

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY  
UNDERGROUND STORAGE TANK PROGRAM

## LUST Site Classification Form

ADEQ use only

DATE FORM COMPLETED: \_\_\_\_\_ (mm/dd/yy)

DATE RECEIVED: \_\_\_\_\_

FACILITY ID: 0-0 LUST NUMBER: \_\_\_\_\_ OTHER LUST(S) AT FACILITY: \_\_\_\_\_

RELEASE INFORMATION: [ leave blank if an initial site characterization report is attached ]

<u>Component</u>	<u>Location</u>	<u>Product</u>	<u>Quantity</u>
<input type="checkbox"/> tank <input type="checkbox"/> spill	_____	<input type="checkbox"/> gasoline <input type="checkbox"/> diesel <input type="checkbox"/> used oil	_____ gallons
<input type="checkbox"/> piping <input type="checkbox"/> overfill		<input type="checkbox"/> jet fuel <input type="checkbox"/> other: _____	

GEOLOGIC INFORMATION: [ leave blank if an initial site characterization report is attached ] [ bgs = below ground surface ]

Lithology: (indicate the scenario that most closely matches site conditions, attach site specific lithologic log if available)

alternating silt/sand/gravel    sands    alluvium overlying river run gravel    alluvium overlying bedrock

Depth To Bedrock: \_\_\_\_\_ feet bgs   known / estimated   Bedrock type:  igneous    sedimentary    metamorphic

HYDROLOGIC INFORMATION: [ leave blank if an initial site characterization report is attached ]

Groundwater Depth: \_\_\_\_\_ feet bgs   known / estimated   Aquifer type:  unconfined    confined    perched

Groundwater Flow Direction: \_\_\_\_\_   Gradient: \_\_\_\_\_ known / estimated

(ex: SW, NNW, ENE)

STATUS OF CORRECTIVE ACTION ACTIVITIES:[ leave blank if an initial site characterization report is attached ]

	<u>on-site</u>	<u>off-site</u>	<u>extent defined</u>	<u>remediation complete</u>
Vapors:	yes / no / unk	yes / no / unk	yes / no / NA	yes / no / NA
Soil:	yes / no / unk	yes / no / unk	yes / no / NA	yes / no / NA
Groundwater:	yes / no / unk	yes / no / unk	yes / no / NA	yes / no / NA
Surfacewater:	yes / no / unk	yes / no / unk	yes / no / NA	yes / no / NA
Free Product:	yes / no / unk	yes / no / unk	yes / no / NA	yes / no / NA

[ unk = unknown ] [ NA = not applicable ]

RECEPTOR INFORMATION:

On-site land use:	<input type="checkbox"/> residential	<input type="checkbox"/> non-residential			
Nearest public/private well:	_____ feet / miles	<input type="checkbox"/> no threat	<input type="checkbox"/> threatened	<input type="checkbox"/> impacted	<input type="checkbox"/> unknown
Nearest surfacewater:	_____ feet / miles	<input type="checkbox"/> no threat	<input type="checkbox"/> threatened	<input type="checkbox"/> impacted	<input type="checkbox"/> unknown

GROUNDWATER QUALITY:

potable    naturally non-potable    artificially non-potable, regional    artificially non-potable, locally

SITE CLASSIFICATION: (see *RBCA Site Classification Determination Worksheet*)

Current:      1      2      3      4      Previous:      1      2      3      4

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## RBCA Site Classification Determination Worksheet

Risk based corrective action (RBCA) site classification is based on the ASTM Standard for Risk-based Corrective Actions at Petroleum Release Sites and A.A.C. R18-12-261.01

**INSTRUCTIONS:** Circle the applicable criteria status for each receptor/media impact criterion. The site classification is determined by the column farthest to the left for which **ANY** criterion was circled.

CRITERIA FOR RECEPTOR/MEDIA IMPACT	APPLICABLE CRITERIA STATUS			
Explosive vapor levels in buildings	Yes	Potential		
Explosive vapor levels in subsurface conduits	Yes	Potential		
Vapor levels causing acute health effects in building	Yes	Potential		
Vapor levels causing acute health effects outdoors	Yes	Potential		
Free product in surficial soils	Yes			
Free product in subsurface conduits	Yes			
Contaminated surficial soils		R* <500 ft	R* >500 ft	
Contaminating subsurface soils			Leachable	Leachable
Active drinking water groundwater supply well impact (well screened in same interval as plume)	Yes	<2 years**	>2 years**	
Active drinking water groundwater supply well impact (well screened in different interval as plume)		Yes	Outside of plume	
Active non-potable use groundwater supply well impact (well screened in same interval as plume)		Yes	>2 years**	No use of groundwater
Active non-potable use groundwater supply well impact (well screened in different interval as plume)			Yes	Outside of plume
Free product on surface water	Yes			
Potable use surface water impact	Yes	R* <500 ft	R* <1500 ft	
Ecological and non-potable surface water impact	Yes	R* <500 ft	R* <1500 ft	
<b>RBCA Site Classification</b>	<b>1 Immediate threats</b>	<b>2 Short term threats</b>	<b>3 Long term threats</b>	<b>4 No long term threats</b>

**NOTES:**

- \* R denotes receptors, which may include, for purposes of site classification, persons, springs, surface water, agricultural and ecological habitats. Wells as receptors are treated separately.
- \*\* Time refers to plume migration to well. If no site specific data is available, assume a migration rate equivalent to groundwater flow velocity.