and an ERA that utilizes SVE began in November 2017.
2018	Soil-gas and groundwater investigations were conducted as part of the RI.
2019	The RI was released in November 2019 and the FS began.
2020-2021	The FS and PRAP reports were completed in February and released in February and March, respectively. The ROD was signed in June and released in July.
2021	The Final Remedy was implemented at the Site and is ongoing.

7th Street and Arizona Avenue

- 1957 – 1989 Dry-cleaning businesses operated on the property at 300 East 7th Street. PCE used in the dry-cleaning process was stored in underground storage tanks. The building on the property was destroyed by fire in 1989.
- 1991 Seven underground storage tanks (five solvent tanks, and two heating/waste oil tanks) were removed from the property at 300 East 7th Street in Tucson, Arizona.
- 1992 An assessment of soil and groundwater beneath the Site was conducted. Soils near the heating and waste oil tanks were found to contain petroleum hydrocarbons. Analysis of a groundwater sample from a water supply well on the Site revealed the presence of PCE and TCE in the regional aquifer underlying the Site.
- 2000 The Site was placed on the WQARF Registry with an E&E score of 40 out of a possible 120.
- 2003 A report of findings and recommendations for a potential ERA was completed. Investigations showed that while a release of PCE and possible TCE had occurred at the 300 East 7th Street property, there appeared to be no route for human exposure.
- 2005 ADEQ groundwater monitoring indicated elevated concentrations of PCE and TCE in the surrounding perched groundwater. No contamination above regulatory standards was detected in the regional aquifer.
- 2006 ADEQ started an SVE system at the former Oliver's Cleaners located at 300 East 7th Street.
- 2007 In February, three monitoring wells were installed to further investigate the extent of PCE and TCE contamination. In October, a pilot test was conducted to evaluate the feasibility of air sparging as a remedial method.
- 2009 In June, the SVE system was turned off after reaching appropriate cleanup criteria. From June 2006 through June 2009, the SVE system removed approximately 770 pounds of VOCs. Perched well locations were investigated to define the farthest limits of the contaminant plume and to determine limits of the perched aquifer. In late 2009, all work at this Site was temporarily suspended due to funding issues.
- 2011 Five nested soil gas probes and two groundwater monitoring wells were sampled for soil gas. No SRLs were exceeded for the contaminants of concern.

2012	In May, groundwater samples were collected from 28 wells and soil vapor samples were collected from 19 wells across the entire WQARF Site. In October and November, one new well (each) was installed in the perched and regional aquifers.
2014	The final RI, FS, and PRAP were completed in the spring.
2015	A second source property, the former dry-cleaning facility at 847 North Stone Avenue, was added to the Site.
2017 – 2019	An SVE system was implemented at 847 North Stone Avenue as an ERA for the second source. Site data gaps were addressed with the purpose of revising the FS to include the consideration of the 847 North Stone Avenue contaminant source.
2020	An addendum to the 2014 PRAP was published in February to select the remedy for the second source property. ADEQ signed the ROD for the Site in June.
2021-2022	SVE operations continue at the northern Stone Avenue source property. Annual groundwater monitoring events continue to measure the PCE plume across the Site.

