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Clean Air, Safe Water,  
Healthy Land for Everyone

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Highway 260 and Main Street  
Water Quality Assurance Revolving Fund (WQARF) Site  
**Community Involvement Plan**



**Monitoring activities at a groundwater monitoring well.**

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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 Highway 260 and Main Street WQARF Site 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 Highway 260 and Main Street WQARF Site. The spokesperson 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

602-771-8007

Or

1-800-234-5677

Fax: 602-771-4272

Email: [boschert.barbara@azdeq.gov](mailto:boschert.barbara@azdeq.gov)

View Community Involvement Contacts Online: [azdeq.gov/WQARF](http://azdeq.gov/WQARF)

## ***Site Information Repository***

The information repository for Highway 260 and Main Street WQARF Site 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/hwy260-main](http://azdeq.gov/hwy260-main)

**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 Overview**

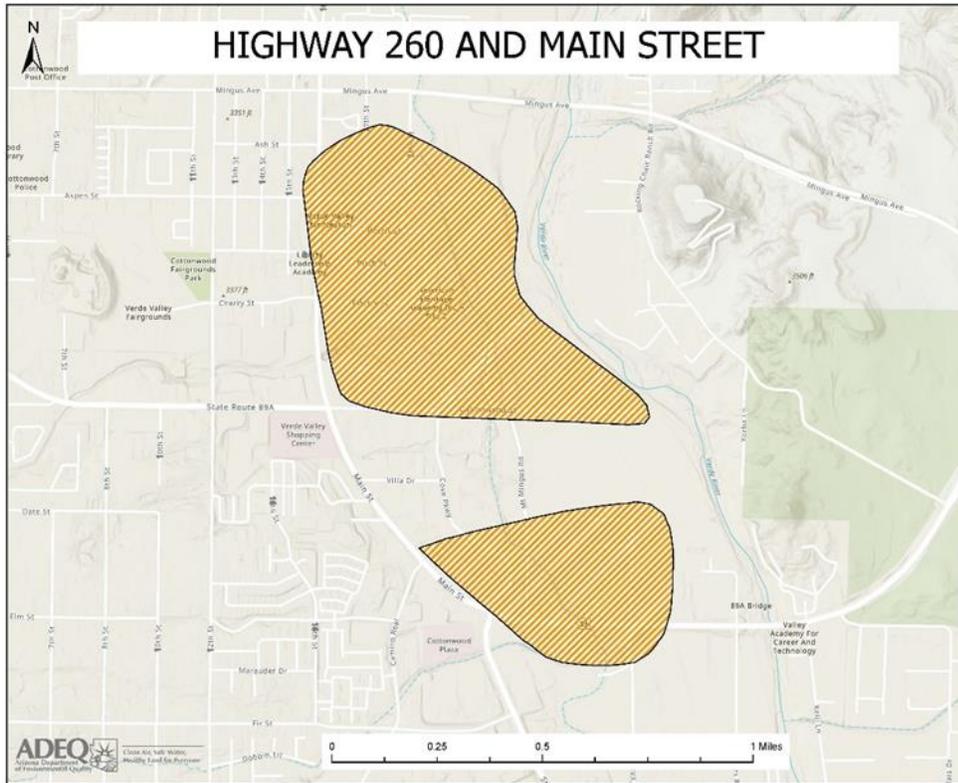
The Highway 260 and Main Street WQARF Site (the Site) is located in Cottonwood, Arizona. The approximate site boundaries are East Mingus Avenue to the north, Mongini Lane to the south, the Verde River to the east, and South 15<sup>th</sup> Street, South Main Street, and Highway 260 to the west. The Site was placed on the WQARF Registry in December, 2016, with an eligibility and evaluation (E&E) score of 40 out of a possible 120. The major factor leading to the score was the presence of tetrachloroethene (PCE) and trichloroethene (TCE) in groundwater at levels exceeding Arizona Aquifer Water Quality Standards (AWQS).

During the Preliminary Investigation and the Remedial Investigation (RI), ADEQ installed monitoring wells and sampled private domestic wells at the site. As Early Response Actions (ERAs), ADEQ installed Granular Activated Carbon (GAC) wellhead treatment systems on private domestic wells impacted by PCE and TCE above Aquifer Water Quality Standards. ADEQ continues to sample private domestic wells multiple times each year.

In early 2021, ADEQ released the Draft RI Report, Proposed Remedial Objectives Report, Feasibility Study Work Plan, and the ERA Operation, Maintenance, and Monitoring Manual. The Final RI Report was issued in May 2021. The Feasibility Study, which evaluated potential remedial measures and strategies to clean up site contamination, was released in April 2022. The Proposed Remedial Action Plan is currently being prepared (as of February 2024).

