



IOWA DEPARTMENT OF NATURAL RESOURCES WATER SUPPLY NOTIFICATION

Complete form and submit it to: WATER SUPPLY SECTION, IOWA DEPARTMENT OF NATURAL RESOURCES, 502 E 9TH ST, DES MOINES IA 50319-0034 and if a county has delegated authority, to the designated county authority responsible for issuing private water supply construction permits or regulating non-public water well construction, as provided in accordance with Chapter 567-38 and 49 of the Iowa Administrative Code.
(PLEASE TYPE OR PRINT)

Responsible Party Name: _____ Phone: _____
 Tank Site Name: _____ LUST No.: _____ Registration No.: _____
 Address of Tank Site: _____ City: _____ Zip Code: _____
 County: _____ Contact Name: _____ Phone: _____
 Address: _____ City: _____ State: _____ Zip Code: _____

GLOBAL POSITIONING SYSTEM LOCATION OF PROPERTY

Latitude _____ Longitude _____

LEGAL DESCRIPTION OF PROPERTY

_____ ¼ _____ ¼ _____ ¼ Section No. _____
 Township No. _____ Range No. _____ E W County _____

	Maximum Concentrations of Chemicals of Concern Remaining At the Site					
	Group 1				Group 2: Total Extractable Hydrocarbons	
	Benzene	Toluene	Ethylbenzene	Xylenes	Diesel	Waste Oil
Soil (ppm)						
Tier 1 levels	0.54	42	15		3,800	
Groundwater (ppb)						
Tier 1 levels	290	7,300	3,700	73,000	75,000	40,000

Provide site maps showing soil and groundwater contamination, as described on the back of this form.

I certify that the foregoing information is true and correct to the best of my knowledge and agree to provide any additional information the department or county authority may need concerning this site.

Print Name , Address and Phone Number of Certified Groundwater Professional

Signature: _____

Date: _____

Purpose of DNR Form 542-1530

An area contaminated with petroleum hydrocarbon compounds may exist within your present or future water distribution system. The petroleum-based chemicals of concern include benzene, toluene, ethylbenzene, xylenes and other compounds found in gasoline, diesel and waste oil. These chemicals were introduced into the subsurface from a release at the site referenced on the second line on DNR Form 542-1530. They are often transported in the direction of groundwater flow and away from their point of introduction.

The main concern is for water well installed within the inferred, defined or predicted contamination zone (see attached form and maps). Although existing wells have not been impacted, contamination remains which is above the allowable levels for drinking water. The groundwater at this site is considered a protected groundwater source. Caution and possible further evaluation should be used before allowing drinking water wells to be installed in this area. This information is sent to you in response to present regulations (Iowa Administrative Code 135).

A risk-based corrective action (RBCA) assessment has been done at the site-either a Tier 1 or a Tier 2. At Tier 1, only a few samples are taken to try to identify the maximum contamination. If more assessment is needed, a Tier 2 is done where several samples are taken to see how far soil and groundwater contamination has spread. Therefore, if the attached maps are from Tier 1 they probably will show only a few soil and groundwater samples. If these maps are from Tier 2 they will show how far the actual contamination plume(s) have spread and computer-simulated contamination plume(s).

A standard DNR utility notification form (DNR Form 542-1530) and site map(s) are enclosed. The data may prove useful in determining whether to permit the installation of drinking water well(s) in the vicinity of the referenced site.

The table on the front side of this form contains the maximum contamination levels found in the soil and groundwater at this site. Below these numbers are two rows containing the Iowa DNR's Tier 1 levels (the top row is for actual receptors and the bottom row is for potential receptors).