Park-Euclid

- 1990 While ADEQ was investigating diesel contamination in the area, a groundwater sample was collected from a well near 301 South Park Avenue. Analysis indicated the well was contaminated with diesel product and VOCs, including PCE, TCE, and 1,2-dichloroethene.
- 1992 – 1994 Mission Linen conducted investigations at the Site. Two production wells at the Site were abandoned and destroyed to prevent further contamination of the soil and groundwater and hydraulic connections between the perched and regional aquifers.
- 1998 The EPA conducted a Preliminary Site Assessment/Site Inspection at the Site.
- 1999 ADEQ placed the Site on the WQARF Registry with an E&E score of 51 out of 120. In October, ADEQ initiated a RI and began sampling two University of Arizona water supply wells downgradient from the Site.
- 2000 In February, EPA informally delegated responsibility for the Site to ADEQ through the RI/FS stages. Mission Linen completed the installation of an SVE system beneath the 301 South Park Avenue facility. The pilot SVE system operated from June 2000 to August 2003 and removed approximately 6,000 pounds of PCE. Monthly groundwater monitoring from August to December revealed no PCE contamination above the AWQS in the University of Arizona's water supply wells.
- 2001 ADEQ installed twelve groundwater monitor wells to further characterize VOC and diesel contamination in the two aquifers underlying the Site.
- 2002 – 2003 ADEQ installed an additional eight groundwater and three soil vapor monitor wells from May 2002 to February 2003. In February 2003, ADEQ conducted Site investigation activities that focused on the sewer near the Mission Linen property.
- 2004 ADEQ released the Draft RI report in July. Mission Linen expanded the pilot SVE system and continued remediation of the shallow soils beneath the facility. The existing SVE system removed an additional 420 pounds of PCE from the shallow soils.
- 2006 In August, ADEQ completed the RO Report. The ROs for land use beneath Mission Linen are to restore soil conditions to the state's nonresidential SRLs. The RO for drinking water use of the groundwater from the regional aquifer is to protect the University of Arizona and the City of Tucson groundwater supplies from contamination from the Site.

2008	Mission Linen completed construction of the MPE system to remediate contaminants in the perched aquifer and upper vadose zone. The MPE system began operation in April. ADEQ installed a sentinel well to monitor a deeper portion of the regional aquifer near the University of Arizona production wells.
2009	Mission Linen operated the MPE system at the facility until June. The system removed approximately 1,396 pounds of VOCs and 750 gallons of diesel-free product during the pilot phase and also treated 38,851 gallons of groundwater.
2010	The responsible parties at the Site signed an agreement to form the Park-Euclid Group to manage and fund remediation activities at the Site.
2011	The MPE system restarted in October. ADEQ released the Final RI Report in November.
2012	The MPE system treated 8,565 gallons of water and removed a total mass of 542 pounds of VOCs through March. Groundwater sampling continued.
2013	The MPE system restarted and ran continuously through February, after which it ran intermittently due to maintenance and overheating issues. The MPE system removed approximately 400 pounds of VOCs and 1,700 gallons of diesel-free product through June.
2014	The Park-Euclid Group provided ADEQ with technical reports on groundwater modeling for the FS and SVE testing for the lower vadose zone. The Park-Euclid Group also obtained access to install a regional groundwater monitor well to further characterize the “toe” of the plume and for a shallow soil-gas migration pathway risk assessment.
2017	The final FS report was released to the public in November.
2020	The Park-Euclid Group finalized the PRAP report; ADEQ released the report for public comment in June.
2021 – 2022	The ROD was issued in July 2021. The remedy is being implemented in accordance with the ROD.

Appendix C

Targeted Communities

Neighborhood Associations

Stone Avenue and Grant Road

Balboa Heights

No phone number provided

Jane Baker; J3149@aol.com

Coronado Heights Neighborhood

520-276-5322

coronadoheightsneighborhood@gmail.com

www.facebook.com/CoronadoHeightsNeighborhoodAssociationTucsonAz

El Cortez Heights

No phone number provided

elcortezhgts@gmail.com

elcortezheights.org

Keeling Neighborhood

520-792-1592

Jane Evans; jre@lithops.com

keelingneighborhood.wordpress.com

Miracle Manor Neighborhood

520-850-1984

P.O. Box 78162, Tucson AZ 85703

www.neighborhoodlink.com/Miracle_Manor

7th Street and Arizona Avenue and Park-Euclid

Barrio San Antonio Neighborhood Association Matthew Bautista; gradyzeroone@gmail.com	520-661-3839
Dunbar Spring Neighborhood Association Faffs Riederer; Faffs.riederer@gmail.com dunbarspring.org	520-425-5626
El Presidio Neighborhood Association Bob Freitas; bobf@sundialenergy.com www.facebook.com/elpresidioneighborhood	520-256-2444
Feldman's Neighborhood Association Logan Havens; loganhavens@gmail.com www.feldmansaz.org	213-800-4529
Iron Horse Neighborhood Association ironhorsetucson.com	No phone number provided
Miles Neighborhood Association Kate Green; kateggreen1@gmail.com	210-685-6930
Millville Neighborhood Association 1015 S Park Ave, Tucson, AZ 85719	520-622-5811
Pie Allen Neighborhood Association Nancy Robins; nbrbns@aol.com www.neighborhoodlink.com/Pie_Allen/info	520-623-5632
Rincon Heights Neighborhood Association Lee Marsh; RLMARSH85@gmail.com www.rinconheights.com	520-282-3649
West University Neighborhood Association P.O. Box 42825, Tucson, AZ 85733 westuniversityneighborhood.org	520-261-8922

