



## IOWA DEPARTMENT OF NATURAL RESOURCES SANITARY SEWER NOTIFICATION

Complete form and submit it to: the public authority responsible for sewer construction in the area **and** to the Underground Storage Tank Section, Iowa Department Of Natural Resources, 502 E 9<sup>th</sup> St, Des Moines, IA 50319-0034.  
(PLEASE TYPE OR PRINT)

Responsible Party Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Tank Site Name: \_\_\_\_\_ LUST No.: \_\_\_\_\_ Registration No.: \_\_\_\_\_

Address of Tank Site: \_\_\_\_\_ City: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Public Authority Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

### GLOBAL POSITIONING SYSTEM LOCATION OF PROPERTY

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

### LEGAL DESCRIPTION OF PROPERTY

\_\_\_\_\_  $\frac{1}{4}$  \_\_\_\_\_  $\frac{1}{4}$  \_\_\_\_\_  $\frac{1}{4}$  Section No. \_\_\_\_\_

Township No. \_\_\_\_\_ Range No. \_\_\_\_\_  E  W County \_\_\_\_\_

	Maximum Concentrations of Chemicals of Concern Remaining At the Site			
	Group 1			Group 2
	Benzene	Toluene	Ethylbenzene	Diesel
<b>Soil (ppm)</b>				
Tier 2 levels	2.32	96	158	95,000
<b>Groundwater (ppb)</b>				
Tier 2 levels	3,080	40,390	91,930	4,400,000
<b>Soil Gas (<math>\mu\text{g}/\text{m}^3</math>) (optional)</b>				
Tier 1 levels	600,000	9,250,000		

Provide site maps showing the area where soil, groundwater and soil gas concentrations, 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 542-1532

An area contaminated with petroleum hydrocarbon compounds may exist within your present or future sanitary sewer 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 542-1532. They are often transported in the direction of groundwater flow and away from their point of introduction.

The main concern is for sanitary sewer lines located within the inferred, defined or predicted contamination zone (see attached form and maps). The public authority responsible for sewer construction must be notified of the environmental conditions whenever target level(s) are exceeded for potential sanitary sewers (sewers are not present now but could be placed in these areas at some point in the future). This form contains the maximum contamination levels found in the soil, groundwater and soil gas at this site. Below these numbers is a row containing the Iowa Department of Natural Resources' (DNR) Tier 1 and Tier 2 levels. The DNR considers contaminant levels above these values to have the potential for vapors to migrate along/through sanitary sewers to buildings. This information is sent to you in response to present regulations (Iowa Administrative Code 135).

Before a no action required classification can be obtained for this pathway, the values of contaminants must be below all the applicable Tier 1 and Tier 2 values listed in the table on the first page of this form or the owner or operator must submit to the DNR an acknowledgment from the public authority as to what plans, if any, exist for construction of sanitary sewers through the area of potential receptor exposure.

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 542-1532) and site map(s) are enclosed. The data may prove useful in planning during modification or expansion of your sanitary sewer system 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 is a row containing the Iowa DNR's Tier 1 levels.