

PROPOSED LEAKING UST (LUST) CASE CLEAN UP

The Arizona Department of Environmental Quality (ADEQ) is providing notice in accordance with Arizona Administrative Code R18-12-264.01, that a *Corrective Action Plan (CAP)*, dated February 8, 2022 and *Clarifications for Corrective Action Plan*, dated **March 17, 2023**, has been submitted to ADEQ. The CAP contains a proposal to clean up petroleum contamination from an underground storage tank system at the following facility:

LUST Case File # 2499.01-.05
Facility ID # 0-005038
Navajo County

Thriftway Plateau #117
421 West Deuce of Clubs
Show Low, Arizona 85901

The proposed activities include the following cleanup technologies that will be used to obtain the cleanup levels that are protective of public health, welfare and the environment:

To remediate petroleum chemicals of concern (COCs) in the shallow soils, the recommended technology is excavation and off-site disposal. To remediate the on-site and off-site groundwater contamination, the recommended technologies are enhanced fluid recovery (EFR) from existing monitoring and extraction wells; the installation of new wells for the injection of in-situ chemical oxidation compounds; and the injection of activated carbon with biological nutrients. ADEQ has determined that these are the most effective, appropriate and cost-effective remedial technologies to remediate the soil and groundwater contamination at the site.

Enhanced Fluid recovery (EFR)

The COCs in subsurface soil and groundwater will be treated using EFR technology. EFR simultaneously extracts soil vapors and groundwater from the impacted area. The vapors emissions will be treated such that atmospheric emissions do not exceed levels specified in any air quality permit issued by the county, city or state. The groundwater will be collected in a mobile transport unit for separation, treatment and off-site disposal.

In-Situ Chemical Oxidation (ISCO):

Groundwater will be treated using ISCO by applying a sodium persulfate-based solution into the existing wells and distributing it directly into the formation. ISCO breaks down the COCs through abiotic chemical oxidation reactions.

Activated Carbon and Bio-enhancement

The COC impacted groundwater will undergo remediation by applying a solution of activated carbon combined with nutrients directly into the subsurface. This solution is designed to trap and treat dissolved COCs the groundwater. Indigenous bacteria found in groundwater utilize the supplemental nutrients to enhance metabolization of COCs.

How to Review the Submitted Document and LUST Case File

The documents titled *Thriftway 117 Corrective Action Plan* and *Clarifications for Corrective Action Plan* and the remainder of the LUST case file are available for review at the ADEQ Records Center, located at 1110 West Washington Street, Suite 140, Phoenix, Arizona 85007. To review the file, you may call the Records Center at (602) 771-4380 or visit their website at <http://www.azdeq.gov/function/assistance/records.html>.

How to Submit Comments

Comments regarding the submitted document for this site should be submitted to the Arizona Department of Environmental Quality, Waste Programs Division, Attention: David Neidigh, 1110 W. Washington Street, Phoenix, AZ 85007 or via email at Neidigh.David@azdeq.gov. Comments sent to ADEQ during April 17, 2023 through May, 17, 2023 will be considered in ADEQ's evaluation for *Corrective Action Plan* approval.

Additional Information

If sufficient public interest is demonstrated during the public comment period, ADEQ may hold a public meeting in accordance with A.A.C. R18-12-264.01(C). If a public meeting is to be held, ADEQ will schedule and notify the public in accordance with A.A.C. R18-12-264.01(A) of the meeting time and location.

Copies of the cited statutes and rules can be found at:

<http://www.azleg.gov/ArizonaRevisedStatutes.asp?Title=49>, and
http://www.azsos.gov/public_services/Title_18/18-12.htm

If you have questions regarding this notice, please contact David Neidigh at (602) 771-4240 or Neidigh.David@azdeq.gov.

ADEQ will take reasonable measures to provide access to department services to individuals with limited ability to speak, write or understand English and/or to those with disabilities. Requests for language translation, ASL interpretation, CART captioning services or disability accommodations must be made at least 48 hours in advance by contacting the Title VI Nondiscrimination Coordinator, Leonard Drago, at 602-771-2288 or Drago.Leonard@azdeq.gov. For a TTY or other device, Telecommunications Relay Services are available by calling 711.

ADEQ tomará las medidas razonables para proveer acceso a los servicios del departamento a personas con capacidad limitada para hablar, escribir o entender inglés y/o para personas con discapacidades. Las solicitudes de servicios de traducción de idiomas, interpretación ASL (lengua de signos americano), subtítulo de CART, o adaptaciones por discapacidad deben realizarse con al menos 48 horas de anticipación comunicándose con el Coordinador de Anti-Discriminación del Título VI al 602-771-2288 o Drago.Leonard@azdeq.gov. Para un TTY u otro dispositivo, los servicios de retransmisión de telecomunicaciones están disponible llamando al 711.