Schools

Amphitheater Public Schools District Office 701 West Wetmore Road, Tucson, AZ 85705 www.amphi.com	520-696-5000
E.C. Nash Elementary School 515 West Kelso Street, Tucson, AZ 85705 www.amphi.com/nash	520-696-6440
Ha:san Preparatory and Leadership School 1333 East 10 th Street, Tucson, AZ 85719 www.hasanprep.org	520-882-8826
Miles School/Miles Exploratory Learning Center 1400 East Broadway Boulevard, Tucson, AZ 85719 milesk8.tusd1.org	520-225-2200
Mansfield Middle Magnet School 1300 East 6 th Street, Tucson, AZ 85709 mansfeldms.tusd1.org	520-225-1800
Pima Community College- Downtown Campus 1255 North Stone Avenue, Tucson AZ 85709 www.pima.edu/about-pima/locations/downtown/index.html	520-206-4500
Pima Partnership Academy and High School 1346 North Stone Avenue, Tucson, AZ 85705 www.partnershipschools.us	520-326-2528
The Montessori Schoolhouse 1127 North 6 th Avenue, Tucson, AZ 85705 www.themontessorischoolhouse.com	520-622-8500
Project MORE High School 440 South Park Avenue, Tucson, AZ 85719 morehs.tusd1.org	520-225-2600

Tucson International Academy

520-623-3448

1230 East Broadway Boulevard, Tucson, AZ 85719

tucsoninternationalacademy.com/k-12-charter-schools-tucson/charter-school-campuses/tucson-international-academy/

Tucson Unified School District Main Office

520-225-6000

1010 East 10th Street, Tucson, AZ 85705

central.tusd1.org

Vulnerable Population Centers

The Apple Tree Learning Centers 1010 East Broadway Boulevard, Tucson, AZ 85719 theappletreelarningcenters.com	520-882-3816
Jacinto Park Head Start (Child-Parent Centers, Inc.) 701 West Tipton Drive, Tucson, AZ 85705	520-624-7843
Northwest Head Start Center (Child-Parent Centers, Inc.) 2160 North 6 th Avenue, Tucson, AZ 85705	520-884-8180
Oasis at El Corral Assisted Living Center 2721 North Oracle Road, Tucson, AZ 85705	520-624-1771
Small Marvels 1403 East Broadway Boulevard, Tucson, AZ 85719	520-440-3527
Wings on Words Preschool/The Child Language Center 202 East Speedway Boulevard, Tucson, AZ 85705 clctucson.org	520-628-1659

Appendix D

Elected Officials

As of the publication of this community involvement plan, the community involvement area for the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites falls under four Tucson City Wards (1, 3, 5, and 6), three County Districts (2, 3, and 5) and Arizona Legislature District 3.