The following map shows the estimated plume boundaries based on the groundwater data collected at the Site. These boundaries may change as ADEQ collects more information.

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



**Superfund Sites**

**TYPE**

- HPA NPL
- UIC/ASR
- OOD

Date Listed: 12/12/2016  
 Last Update: 12/1/2018  
 Map Date: 3/4/2024

EPA/NPL and UIC/ASR 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 geographic extent of the known study area as of the date of map production. Therefore, the boundaries for the site are subject to change in the future as new information becomes available. OOD boundaries are the facility boundaries, not plumes.

# **Community Profile**

## ***Community Involvement Area (CIA)***

The CIA of the Highway 260 and Main Street WQARF Site 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 map on the following page illustrates the 2023 CIA for the Highway 260 and Main Street WQARF Site.

## ***Community Demographics***

Demographics help ADEQ plan and implement tailored community involvement activities. The following page displays key demographic information for the CIA of the Highway 260 and Main Street WQARF Site.

The Highway 260 and Main Street WQARF site is located in Cottonwood, Arizona. The City of Cottonwood has an estimated population of 11,959<sup>1</sup>. Approximately 1,858 residents live within the CIA, primarily in zip code 85623. A small section of the CIA is outside of City of Cottonwood boundaries.

Among CIA residents above age five, 1% speak Spanish only or limited English; 1% speak other language or limited English; 85% 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.

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 6% of the population is under age five, while 26% is above age 65.

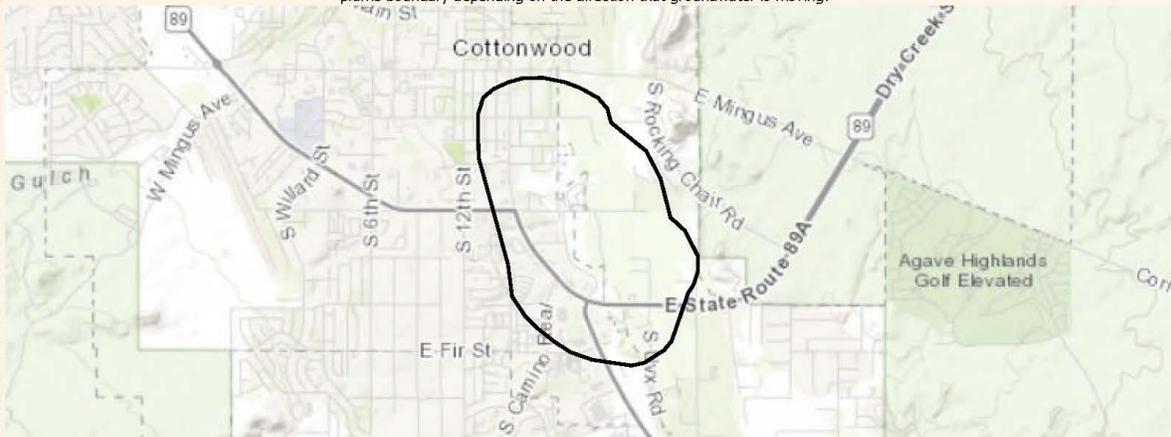
Refer to Appendix C for a list of neighborhood associations, community schools, and vulnerable population centers. Appendix D contains a list of elected officials.

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

## HIGHWAY 260 AND MAIN STREET -- COTTONWOOD, ARIZONA

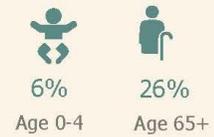
Community Involvement Areas are drawn 1/8th to 1/4th of a mile around a WQARF plume boundary depending on the direction that groundwater is moving.



### Population and Households 2020



### Vulnerable Population



### Race and Ethnicity

The largest group: White Alone (78.16)  
The smallest group: Pacific Islander Alone (0.22)

Indicator ▲	Value	Diff
White Alone	78.16	+8.51
Black Alone	0.86	-4
American Indian/Alaska Native Alone	2.1	-2.48
Asian Alone	0.91	-2.71
Pacific Islander Alone	0.22	0
Other Race	15.01	+1.94
Two or More Races	2.74	-1.27
Hispanic Origin (Any Race)	29.6	-2.58

Bars show deviation from

### Language Spoken Age 18-65



### 2020 Technology Access



Source: U.S. Census Bureau, American Community Survey and data sources compiled by Esri ArcGIS Business Analyst Web App

## **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 Highway 260 and Main Street WQARF Site. As part of this update, ADEQ conducted telephone surveys in 2017 and an online survey in 2021 to assess current concerns about the Site. The following sections summarize interview and survey responses to questions about common concerns related to the Site 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***

While two interviewees were generally aware of the site's groundwater contamination, there was limited familiarity with the original groundwater contaminant of concern (PCE).

