



Stone Avenue and Grant Road
Water Quality Assurance Revolving Fund (WQARF) Site
Record of Decision (ROD) and Remedy Implementation,
Updates, and Next Steps

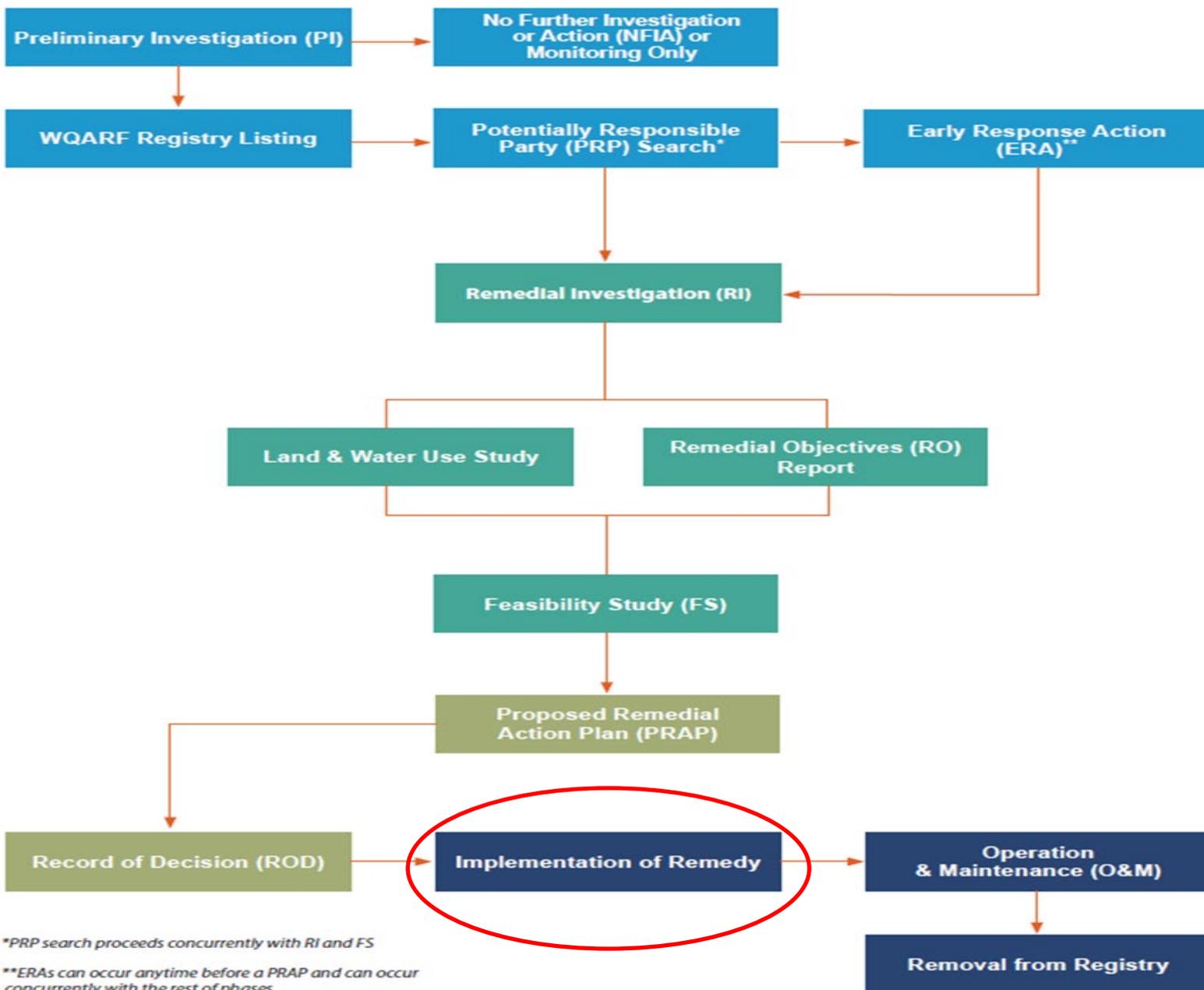
9/2/2020

Community Advisory Board (CAB) Meeting

Gianna Trujillo, Environmental Science Specialist II/Project Manager



WQARF PHASES



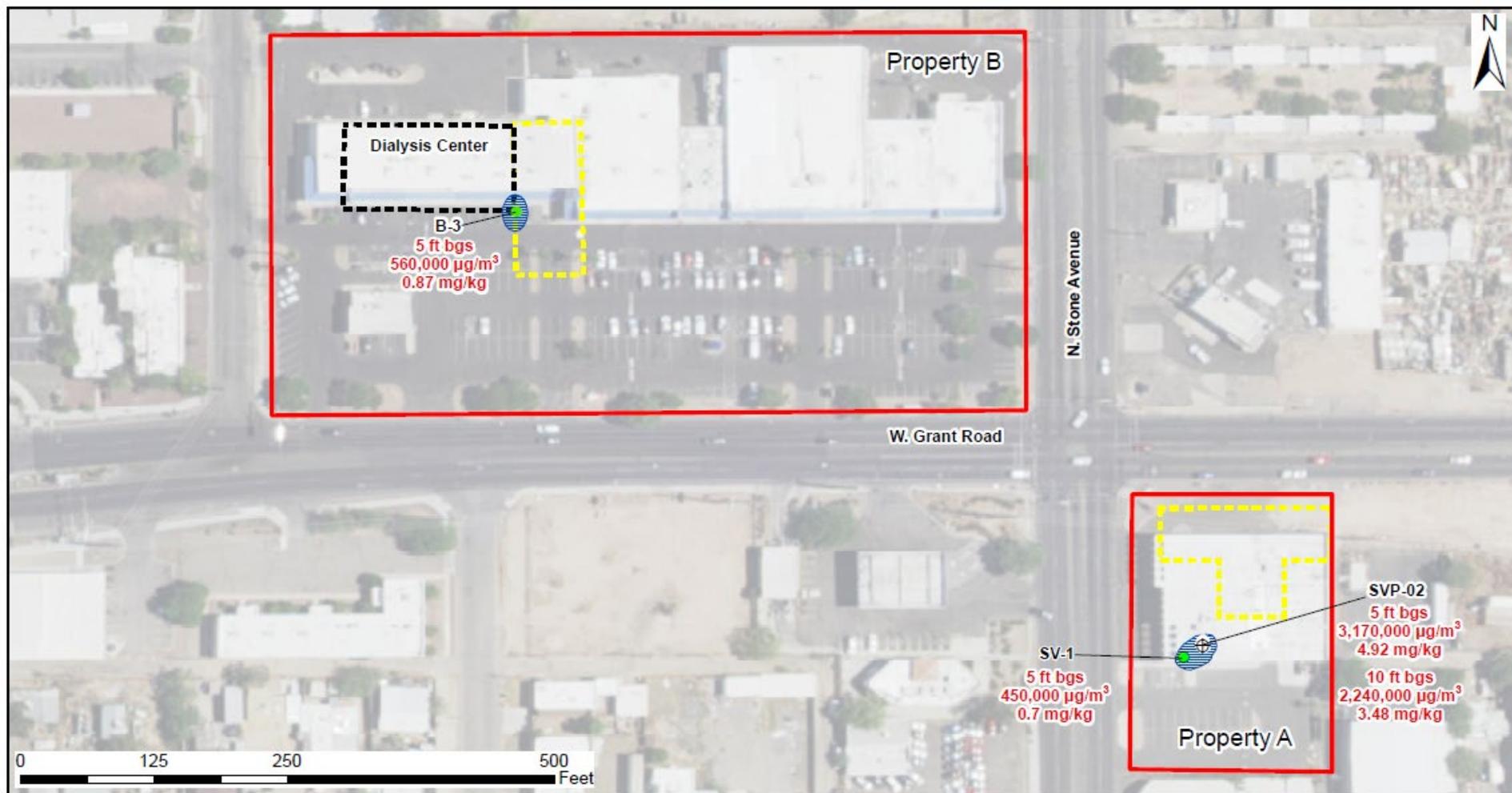
*PRP search proceeds concurrently with RI and FS

**ERAs can occur anytime before a PRAP and can occur concurrently with the rest of phases

- PRAP Public Comment Period Ended
 - 6/11/2020
- Record of Decision (ROD)
 - Signed on 6/30/2020; Noticed 7/7/2020
- Implementation of Final Remedy Begins
 - Property A completed via Early Response Action of Soil Vapor Extraction (SVE) System in 2017.
 - Optimization in 2019
 - Property B in progress.