Tucson City Council	Pima County Board of Supervisors	State Representatives	State Senator
City Hall 255 W. Alameda St. 10 th Floor Tucson, AZ 85701 (520)791-4213 www.tucsonaz.gov	130 W. Congress St. 11 th Floor Tucson, AZ 85701 520-724-8449 webcms.pima.gov/government /board of supervisors	1700 W. Washington St Phoenix, AZ 85007 azleg.gov/memberroster/	1700 W. Washington St Phoenix, AZ 85007 azleg.gov/memberroster/
Mayor Regina Romero 520-791-4201 Mayor.Romero@tucsonaz.gov	District 2 Supervisor Matt Heinz 520-724-8126 District2@pima.gov	District 3 Representative Andres Cano Room 332 602-926-3027 acano@azleg.gov	District 3 Senator Sally Ann Gonzales Room 314 602-926-3278 agonzales@azleg.gov
City Manager Michael Ortega 520-791-4204 citymanager@tucsonaz.gov	District 3 Supervisor Sharon Bronson 520-724-8051 District3@pima.gov	District 3 Representative Alma Hernandez Room 122 602-926-3136 ahernandez@azleg.gov	
Ward 1 City Council Member Lane Santa Cruz 520-791-4040 Ward1@tucsonaz.gov	District 5 Supervisor Adelita Grijalva 520-724-8136 District5@pima.gov		
Ward 3 City Council Member Kevin Dahl 520-791-4711 Ward3@tucsonaz.gov			
Ward 5 City Council Member Richard Fimbres 520-791-4231 Ward5@tucsonaz.gov			
Ward 6 City Council Member Steve Kozachik 520-791-4601 Ward6@tucsonaz.gov			

Appendix E

Community Advisory Board

The Park-Euclid WQARF Site Community Advisory Board was established in 2000. The 7th Street and Arizona Avenue WQARF Site was added to this CAB in 2016 and the Stone Avenue and Grant Road WQARF Site was added in 2017. The following table lists the Community Advisory Board (CAB) members of the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites as of August 2022.

Community Advisory Board Members	
Bill Richards (Co-Chair) Brichard003@earthlink.net	Jacky Turchick (Co-Chair) seedling@theriver.com
Keith Bagwell Kbagwell50@gmail.com	Katie Bolger katiebolger@yahoo.com
Richard Byrd byrdnest@flash.net	William Ellett wjellett@msn.com
Diana Lett rostrha@gmail.com	Jonathan Salvatierra Jetsled54@gmail.com
Menachem Turchick mturchi@mindspring.com	Marc Verhougstraete mverhougstraete@email.arizona.edu

Appendix F

Media Outlets

The community may use any media outlets to share information on the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites. ADEQ will publish all site-related public notices in *The Daily Territorial*. All future public notices for the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites can be found by searching arizonapublicnotices.com.

Newspapers and Magazine

Arizona Daily Star	520-573-4292
PO Box 26887, Tucson, AZ 85726	
tucson.com	

The Arizona Daily Wildcat	520-621-3425
888 North Euclid Avenue, Room 131, Tucson, AZ 85721	
www.wildcat.arizona.edu	

BizTucson	520-299-1005
4729 East Sunrise Drive, Suite 505, Tucson, AZ 85718	
biztucson.com	

The Daily Territorial	520-299-1200
100 North Stone Avenue, Suite 300, Tucson, AZ 85701	
about.dailyterritorial.com	

Desert Times, Inside Tucson Business, Tucson Weekly, and Explorer Newspapers	520-797-4384
7225 North Mona Lisa Road, Suite 125, Tucson, AZ 85741	
www.tucsonlocalmedia.com/deserttimes	

Tucson Citizen⁹	No Phone Number
tucsoncitizen.com	

Desert Leaf	520-881-5188
3978 East Fort Lowell Road, Tucson, AZ 85712	
www.desertleaf.com	

⁹The *Tucson Citizen* ended its print edition in 2009, then became an online compendium for blogs until February 2014. The *Tucson Citizen* remains an archive as a community resource.

The Arizona Business Gazette and The Arizona Republic

200 East Van Buren Street, Phoenix, AZ 85004

www.azcentral.com/business

602-444-8000

Radio

Arizona Public Media (KUAT, KUAZ) PO Box 2100067, Tucson AZ 85721 www.azpm.org	520-621-1480
Cumulus Media (KCUB, KHYT, KSZR, KTUC) 575 West Roger Road, Tucson, AZ 85705 www.cumulusmedia.com	520-887-1000
KXCI Community Radio (KXCI) 220 South 4 th Avenue, Tucson, AZ 85701 kxci.org	520-209-1965
Cochise Broadcasting (KNXN) 7604 North LaCholla Boulevard, Tucson, AZ 85741	520-209-1965
Family Life Radio (KQTH) PO Box 35300, Tucson, AZ 85740 www.myflr.org	800-776-1070
Lotus Communications Corp (KTKT, KLPX, KFMA, KCMT, KMXZ, KFFN, KPLX) 3871 North Commerce Drive, Tucson AZ 85705 www.lotuscorp.com	520-407-4500
iHeartMedia Inc. (KIIM, KMIY, KNST, KOHT, KRQQ, KTZR, KYMD, KXEW) 3202 North Oracle Road, Tucson, AZ 85705 www.iheart.com	520-326-1200
Bustos Media (KVOI) 3222 South Richey Avenue, Tucson, AZ 85713 bustosmedia.com	520-790-2440