#### **Environmental and health concerns**

The concerns expressed by community members focused on the safety of their water for drinking and other uses. One interviewee in the healthcare industry was concerned about a possible connection between groundwater contamination and cancer incidence in the area. Additional concerns were related to what caused the groundwater contamination, whether the groundwater contamination will affect the Verde River, and what ADEQ will do to clean up the contamination. The following are specific questions noted by the interviewees:

- Is my well okay to use?
- Is the water at my location safe to drink?
- Is my water safe to use for irrigation purposes, laundry, and showers?
- How fast is the contamination moving? Will the contamination reach my well?
- How will the contamination be cleaned up and how long will it take?

## Outreach Recommendations

Interviewees provided the following feedback and suggestions on current and future outreach activities for the Highway 260 and Main Street WQARF site:

- Most interviewees preferred to receive information via U.S. mail; only one interviewee preferred email outreach alone.
- Most interviewees found the ADEQ mailer and fact sheet clear and easy to understand; one interviewee noted that the site map was difficult to read.
- Most interviewees did not have previous experience with ADEQ. One interviewee worked with ADEQ as a gas station operator and another interviewee called ADEQ after receiving the ADEQ mailer.
- Most interviewees stated that U.S. mail would be the best way to advertise public meetings. One interviewee noted a local Facebook page with political and governmental information could be useful for promoting a public meeting. The local radio and local newspapers were also noted as ways to advertise public meetings.
- Interviewees noted the following possible public meeting locations:
  - Cottonwood Recreation Center
  - Cottonwood Police Department
  - Yavapai County Administrative Services Building
- None of the interviewees noted the need for translation services.

## **Community Involvement Action Plan**

The Community Involvement Action Summary table for the Highway 260 and Main Street WQARF Site 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 information on the Site and implement required activities.

### ***Community Involvement Action Summary - Required Activities***

The following table describes the required community involvement actions for the Highway 260 and Main Street WQARF Site 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
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, October 2016 Public notice, <i>The Verde Independent /Camp Verde Bugle</i> , November 9, 2016	✓
WQARF Registry Listing	<p>Following the listing of a site on the WQARF Registry, ADEQ will:</p> <ul style="list-style-type: none"> <li>• Establish a preliminary community involvement area (see Chapter 2, Section A) within 90 days of site listing on the WQARF Registry.</li> <li>• 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.</li> <li>• Identify ADEQ personnel to contact for further information.</li> </ul>	A.R.S. § 49-289.02	Notice and development of Community Involvement Area, March 24, 2017	✓
	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)	Original Community Involvement Plan: May 2017 Updated Community Involvement Plan: June 2019, May 2021, March 2024	✓

## Community Involvement Action Summary

WQARF Phase	ADEQ Community Involvement Activity	Statute (A.R.S.) and Rule (A.A.C) References	Activity to Date	Complete
<b>Early Response Action</b>	<p>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.</p> <p>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).</p> <p>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.</p>	<p>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)</p>	<p>Early Response Action Operation, Maintenance, and Monitoring Manual public notice/comment, February 17, 2021</p>	
<b>Remedial Investigation</b>	<p>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. These notices shall also provide an opportunity to request a public meeting.</p>	<p>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)</p>	<p>Public notice/comment, March 24, 2017</p>	

*Note: A potentially responsible party search is conducted concurrently with the Remedial Investigation and Feasibility Study, but does not have mandated community involvement activities.*

## Community Involvement Action Summary

WQARF Phase	ADEQ Community Involvement Activity	Statute (A.R.S.) and Rule (A.A.C) References	Activity to Date	Complete
Remedial Investigation (continued)	Establish a selection committee to choose Community Advisory Board members for the site. The selection committee shall consist of the following number of people from each organization: <ul style="list-style-type: none"> <li>● ADEQ: 1</li> <li>● Potentially Responsible Party: 1</li> <li>● Local Official: 1</li> <li>● Local Community: 2</li> </ul>	A.R.S. § 49-289.03(D)	Selection committee established May 2018	✓
	Establish a Community Advisory Board of between 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)	Community Advisory Board (CAB) established May 2018	✓
	Publish a combined 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)	Draft Remedial Investigation Report public notice/comment, January 10, 2021 Remedial Objectives public meeting notice, January 27, 2021 Remedial Objectives public meeting, February 25, 2021	✓

