

Ohio EPA Policy	Design Criteria; Hydrogeologic Evaluations on Surface Impoundment Sites	
DSW-0400.017 Removed	Statutory reference: Rule reference:	Ohio EPA, Division of Surface Water Revision 0, August 1, 1988 Removed, April 30, 2003
THIS POLICY DOES NOT HAVE THE FORCE OF LAW Pursuant to Section 3745.30 of the Revised Code, this policy was reviewed and removed.		

This policy does not meet the definition of policy contained in Section 3745.30 of the Ohio Revised Code. Ohio EPA is removing this document from the Division of Surface Water Policy Manual and is considering addressing this topic in a future rulemaking.

For more information contact:

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Design Criteria; Hydrogeologic Evaluations on Surface Impoundment Sites

PURPOSE: To provide design criteria guidelines for Hydrogeologic Evaluations on Surface Impoundment Sites

POLICY: 1) Head district geologist or unit supervisor receives a site evaluation request from the district engineer/scientist. The request should come in the form of an inter-office communication with an attached map locating the proposed site.

The following information should be included in the site evaluation request:

- a) Address of site or facility and the location outlined on an attached 7-1/2 minute topographical quadrangle map.
- b) Information pertaining to the characteristics of the sludge or wastewater to be applied (moisture content, chemical analysis).
- c) Information pertaining to application rates and type of application.

Information provided in the evaluation request will help expedite the land application approval process.

2) After receiving the request, all available agronomic, hydrogeologic, and land use information should be assembled by the district geologist. Also, relevant information may be requested from the district engineer/scientist.

In order to perform the site evaluation, the following sources of information should be investigated:

ODNR - Division of Soil and Water Conservation - Soil Surveys;

Soil Conservation Service - Site specific soil information;

ODNR - Division of Water - Ground Water - Well logs; Ground Water Availability Maps; Ground water reports and bulletins;

ODNR - Ohio Geological Survey - Bibliography of Ohio geologic reports and topographic maps.

OEPA - District Engineer - Other project or site specific information may be available through the district engineer/scientist in charge of the project; Ohio EPA manual for land application of sludge.

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The district geologist should assemble and evaluate the available information in order to define the following site specific characteristics:

- a) Land use in the vicinity of the site.
 - b) Site topography and drainage.
 - c) Chemical and physical properties of the soils.
 - d) General glacial and bedrock geology.
 - e) Hydrogeologic conditions.
 - f) Ground water use in the vicinity of the site.
- 3) District geologist writes the site evaluation (through the head district geologist or unit supervisor) in the form of a memorandum to the district engineer/scientist (within one week).

The site evaluation should contain the following information:

- a) Site specific characteristics
 - 1) land use
 - 2) information on the soils (chemical and physical properties)
 - 3) hydrogeologic conditions
 - 4) ground water use
- b) Comments on site suitability in reference to potential for ground water contamination from the land application operation.
- c) Recommendations on site specific limitations, and measures to prevent ground water contamination or on the need for additional operation.

All Ohio EPA correspondence with the applicant or interested parties should be addressed by the district engineer/scientist. The Ohio EPA is not responsible for obtaining necessary approvals from the local health department, county commissioners, municipal officials, zoning board, etc., for the applicant. Acknowledgement from local officials should be received, although their comments alone may not be used in the evaluation. Ohio EPA decisions must be based on state laws and regulations.

NOTE: A Hydrogeologic Inventory form for the site should be completed and a copy forwarded to Central Office.

Sludge or wastewater that has nutrient value applied at low rates and where hydrogeologic conditions are not sensitive to contamination, a ground water monitoring program will not be required.