Television

KFTU-CA Channel 25 (Univision) 2301 North Forbes Boulevard, Suite 103, Tucson, AZ 85745 www.univision.com/temas/tucson	520-204-1270
KGUN Channel 9 (ABC) AND KWBA (The CW) 7280 East Rosewood Street, Tucson, AZ 85710 www.kgun9.com	520-722-5486
KHRR Channel 40 (Telemundo) 283 North Stone Avenue, Suite 101, Tucson, AZ 85701 www.telemundoarizona.com	520-396-2618
KMSB Channel 11 (Fox) 7831 North Business Park Drive, Tucson, AZ 85743	520-770-1123
KOLD Channel 13 (CBS) 7831 North Business Park Drive, Tucson, AZ 85743 www.kold.com	520-744-1313
KVOA Channel 4 (NBC) PO Box 5188, Tucson, AZ 85703 www.kvoa.com	520-792-2270
KUDF-LP Channel 14 (Azteca America Tucson) 2919 East Broadway Boulevard, Tucson, AZ 85716 aztecaamericatucson.com	520-881-0334
KTTU Channel 18 7831 North Business Park Drive, Tucson, AZ 85743	520-770-5434
KUAT/KUAS (PBS) University of Arizona, PO Box 210067, Tucson, AZ 85721 tv.azpm.org	520-621-5828
Tucson 12 (TV12) 124 East Broadway Boulevard, Tucson, AZ 85701 www.tucsonaz.gov/info/tv12	520-791-2582

Appendix G

Local and State Agencies

The following list presents additional agencies that may be used by the public to address concerns related to the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites.

State of Arizona

Department of Health Services: Environmental Health 602-542-1025
150 N 18th Ave Phoenix, AZ 85007 azdhs.gov/environmentalhealth

Department of Water Resources: Permitting and Wells 602-771-8527
1110 W Washington St, Ste 310, Phoenix, AZ 85007 new.azwater.gov/permitting-wells

City of Tucson

Housing and Community Development Department 520-791-4171
310 North Commerce Park Loop, Tucson, AZ 85745 www.tucsonaz.gov/housing-and-community-development

Environmental Services 520-791-4155
Price Service Center, 4004 South Park Ave, Bldg 1, Tucson, AZ 85714 www.tucsonaz.gov/environmental-services

Tucson Water Department 520-791-3242
310 West Alameda Street, Tucson AZ 85701 www.tucsonaz.gov/water

Other

Agency for Toxic Substances and Disease Registry – Region 9 800-232-4636
75 Hawthorne St, Ste 9410 M/S:HHS-1, San Francisco, CA 94105
atsdr.cdc.gov

Arizona Association of Realtors: Real Estate Seller Disclosures 602-248-7787
255 E Osborn Rd #200, Phoenix, AZ 85012
aaronline.com/wp-content/uploads/2017/10/Residential-Sellers-Property-Disclosure-Statement-SPDS_REV_01Oct2017.pdf

Pima County Health Department

3950 South Country Club Rd, Ste 100, Tucson, AZ 85714

520-724-7770

webcms.pima.gov/government/health_department

Tucson Association of Realtors: Real Estate Seller Disclosures

2445 North Tucson Blvd, Tucson, AZ 85716

520-327-4218

www.tucsonrealtors.org

Appendix H

Prospective Purchaser Agreements

No parties have requested or received prospective purchaser agreements from the Arizona Department of Environmental Quality for properties in or around the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites.