## Community Involvement Action Summary

WQARF Phase	ADEQ Community Involvement Activity	Statute (A.R.S.) and Rule (A.A.C) References	Activity to Date	Complete
<b>Remedial Investigation (continued)</b>	<p>Publish a public notice announcing the availability of the Proposed Remedial Objectives Report for a 30-day public comment period.</p> <p>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 person other than ADEQ, copies of the comments received.</p>	<p>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)</p>	<p>Proposed Remedial Objectives Report public notice/comment, March 10, 2021</p> <p>Final Remedial Investigation Report public notice, May 9, 2021</p>	<p>✓</p>
<b>Feasibility Study</b>	<p>Provide notice to interested parties announcing the availability of the Feasibility Study Work Plan</p> <p>Although not mandated, ADEQ will also provide public notice upon completion of the Feasibility Study.</p>	<p>A.A.C. R18-16-404(C)(1)(d)                      A.A.C. R18-16-407(B)</p>	<p>Feasibility Study Work Plan public notice, January 17, 2021</p> <p>Feasibility Study public notice, April 4, 2022</p>	<p>✓</p>
<b>Proposed Remedial Action Plan</b>	<p>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.</p>	<p>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)</p>		
<b>Record of Decision</b>	<p>Publish a public notice announcing the availability of the Record of Decision and Responsiveness Summary for review.</p>	<p>A.R.S. § 49-287.04(G)                      A.A.C. R18-16-404(C)(1)(f)                      A.A.C. R18-16-410</p>		

**Community Involvement Action Summary**

WQARF Phase	ADEQ Community Involvement Activity	Statute (A.R.S.) and Rule (A.A.C) References	Activity to Date	Complete
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		
	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)	Done as needed	✓
	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)		
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 agreement requests 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)	No settlement agreement requests submitted to date.	

## ***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 Highway 260 and Main Street WQARF Site.

ADEQ uses the following community involvement techniques:

1. CAB: The CAB, with assistance from ADEQ, has been conducting public meetings for the Highway 260 and Main Street WQARF site since May 2018. The CAB advises ADEQ on sharing information on the Site 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 *Verde Independent* and *Camp Verde Bugle*. The Arizona Newspaper Association maintains a database of all public notices published in major Arizona newspapers ([arizonapublicnotices.com](http://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 Highway 260 & Main Street WQARF Site. 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](http://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](http://azdeq.gov/notices)).
  - Events Page: includes information on WQARF site public meetings, including CAB meetings ([azdeq.gov/events](http://azdeq.gov/events)).
  - Site Information Page: provides detailed site information and links to the site information repository ([azdeq.gov/hwy260-main](http://azdeq.gov/hwy260-main)).
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](mailto: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 Highway 260 and Main Street WQARF Site.

## Communication Techniques

Communication Deliverable			Communication Recipients/Methods				
Type	Why	When	CAB Members	Interested Parties List	ADEQ Website	Local Print Media	ADEQ Notice Board
<b>Notice</b>	Provide notice of availability of milestone documents, request comments, and solicit input.	Per mandate (See Community Involvement Action table).	✓	✓	✓ <i>(Site and calendar pages)</i>	✓ <i>(Verde Independent and Camp Verde Bugle)</i>	✓
<b>CAB or Public Meeting Notice/Agenda</b>	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).	✓	✓	✓ <i>(Site, calendar, and CAB history pages)</i>	Not Applicable	✓
<b>Technical Presentation</b>	Provide current information about site activity or related topics.	At CAB meetings or at specially requested public meetings.	✓	Not Applicable	✓ <i>(Site and CAB history pages)</i>	Not Applicable	Not Applicable
<b>Technical Milestone Document</b>	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	✓ <i>(Information repository)</i>	Not Applicable	Not Applicable
<b>Site Fact Sheet</b>	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.	✓	✓	✓ <i>(Information repository)</i>	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
<b>Public Meeting to solicit Remedial Objectives</b>	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.	✓	✓	✓ <i>(Site and calendar pages)</i>	✓ <i>(Verde Independent and Camp Verde Bugle)</i>	✓
<b>Public notice announcing a prospective purchaser agreement</b>	Provide notice of availability and request comments.	Per mandate (see Community Involvement Action table).	✓	✓	✓ <i>(Information repository)</i>	✓ (Newspaper of general circulation in Yavapai County)	Not Applicable
<b>Public notice announcing settlement agreement with a responsible party.</b>	Provide notice of availability and request comments.	Per mandate (see Community Involvement Action table).	✓	✓	✓ <i>(Online information repository)</i>	✓ (Newspaper of general circulation in Yavapai County)	Not Applicable
<b>Site Tour</b>	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.				