- **Contaminant of Concern: tetrachloroethene (PCE)**
 - Trichloroethene (TCE) was also investigated and determined to be present as a degradation product of PCE
- **Impacted Media:**
 - Soil up to 10 ft bgs, Soil Vapor up to 100 ft bgs
 - Regional Groundwater (GW) is not impacted
- **Exposure Pathway:**
 - Vapor intrusion to indoor air is the primary concern for exposure to PCE vapors via inhalation from source areas

Remediation Areas



Legend

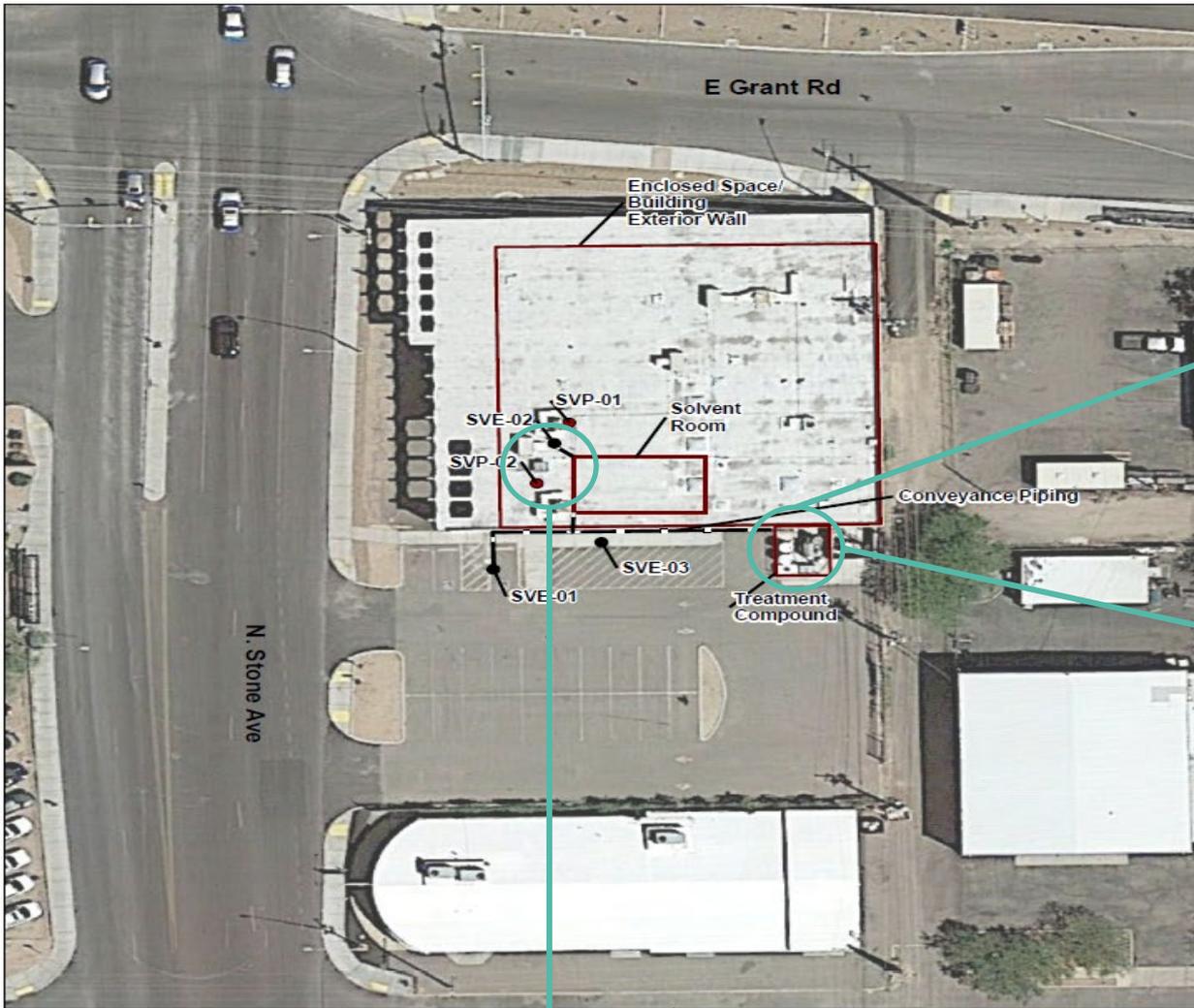
- Property Boundary
- Residential SRL Exceedance (Soil Equivalents) for PCE
- Sensitive Population
- Historic Dry Cleaner Locations
- Temporary Soil-Gas Sampling Location
- ⊕ Dedicated Soil-Gas Monitor

Figure 2
Site Remediation Areas
Stone Avenue and Grant Road WQARF Site
Tucson, Arizona