Appendix I

Consent Orders and Settlements

The following table presents a list of parties that have entered into Administrative Settlement Agreements with the ADEQ for properties in or around the Stone Avenue and Grant Road, 7th Street and Arizona Avenue, and Park-Euclid WQARF Sites as of July 2022.

Stone Avenue and Grant Road, 7 th Street and Arizona Avenue, and Park-Euclid WQARF Sites	Party Name	Date Settlement Signed by Judge	Public Notice Date
Park-Euclid Site	Haskell Linen Supply	09/09/2021	12/15/2021
Park-Euclid Site	Mission Linen Supply	09/09/2021	12/15/2021

Acronyms and Glossary of Terms

Air Sparging: An in-situ treatment technology that uses injected air to help remove harmful vapors from polluted soil and groundwater below the water table by injecting air directly into the saturated subsurface to encourage the solvents and gasoline to evaporate faster, which makes them easier to remove with a vacuum.

Aquifer: An underground rock formation composed of such materials as sand, soil, or gravel, that can store groundwater and supply it to wells and springs. In aquifers, groundwater occurs in sufficient quantities to be used for drinking water, irrigation, and other purposes.

Aquifer Water Quality Standards (AWQS): State of Arizona maximum levels for contaminants which apply to groundwater in aquifers designated for drinking water use. For example, the AWQS for tetrachloroethene is 5 micrograms per liter (µg/L).

Arizona Administrative Code (A.A.C.): The publication in which the official rules of the state of Arizona are published. The *Code* is the official compilation of rules that govern state agencies, boards, and commissions.

Arizona Department of Environmental Quality (ADEQ): ADEQ is the executive agency of the Arizona State Government mandated to enforce and administer the State's environmental laws and regulations.

Arizona Revised Statutes (A.R.S.): State laws adopted by the Arizona State Legislature.

Cleanup: Actions taken that deal with a release or threat of a release of hazardous substances that could adversely affect public health and/or the environment. The word "cleanup" is sometimes used interchangeably with the terms remedial action, removal action, response action, remedy, remediation, or corrective action.

Community Advisory Board (CAB): A diverse group of community members interested in or affected by the presence of a WQARF site. By statute, ADEQ is required to form a CAB for each WQARF Registry site where ADEQ is initiating a Remedial Investigation. ADEQ seeks the CAB's input in the decision-making process and works with them from the onset of the RI/FS process until the requirements of the record of decision have been fulfilled.

Community Involvement Area: The mailing area of residences and businesses used in the notification for public meetings and other written notices regarding a site.

Community Involvement Coordinator: The ADEQ employee responsible for ensuring that all statutes and rules related to the involvement of the public and public outreach at WQARF sites are upheld and complied with by ADEQ. Community Involvement Coordinators manage and coordinate the work of CABs for WQARF sites.

Community Involvement Plan (CIP): A document that identifies techniques used by ADEQ and EPA to communicate effectively with the public during the Superfund cleanup process at a specific site. This plan describes the site history, nature, and history of community involvement and concerns expressed during community interviews. In addition, the plan outlines methodologies and timing for continued interaction between the Agencies and the public at the site.

Contamination: Any hazardous or regulated substance released into the environment.

Contaminant: Any physical, chemical, biological or radiological substance or matter present in any media at concentrations that may result in adverse effects on air, water or soil. A harmful or hazardous matter introduced into the environment that is not normally found there, or not naturally occurring.

Early Response Action (ERA): Refers to a remedial action performed prior to the final remedy, and often prior to the Remedial Investigation. An ERA addresses current risks to public health, welfare, and the environment; protects or provides a supply of water; addresses sources of contamination; or controls or contains contamination where such actions are expected to reduce the scope or cost of the remedy needed at the site. Also referred to as an interim remedial action.

Eligibility and Evaluation score (E&E): ADEQ's method to prioritize sites for investigation and cleanup. The score is based on multiple criteria and does not always mean there is a current threat to health.

Environmental Protection Agency (EPA): Independent US government agency with jurisdiction over existing and under-development chemicals (such as pesticides) that affect the environment. It regulates their manufacture, processing, distribution and use, and sets tolerance levels of their presence in food and feed. EPA has wide ranging punitive powers and also screens all chemical products before their commercialization to assess their effect on health and environment.