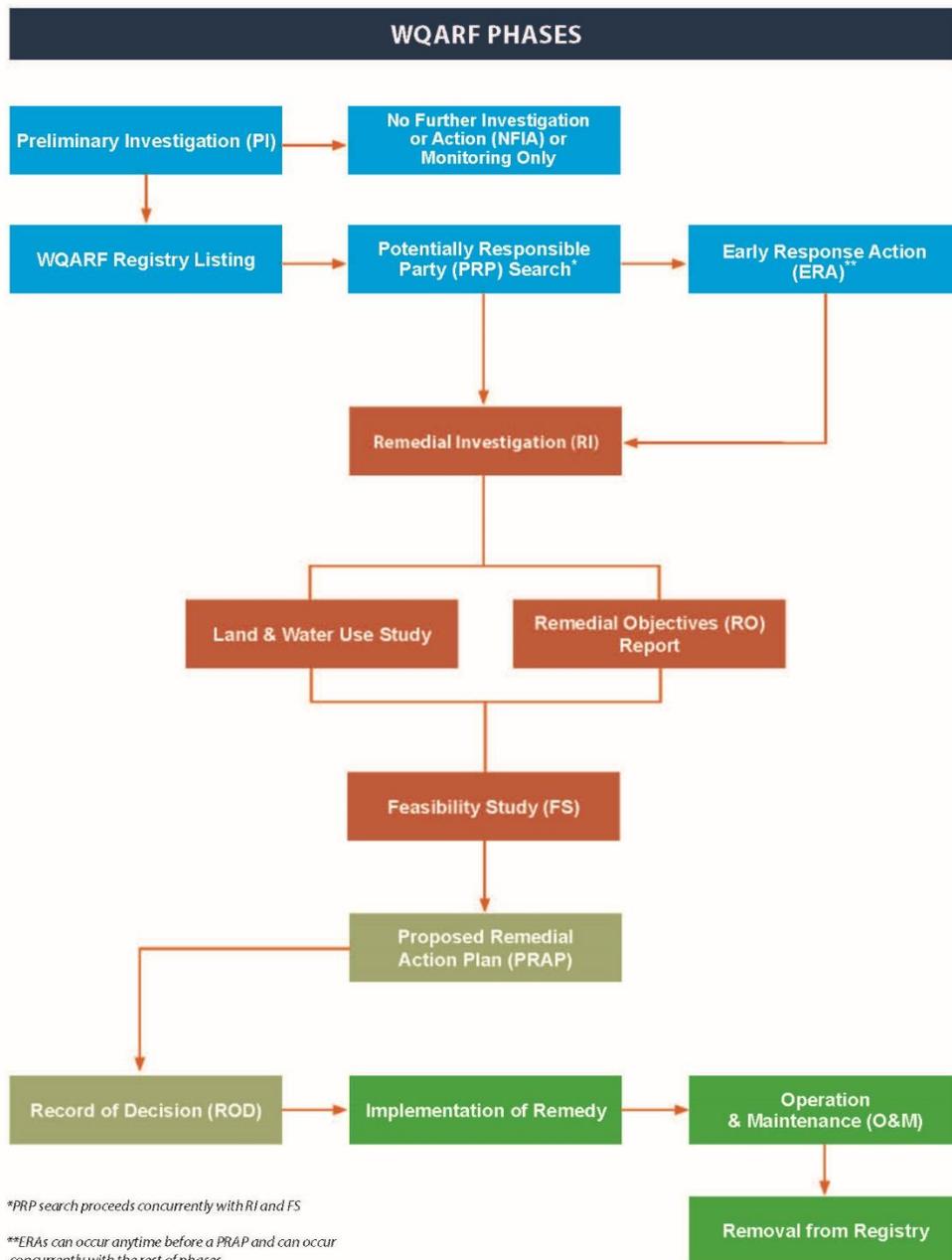
# **APPENDICES**

The following appendices provide additional resources to support community involvement for the Highway 260 and Main Street WQARF Site:

- Appendix A: WQARF process flowchart
- Appendix B: History of major activities at the Highway 260 and Main Street WQARF Site
- Appendix C: Targeted communities in the CIA of the Highway 260 and Main Street WQARF Site
- Appendix D: Elected officials representing communities within the CIA
- Appendix E: Current CAB members of the Highway 260 and Main Street WQARF Site
- 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 Highway 260 and Main Street WQARF Site
- Appendix I: Consent orders and settlements related to the Highway 260 and Main Street WQARF Site

# Appendix A

## WQARF Process Chart



## ***Appendix B***

### **Site History**

The following presents a site history for the Arizona Department of Environmental Quality (ADEQ) Highway 260 and Main Street Water Quality Assurance Revolving Fund (WQARF) site.