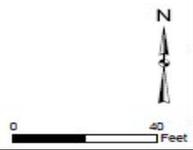


Remedy Implementation

Property A – Soil Vapor Extraction



- Legend**
- Soil Vapor Extraction Well
 - Soil Vapor Probe
 - Piping
 - ▭ Exterior Wall



Property A, SVE Layout

Stone & Grant WQARF Site
Tucson, Arizona

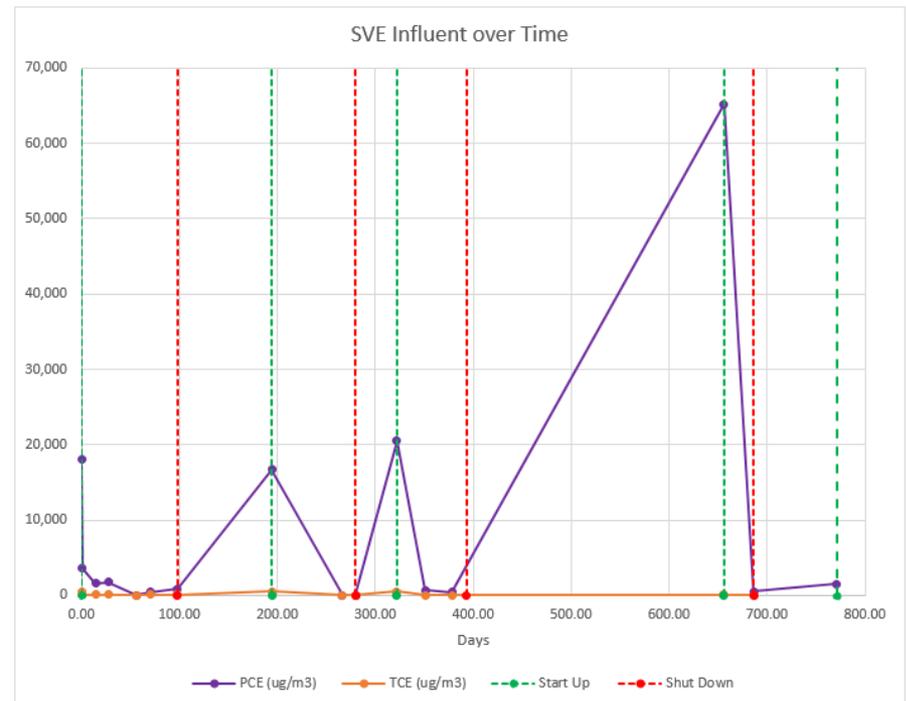


Figure 2

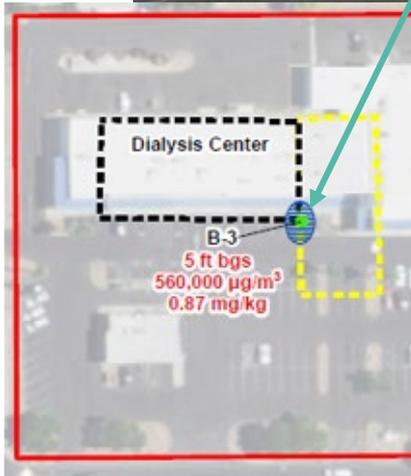
Phoenix, Arizona February 2020



- Total Estimated Mass removed is 28.3 pounds of PCE as of March 2020
 - Best performance was after >200 days rebound
- System shut down: 3/24/2020
- Rebound Sampling: September 2020
- System Restart: October 2020



Property B – Soil Vapor Extraction



- October 2019: Pilot Test estimated COC mass removal of 0.54 pounds.
- July - August 2020: Working with TEP to get a power source for onsite SVE System
- September – December 2020: Install SVE wells onsite and Possible tie-in of existing wells / conversion to SVE wells

- **Groundwater Monitoring**
 - Ensure no impacts to regional groundwater
- **Soil Vapor Monitoring**
 - Monitor contamination in subsurface off property
 - Monitor trends
- **Indoor Air Sampling**
 - Contingency; would be conducted after initial run of SVE at Property B, likely in 2021

Monitoring Locations



Legend

- Site Investigation Area
- Property Boundary
- Dedicated Soil-Gas Monitor
- SVE Well
- Groundwater Monitoring Wells (Shallow and Dual Nested)

Figure 4
Monitoring Locations
Stone Avenue and Grant Road WQARF Site
Tucson, Arizona

- Complete SVE Installation at Property B
 - Fully operational by December 2020
- Operation, Maintenance, and Monitoring of Remedy
 - 5 to 10 Years: 2025 – 2030
- Remedy Optimization
 - Ongoing, as needed

Contact Information

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