

Posted 02/14/2000
Modified 04/20/2004

Public Water Well Sampling Results for Bedrock Sites -- Overview

As part of the Risk-Based Corrective Action (RBCA) process, any public water supply well located within one mile of a LUST site which is in a granular or nongranular bedrock area must be sampled for chemicals of concern [Refer to 135.10(3)“g”2]. The state UST Fund has contracted with the University Hygienic Laboratory (UHL) to sample selected wells which meet these criteria. Sampling is to be conducted semi-annually during the second and fourth quarters through 2000. In addition to the sampling summary provided here, results are also available in hard copy format at the DNR Records Center (515/242-5818).

- For viewing results via this web page, please consult both the Results and Comments pages.
- If there are any detections, please also refer to the lab data sheets.
- Lab data sheets and chromatograms for individual public water supplies can be found at DNR Records Center under:
LUST--Bedrock—PWS (name of public water supply)
such as: “LUST—Bedrock—PWS Waterloo”

Data limitations

- The screening criteria for selected PWSs were based on three areas of groundwater vulnerability (sinkholes, good bedrock aquifers protected by thin drift and variable aquifers protected by thin drift). This is not a direct correlation with granular and nongranular bedrock as defined in the LUST rules.
- This screening is not a comprehensive list of wells that need testing to meet the requirements of this subrule.
- Also, wells that were sampled may not necessarily meet the criteria of this subrule.

This sampling is simply an effort to reduce the costs of duplicate sampling when there are several LUST sites near a municipal well that needs sampling.

Public water supply wells not on the list which may require sampling for this subrule

If you are investigating a granular or nongranular bedrock LUST site and believe a public well which does not appear on this list should be tested, please contact the DNR UST section at 515/281-8011. We will determine whether it should be included in the next sampling event.

List of sites sampled where the name of the town is not the name of the Public Water Supply

Permit No.	PWSID #	Name
2036	5300947	ANAMOSA STATE PENITENTIARY
3198	5307943	ANAMOSA STATE PARK (for Wapsipinicon State Park owned by Iowa DNR)
6489	8209600	BETTENDORF DODDS VALLEY VIEW (for Dodds Valley View Water Association)
4954	9630001	DECORAH FREEPORT (for Freeport Water and Sanitary District, located east of Decorah)
5999	2326048	CLINTON IAWC (for Iowa American Water Co., Clinton District)
1165	5200304	SOLON LAKEVIEW KNOLLS (for the Lakeview Knolls Homeowners Association)
5864	8670701	TAMA POWESHIEK WA (for the Poweshiek Water Association, located south of Tama)

2284	2900603	BURLINGTON GREEN ACRES MHP (for Green Acres Mobile Home Park, sometimes listed under "Pauline E Smith" or "Smith, James L." or "Richard Smith")
5040	5200318	IOWA CITY RIVER HEIGHTS (for River Heights Property Owners Association)
5255	8400733	STRUBLE (for the S SIOUX CO RWS; Struble is the closest town to these wells, but Ireton is the mailing address)
2807	8251096	LONG GROVE SCOTT CCB (for county conservation board)
3790	3126342	ASBURY SUN VALLEY (for Sun Valley Water Corp/Bahl Co. in Asbury which is near Dubuque)
0533	3100600	DUBUQUE TABLE MOUND (Verde Water Co., Table Mound Park, Well 1)
0533	3100610	DUBUQUE TABLE MOUND (Verde Water Co., Table Mound Park, Well 2)
0597	5225101	IOWA CITY U of I (for University of Iowa)
5952	1716418	CLEAR LAKE U METHODIST CAMP (for United Methodist Camp)
3177	5208600	CORALVILLE WESTERN HILLS MHP (Western Hills mobile home park)

Abbreviations

B: benzene

E: ethylbenzene

MTBE: methyl-t-butyl ether

T: toluene

TEH: total extractable hydrocarbons

TEHd: total extractable hydrocarbons as diesel fuel

TEHgas: total extractable hydrocarbons as gasoline

TEHk: total extractable hydrocarbons as kerosene

TEHmo: total extractable hydrocarbons as motor oil

TEHms: total extractable hydrocarbons as mineral spirits

X: total xylenes

ug/L: micrograms per liter

ms/msd: matrix spike/matrix spike duplicate