- 2005 In August, owners of the Swanson RV Park filed a complaint with ADEQ regarding tetrachloroethene (PCE) in a drinking water well. PCE was detected in their well water at a concentration of 8.5 micrograms per liter ( $\mu\text{g/L}$ ), which is above the Arizona Aquifer Water Quality Standards (AWQS) of 5  $\mu\text{g/L}$ . ADEQ began an investigation to identify potential sources of the PCE in groundwater.
- 2006–2007 Groundwater and soil gas sampling identified two potential source areas: the former Cottonwood Cleaning & Bridal Boutique on Main Street and Aspen Street (North Source Area) and Cottonwood Quality Dry Cleaning on Main Street and Camino Real (South Source Area). The groundwater investigations detected PCE at concentrations up to 340  $\mu\text{g/L}$  in groundwater and 1,200 micrograms per cubic meter ( $\mu\text{g/m}^3$ ) in soil gas near the North Source Area. Similarly, PCE was found at concentrations up to 170  $\mu\text{g/L}$  in groundwater and 450  $\mu\text{g/m}^3$  in soil gas near the South Source Area.
- 2008 Site activities paused due to a significant reduction in staff and funding across all ADEQ programs, including WQARF.
- 2015 ADEQ re-initiated the site's Preliminary Investigation (PI). Additional groundwater investigations found PCE, trichloroethene (TCE), and *cis*-1,2-dichloroethene (*cis*-1,2-DCE) in several wells across the site. Only PCE was detected above the AWQS in two private domestic wells, at concentrations of 8.6 and 20  $\mu\text{g/L}$ . The former was detected in a mobile home park well supplying water to 14 residences and the latter was a private domestic well serving a single residence.
- 2016 The Highway 260 and Main Street site was placed on the WQARF Registry on December 12 with an eligibility and evaluation score of 40 out of 120.
- 2017–2019 ADEQ conducted a Remedial Investigation (RI) to assess the extent of contamination and identify impacted receptors. ADEQ regularly sampled private domestic wells to monitor for site contaminants. Three Granular Activated Carbon (GAC) wellhead treatment systems were installed on drinking water wells as part of Early Response Actions (ERAs) to prevent exposure to site contaminants. Bottled water was provided to residents without another source of clean drinking water until the GAC wellhead treatment systems could be installed.

- 2020 ADEQ completed the RI. Six groundwater monitoring wells and four soil vapor monitoring/extraction wells were installed to collect additional data needed for the Feasibility Study (FS). A soil vapor extraction (SVE) pilot test and an Enhanced Reductive De-chlorination (ERD) pilot test were conducted in the North Source Area. ADEQ sampled more than 50 private domestic wells on a quarterly basis and installed three additional wellhead treatment systems as part of ERAs.
- 2021 ADEQ released the Draft RI Report, FS Work Plan and ERA Operation, Maintenance, and Monitoring Manual in early 2021. After soliciting Remedial Objectives (ROs) from the public, ADEQ released the Proposed ROs Report in March, and Final RI Report in May. Additional SVE pilot testing was conducted in the South Source Area as well as expanded ERD pilot testing in the North Source Area. ADEQ began preparing the FS to evaluate potential remedial measures and strategies to clean up site contamination. Five GAC wellhead treatment systems were installed on private domestic wells with PCE detections above AWQS. Private domestic wells continue to be sampled frequently to monitor detections of PCE across the site.
- 2022-2023 The Feasibility Study was published on April 4, 2022. GAC wellhead treatment at private domestic wells continued along with periodic sampling. Installation of the SVE system was completed in 2023. ADEQ is currently preparing the Proposed Remedial Action Plan (as of February 2024).

# ***Appendix C***

## **Targeted Communities**

### ***Neighborhood Associations***

There are no neighborhood associations within the Highway 260 and Main Street Water Quality Assurance Revolving Fund (WQARF) site Community Involvement Area (CIA); however, the following RV Parks are identified within the CIA.

<b>Turquoise Triangle RV Park</b> 2501 East State Route 89-A, Cottonwood, AZ 86326 <a href="http://turquoisetrianglervpark.com/index.html">http://turquoisetrianglervpark.com/index.html</a>	928-634-5294
<b>C-Oasis RV Park</b> – contact information is for water provider East State Route 89-A and S. Oasis Dr., Cottonwood, AZ 86326 <a href="mailto:mpaige@leslieinvestments.com">mailto:mpaige@leslieinvestments.com</a>	505-881-8200

### ***Schools***

The following list presents the community schools within or near the Highway 260 and Main Street WQARF site CIA.

<b>American Heritage Academy – Cottonwood Campus</b> 2030 East Cherry Street, Cottonwood, AZ 86326 <a href="https://ahacottonwood.org/">https://ahacottonwood.org/</a>	928-634-2144
<b>Cupertino Academy</b> 2715 East State Route 89-A, Cottonwood, AZ 86326 <a href="https://cupertinoaz.org">https://cupertinoaz.org</a>	928-212-1262
<b>Ed Options Cottonwood Learning Center</b> 1500 East Hombre Drive, Cottonwood, AZ 86326 <a href="https://eohighschool.com/location/cottonwood-learning-center">https://eohighschool.com/location/cottonwood-learning-center</a>	602-312-2519
<b>Mingus Union High School</b> 1801 East Fir Street, Cottonwood, AZ 86326 <a href="https://mingusunion.com">https://mingusunion.com</a>	928-634-7531

## ***Vulnerable Population Centers***

The following list presents the vulnerable population centers in the Highway 260 and Main Street WQARF site CIA, including childcare and assisted living facilities.

