

GENOA OFF-SITE FACILITY SITE SELECTION AND RANKING

Preliminary Screening Criteria

The preliminary screening process utilized the following nine general criteria that a site should meet to be suitable for landfill development:

1. The WDNR setback criteria (e.g., lakes, wetlands, rivers, airports, public parks/natural areas).
2. Existing topography consisting of slopes having grades of less than 3 feet horizontal to 1 foot vertical.
3. Natural screening of the landfill and adjacent properties and roads (e.g., trees, natural berms and adjacent hills).
4. The distance from DPC's Genoa plant to the site.
5. The number of acres needed to develop the desired landfill footprint and supporting facilities.
6. The surface water flow onto and off of the property.
7. The type of roads from the plant to the site and their condition (e.g., U.S., State, County, Township, and pavement or gravel).
8. The number, usage, and nature of improvements.
9. The present usage of the property (e.g., forestry, open space, agriculture).

Based on this preliminary screening 70 potential landfill sites were identified and features confirmed based on drive-by site investigations. The top 10 sites from the preliminary screening were then identified for further assessment.

Site Ranking

A second drive-by site investigation was performed on the top 10 sites to complete a more detailed evaluation, including neighboring properties, access from each site to primary highway routes, and general constraints for site development. Based on this evaluation the top 4 sites were ranked. The primary considerations in selecting the final 4 sites were:

1. Minimize travel distance from Genoa Station Unit 3.
2. Minimize road upgrade costs associated with the use of county and/or township roads.
3. Select a parcel that is of sufficient size to accommodate a new landfill and at least one expansion and that substantially satisfies typical regulatory landfill setback criteria.
4. Hydrogeologic features of the site must be supportive of landfill development.
5. Select a site that lends itself to natural screening from surrounding roadways and residences.
6. No bridges or associated seasonal roadway restrictions.