

90 day report (Initial Site Characterization Report)

Arizona Administrative Code (A.A.C.) R18-12-261 Initial Response, Abatement, and Site Characterization

- C. Initial site characterization required. An owner or operator shall develop, from readily available sources, initial site characterization information on site-specific geology, hydrology, receptors, potential sources of the contamination, artificial pathways for contaminant migration, and occupancies of the facility and surrounding area. Information on any discovered free product shall be gathered and a site check, meeting the requirements of R18-12-251(C)(2), shall be performed, unless conducted as part of the investigation of a suspected release.
- D. **90 day report.** An owner or operator shall submit an initial site characterization report to the Department, on a Department provided form, within 90 calendar days after the release confirmation date. If known, the report shall include the:
1. Nature of the release, the regulated substance released, and the estimated quantity of the release;
 2. The estimated time period when the release occurred;
 3. Initial response and abatement actions described in subsections (A) and (B), and any corrective actions taken as of the date of the submission;
Note: **A.** 24 hour initial response.
B. 60 day initial abatement.
 4. Estimated or known site-specific lithology, depth to bedrock, and groundwater depth, flow direction, and quality. The date and source of the information shall be included;
 5. Location, use, and identification of all wells registered with Arizona Department of Water Resources, and other wells on and within one-quarter mile of the facility;
 6. Location and type of receptors, other than wells, on and within one-quarter mile of the facility;
 7. Current occupancy and use of the facility and properties immediately adjacent to the facility;
 8. Data on known sewer and utility lines, basements, and other artificial subsurface structures on and immediately adjacent to the facility;
 9. Copies of any report of any tightness test meeting the requirements under R18-12-243(C) or R18-12-244(B), performed during the investigation of the suspected release;

10. Laboratory analytical results of samples analyzed and received as of the date of the report;
11. Site plan showing the location of the facility property boundaries, release, sample collections for samples with laboratory analytical results submitted with the report, and identified receptors;
12. Current LUST site classification form described in R18-12-261.01(E); and
13. Information on any free product discovered under R18-12-261.02.

General Reporting Requirements – in addition to the specific reporting requirements listed above, each submittal to the Department must also conform to the general reporting requirements found at **A.A.C. R18-12-264**:

- A.** Standard first page. An owner or operator making a written submission to the Department under R18-12-251 through R18-12-263.03 shall prepare a cover page, on a Department provided form, that contains the following:
1. The name, address, and daytime telephone number of the person responsible for submitting the document, identified as owner, operator, a political subdivision under A.R.S. § 49-1052(H), a person under A.R.S. § 49-1052(I), or other person notifying the Department of a release or suspected release or conducting corrective actions under A.R.S. § 49-1016(C)(2) or (4), and any identifying number assigned to the person by the Department;
 2. Identification of the type of document or request being submitted;
 3. The LUST number assigned by the Department to the release that is the subject of the document. If no LUST number is assigned, the date the release or suspected release was reported to the Department;
 4. The name and address of the facility, and the facility identification number;
 5. The name, address, daytime telephone number, and any identification number assigned by the Department of the owner and operator and the owner of the property that contains LUST; and
 6. A certification statement signed by the owner or operator or the person conducting the corrective actions under A.R.S. § 49-1016(C) that reads: "I hereby certify, under penalty of law, that this submittal and all attachments are, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations."
- B.** Professional registration requirements. Both the professional submitting a written report to the Department under R18-12-260 through R18-12-263.03 and the report shall meet the requirements of the Arizona Board of Technical Registrations under A.R.S. Title 32, Chapter 1 and the rules made under that Chapter.

R18-12-280. Sampling Requirements

- A. Required analytical procedures.** For all sampling under this Chapter, an owner or operator shall:
1. Analyze samples for the chemicals of concern associated with regulated substances stored in the UST during its operational life by analytical test methods that are approved for analysis of each chemical of concern under A.A.C. R9-14-601 through R9-14-617. Before collecting samples, the Department may approve, a different procedure after considering whether the analytical data will be representative of the concentrations and compositions of volatile regulated substances existing in the contaminated medium;
 2. Perform sample analyses using a laboratory licensed for the selected analytical method by the Arizona Department of Health Services under A.A.C. R9-14-601 through A.A.C. R9-14-617; and
 3. Analyze samples within the specified time period required for the analytical test method under A.A.C. R9-14-601 through A.A.C. R9-14-617.
- B. Quality assurance and quality control (QA/QC).** For all required sampling under this Chapter, an owner or operator shall:
1. Decontaminate sampling equipment as provided in R18-12-281(Q);
 2. Handle and transport samples using a methodology that will result in analytical data that is representative of the concentrations and compositions of the chemicals of concern that may exist in the contaminated medium;
 3. Follow chain-of-custody procedures under R18-12-281(S), for all required sampling, including the condition and temperature of the samples received by the laboratory on the chain-of-custody record; and
 4. Follow generally accepted industry standards. For the purpose of subsection (B), “generally accepted industry standards” means those QA/QC procedures that are described in publications of national organizations concerned with corrective actions or that otherwise appear in peer-reviewed literature.
- C. Soil sampling.** An owner or operator shall perform all soil sampling required under this Chapter using a methodology that will result in analytical data that is representative of the concentrations and compositions of the chemicals of concern that may exist in the contaminated soil. The owner or operator shall use a sampling method that is based on consideration of all of the following criteria:
1. The specific chemicals of concern potentially involved,
 2. Site-specific lithologic conditions,
 3. Depth of sample collection, and
 4. Generally accepted industry standards. For the purpose of subsection (C), “generally accepted industry standards” means those soil sampling activities that are described in

publications of national organizations concerned with corrective actions or that otherwise appear in peer-reviewed literature.

- D. Groundwater sampling.** An owner or operator shall perform all required groundwater sampling under this Chapter using a methodology that will result in analytical data that is representative of the concentrations and compositions of the chemicals of concern that may exist in the groundwater. The owner or operator shall use a sampling method that is based on consideration of all of the following criteria:
1. The specific chemicals of concern potentially involved,
 2. Site-specific hydrologic conditions,
 3. Site-specific monitor well construction details,
 4. Depth of sample collection, and
 5. Generally accepted industry standards. For the purpose of subsection (D), “generally accepted industry standards” means those groundwater sampling activities that are described in publications of national organizations concerned with corrective actions or that otherwise appear in peer-reviewed literature.