**Aviant Hospice Yavapai** 928-634-1073

1756 East Villa Drive, Suite C-17, Cottonwood, AZ 86326

**Beginnings Birth and Wellness Center** 928-634-8680

703 South Main Street, Suite 4, Cottonwood, AZ 86326

<https://beginningsbirth.com/>

**DaVita Cottonwood Dialysis** 800-424-6589

1699 East Cottonwood Street, Suite A200, Cottonwood, AZ 86326

**Hilltop Christian Preschool** 928-634-7759

2021 East Fir Street, PO Box 3732, Cottonwood, AZ 86326

<http://www.cottonwoodfaithlutheran.org/7922.html>

# **Appendix D**

## **Elected Officials**

As of the publication of this community involvement plan, the community involvement area for the Highway 260 and Main Street WQARF Site is within the City of Cottonwood (no districts specified), Yavapai County Supervisorial District 3, and Arizona Legislature District 1.

<b>City of Cottonwood Officials</b> City Hall 827 N. Main St. Cottonwood, AZ 86326 (928) 340-5526 <a href="#">City of Cottonwood Directory</a>		
<b>Mayor</b> Tim Elinski 928-340-2747 <a href="mailto:telinski@cottonwoodaz.gov">telinski@cottonwoodaz.gov</a>	<b>Vice Mayor</b> Debbi Wilden 928-340-2725 <a href="mailto:dwilden@cottonwoodaz.gov">dwilden@cottonwoodaz.gov</a>	<b>City Manager</b> Scotty Douglass 928-340-2731 <a href="mailto:sdouglass@cottonwoodaz.gov">sdouglass@cottonwoodaz.gov</a>
<b>Council Member</b> Stephen DeWillis 928-460-1554 <a href="mailto:sdewillis@cottonwoodaz.gov">sdewillis@cottonwoodaz.gov</a>	<b>Council Member</b> Michael Mathews 928-340-2727 <a href="mailto:mmathews@cottonwoodaz.gov">mmathews@cottonwoodaz.gov</a>	<b>Council Member</b> Helaine Kurot 928-593-0916 <a href="mailto:hkurot@cottonwoodaz.gov">hkurot@cottonwoodaz.gov</a>
<b>Council Member</b> Lisa DuVernay 928-340-2725 <a href="mailto:lduvernay@cottonwoodaz.gov">lduvernay@cottonwoodaz.gov</a>	<b>Council Member</b> Derek Palosaari 928-340-2725 <a href="mailto:dpalosaari@cottonwoodaz.gov">dpalosaari@cottonwoodaz.gov</a>	
<b>Yavapai County Board of Supervisors</b> 301 W Jefferson St 10th Floor Phoenix, AZ 85003 <a href="http://maricopa.gov/224/Board-of-Supervisors">maricopa.gov/224/Board-of-Supervisors</a>		
<b>County Supervisor District 3</b> Dr. Donna Michaels 928-649-6227 <a href="mailto:district3@yavapaiaz.gov">district3@yavapaiaz.gov</a>		
<b>Arizona State Legislature</b> 1700 W. Washington St Phoenix, AZ 85007 <a href="http://azleg.gov/MemberRoster">azleg.gov/MemberRoster</a>		
<b>Senator District 1</b> Ken Bennett Room #303 602-926-5874 <a href="mailto:kbennett@azleg.gov">kbennett@azleg.gov</a>	<b>Representative District 1</b> Selina Bliss Room # 344 602-926-4018 <a href="mailto:sbliss@azleg.gov">sbliss@azleg.gov</a>	<b>Representative District 1</b> Quang H. Nguyen Room # 226 602-926-3258 <a href="mailto:qnguyen@azleg.gov">qnguyen@azleg.gov</a>

# ***Appendix E***

## **Community Advisory Board**

The following table presents the Highway 260 and Main Street Water Quality Assurance Revolving Fund (WQARF) site Community Advisory Board (CAB) members as of this writing.