Feasibility Study (FS): A process to identify a reference remedy and alternative remedies that appear to be capable of achieving the Remedial Objectives for the site. It is often done as part of a two-phase investigation in conjunction with a Remedial Investigation (RI/FS).

Groundwater: Water located beneath the ground surface in soil pore spaces and in the fractures of geologic formations. A formation of rock or soil is called an aquifer when it can yield a usable quantity of water.

Groundwater Model: Refers to computer models of groundwater flow systems, and are used by hydrogeologists to simulate and predict aquifer conditions. Models can be used to help summarize, interpret, and present available data; to evaluate such things as monitoring networks or alternate remedial measures; to compare and assess different hypothetical groundwater flow conditions; to help

with water management problems such as predicting changes to the water table due to human activities.

Hazardous Substance: Any material that, because of its quantity, concentration, physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment.

Information Repository: A collection of documents about a specific project. Information on certain WQARF and Superfund sites may be available at ADEQ offices and libraries throughout the state.

Monitored Natural Attenuation (MNA): Describes a range of physical and biological processes, which, unaided by deliberate human intervention, reduce the concentration, toxicity, or mobility of chemical or radioactive contaminants. These processes take place whether or not other active cleanup measures are in place.

Monitoring Well (Monitor Well): A well installed for the purpose of collecting samples such as groundwater and soil gas. Analytical results from samples are used to characterize the extent of contamination, the direction of groundwater flow, and the types and quantities of contaminants present in the groundwater.

Multi-Phase Extraction (MPE): Multi-phase extraction uses a vacuum system, which can also be combined with a downhole pump, to remove various combinations of contaminated groundwater, separate-phase petroleum product, and vapors from the subsurface.

Operation and Maintenance (O&M): 1. Activities conducted after a Superfund site action is completed to ensure that the action is effective. 2. Actions taken after construction to ensure that facilities constructed to treat waste water will be properly operated and maintained to achieve normative efficiency levels and prescribed effluent limitations in an optimum manner. 3. On-going asbestos management plan in a school or other public building, including regular inspections, various methods of maintaining asbestos in place, and removal when necessary.

Plume: A well-defined area of contamination in groundwater, soil or the air, often used to describe the dispersion of contamination in soil and/or groundwater.

Potentially Responsible Party (PRP): A party (individual or corporation) identified by state or federal authorities as potentially liable for cleanup costs at a contaminated site.

Preliminary Investigation (PI): The process of collecting and reviewing available information about a known or suspected hazardous waste site or release.

Proposed Remedial Action Plan (PRAP): A document that reviews the cleanup alternatives presented in the site Feasibility Study and identifies ADEQ's preferred alternative. Selection of a preferred alternative is not a closed-end commitment to use that alternative; rather, it is a way for the agency to indicate, based on experience and expertise, which alternative is the most likely course of action. ADEQ must actively solicit public review of and comment on all the alternatives under consideration.

Public Comment Period: A period during which the public can formally review and comment on various documents and ADEQ actions.

Record of Decision (ROD): A legal document that announces and explains the cleanup methods ADEQ will use at a Superfund/WQARF site. The Record of Decision is based on information and technical analysis generated during the Remedial Investigation and Feasibility Study, and on consideration of comments received during the public comment record for the Proposed Remedial Action Plan.

Remedial Action (RA): Any action taken to investigate, monitor, assess, and evaluate the release or threat of release of hazardous substances or contaminants to the environment. It may also refer to the actual “cleanup” of the environment by various removal, treatment, monitored remediation, or corrective actions. The term cleanup is sometimes used interchangeably with the terms remedial action, removal action, response action, remedy, remediation, or corrective action.

Remedial Investigation (RI): Establishes the nature and extent of the contamination and the sources; identifies current and potential impacts to public health, welfare and the environment; identifies current and reasonable foreseeable uses of land and waters of the state; and obtains and evaluates any information necessary for identification and comparison of alternative remedial actions.

Remedial Objective (RO): Established remedial goals for the current and reasonably foreseeable uses of lands and waters of the state that have been or are threatened to be affected by a release of hazardous substance.

Remediation: Cleanup or other methods used to remove or contain a toxic spill or hazardous materials.

Remedy: Cleanup method chosen for a site.

Responsible Party: An individual or company (*e.g.*, an owner, operator, transporter, or generator of hazardous waste) that is responsible for the contamination problems at a Superfund/WQARF site. Whenever possible, responsible parties are required to clean up hazardous waste sites they have contaminated.

Responsiveness Summary: A summary of oral and written comments (and ADEQ responses to those comments) received during the public comment period.

Soil Remediation Level (SRL): A pre-determined risk-based standard protective for residential or non-residential use based upon the total contaminant concentration in soil. In addition to meeting the SRLs, it must also be shown that soil contaminant levels do not: 1) Cause or threaten to cause a violation of Water Quality Standards that are protective of aquifer water quality and surface water quality; 2) Exhibit a hazardous waste characteristic of ignitability, corrosivity, or reactivity; and 3) Cause or threaten to cause an adverse impact to ecological receptors. SRLs have replaced what were known as Health-Based Guidance Levels or HBGLs.

Soil Vapor (Soil Gas): Gaseous elements and compounds that occur in the small spaces between soil particles. Such gases can move through or leave the soil or rock, depending on changes in pressure.

Soil Vapor Extraction (SVE): Soil vapor extraction removes contaminant vapors from below ground for treatment above ground. Soil vapor extraction removes vapors from the soil above the water table by applying a vacuum to pull the vapors out. The method is used for chemicals that evaporate easily, such as those found in solvents and gasoline.

Superfund: The federal program operated under the legislative authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the Superfund Amendments and Reauthorization Act (SARA) that funds and carries out U.S. Environmental Protection Agency solid waste emergency and long-term removal and remedial activities. These activities include establishing the National Priorities List, investigating sites for inclusion on the list, determining their priority and conducting and/or supervising cleanup and other remedial actions. It provides for the cleanup of hazardous substances released into the environment, regardless of fault. The term Superfund also is used to refer to cleanup programs designed and conducted under CERCLA and its subsequent amendments.

Tetrachloroethene or Tetrachloroethylene or Perchloroethene (PCE): A clear, colorless, liquid with a chloroform or sweet odor and a low boiling point; a solvent used for dry-cleaning; degreasing and drying metals and other solids; dissolving waxes, greases, oils, fats, and gums and in other industrial applications. PCE is a potential occupational carcinogen. Evaporation of PCE increases as temperature increases.

Total Petroleum Hydrocarbons (TPH): Total petroleum hydrocarbons refer to a measure of concentration or total mass of petroleum hydrocarbon constituents present in a given amount of air, soil or water.

Trichloroethene or Trichloroethylene (TCE): A colorless liquid used as a solvent, metal degreasing agent and in other industrial applications.

Vadose Zone: The area between the ground surface and the water table. The pores are filled with air although some water may be present. Vadose zone may be referred to as the unsaturated zone.

Vapor Intrusion: The migration of volatile chemicals from the subsurface into overlying buildings. Volatile chemicals in buried wastes and/or contaminated groundwater can emit vapors that may migrate through subsurface solid and into air spaces of overlying buildings.

Volatile Organic Compounds (VOC): A large group of carbon-containing compounds that are easily dissolved into water, soil, or the atmosphere and evaporate readily at room temperature. Examples of VOCs include PCE, TCE, benzene, toluene, ethylbenzene, and xylene. These contaminants are typically generated from metal degreasing, printed circuit board cleaning, gasoline and wood preserving processes.'

Water Quality Assurance Revolving Fund (WQARF): Also known as the State Superfund, WQARF is the program and funding used to address hazardous substance releases within the state that are not covered by other specific programs.

Well: A boring into the ground to reach a supply of water or oil. Special purpose wells are installed during remedial investigations to obtain data or for use in the remedial design. Examples are monitor wells and extraction wells.

Well Monitoring: The measurement, by on-site instruments or laboratory methods, of the quality of water in a well.