<b>Community Advisory Board Members</b>	
<b>Debbie Breitreutz</b> 928-300-2277 <a href="mailto:dbreitreutz@cottonwoodaz.gov">dbreitreutz@cottonwoodaz.gov</a>	<b>Bill Wade</b> 928-634-7994 <a href="mailto:bill@wadeco1.com">bill@wadeco1.com</a>
<b>Peter Andrew Groseta</b> 928-634-7872 <a href="mailto:ANDY@WDARTRANCH.COM">ANDY@WDARTRANCH.COM</a>	<b>David Mongini</b> 928-634-3122 <a href="mailto:Davidmongini55@gmail.com">Davidmongini55@gmail.com</a>
<b>Melissa Mongini-Franklin</b> 928-848-4858 <a href="mailto:melissa@serenitytherapeuticsllc.com">melissa@serenitytherapeuticsllc.com</a>	

# ***Appendix F***

## **Media Outlets**

The community may use any media outlets to share information on the Highway 260 and Main Street WQARF Site. ADEQ will publish all Site-related public notices in the *Verde Independent and Camp Verde Bugle*. All future public notices for the Highway 260 and Main Street WQARF Site can be found by searching [arizonapublicnotices.com](http://arizonapublicnotices.com).

### ***Newspapers and Magazine***

**Camp Verde Bugle** (KKLD, KVRD, KYBC, KQST, KVNA) 928-567-4101  
281 South 3<sup>rd</sup> Street, Camp Verde, AZ 86322

**The Verde Independent** 928-567-2241

### ***Radio***

**Yavapai Broadcasting** (KKLD, KVRD, KYBC, KQST, KVNA) 928-634-2286  
3405 East State Route 89A, Cottonwood, AZ 86326

**Jack FM 94.7** (KPPV) 800-264-5449  
1756 East Villa Drive, Suite 2C, Cottonwood, AZ 86326

### ***Television***

**AZ Family** (KTVK, KPHO) 602-207-3333  
5555 North 7<sup>th</sup> Avenue, Phoenix, AZ 85013

**KAET Channel 8** (PBS) (602) 496-8888  
555 North Central Avenue, Suite 500, Phoenix, AZ 85004

**KNXV Channel 15** (ABC) (602) 273-1500  
515 North 44<sup>th</sup> Street, Phoenix, AZ 85008

**KPNX Channel 12** (NBC) (602) 257-1212  
200 East Van Buren Street, Phoenix, AZ 85004

**KSAZ Channel 10** (FOX) (602) 257-1234  
511 West Adams Street, Phoenix, AZ 85003

# **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 Highway 260 and Main Street WQARF Site.

### ***State of Arizona***

**Department of Health Services:** Environmental Health 602-542-1025  
150 N 18th Ave Phoenix, AZ 85007 [azdhs.gov/environmentalhealth](http://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](http://new.azwater.gov/permitting-wells)

### ***City of Cottonwood***

#### **Cottonwood Water Resources Department**

827 North Main Street  
Cottonwood, AZ 86326  
Phone: 928-340-2737

#### **Cottonwood Water Resources Department**

827 North Main Street  
Cottonwood, AZ 86326  
Phone: 928-340-2737

#### **Cottonwood Utilities Department**

111 North Main Street  
Cottonwood, AZ 86326  
Phone: 928-634-0186

#### **Cottonwood Utilities Department**

111 North Main Street  
Cottonwood, AZ 86326  
Phone: 928-634-0186

### ***Other***

**Agency for Toxic Substances and Disease Registry – Region 9** 800-232-4636  
75 Hawthorne St, Ste 9410, San Francisco, CA 94105 [atsdr.cdc.gov](http://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](http://aaronline.com/wp-content/uploads/2017/10/Residential-Sellers-Property-Disclosure-Statement-SPDS_REV_01Oct2017.pdf)

**Sedona Verde Valley Association of Realtors** 928-252-5409  
859 Cove Parkway, Cottonwood AZ 86326 [svvar.com/](http://svvar.com/)

## ***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 Highway 260 and Main Street Water Quality Assurance Revolving Fund site as of this writing.

# ***Appendix I***

## **Consent Orders and Settlements**

No parties have entered into consent decree settlements with the Arizona Department of Environmental Quality for properties in or around the Highway 260 and Main Street Water Quality Assurance Revolving Fund site as of this writing.

# **Acronyms and Glossary of Terms**

**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 ( $\mu\text{g/L}$ ).

**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.

***cis*-1,2-Dichloroethene (*cis*-1,2-DCE):** An odorless organic liquid that has two slightly different forms, a "cis" form and a "trans" form. Both the cis and trans forms (typically as a mixture) are used as a solvent for waxes and resins, in the extraction of rubber, as a refrigerant, in the manufacture of pharmaceuticals and artificial pearls, in the extraction of oils and fats from fish and meat, and in making other organics.

**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.

**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).

**Granular Activated Carbon (GAC):** An effective absorbent primarily due to its extensive porosity and very large available surface area. By definition, granular activated carbon (as opposed to powdered activated carbon or PAC) is composed of particles with sizes greater than 0.8 mm, about the size of coarse sand. Activated carbon is manufactured from a variety of raw materials, including wood, coal, and coconut shells, making it plentiful, relatively inexpensive, and versatile.

**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.

**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.

**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.

**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 reasonably 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 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.

**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.

**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.

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

**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.