

## Closed Landfill Restricted Ordinance

### A. Purpose

The CLR is intended to apply to former landfills that are qualified to be under the Closed Landfill Program of the Minnesota Pollution Control Agency (MPCA). The purpose of the district is to limit use of land within the closed landfill, both actively filled and related lands, to minimal uses in order to protect the land from human activity where response action systems are in place and, at the same time, are protective to human health and safety. This district shall only apply to the closed landfill's Land Management Area, the limits of which are defined by MPCA. This district shall apply whether the landfill is in public (MPCA, County, City, Township), Indian Tribal, or private ownership.

For purposes of this ordinance, the Land Management Area for the Becker County Landfill, a qualified facility under the MPCA's Closed Landfill Program, is described as: (see attached legal description).

### B. Permitted Uses

The following uses are permitted within the CLR District:

1. Closed Landfill Management
2. Access Road Easement

### C. Accessory Uses

Accessory uses allowed in this district include outdoor equipment or small buildings used in concert with gas extraction systems, other response action systems, monitoring wells or any other equipment designed to protect, monitor or otherwise ensure the integrity of the landfill monitoring or improvement systems. Fences and gates shall apply under these provisions.

### D. Conditional Uses

Conditional uses shall be limited to uses that do not damage the integrity of the Land Management Area and that continue to protect any person from hazards associated with the Landfill. Any application for a conditional use must be approved by the Commission of the MPCA and Becker County. Such approved uses shall not disturb or threaten to disturb, the integrity of the landfill cover, liners, any containment system, the function of any monitoring system that exists upon the described property, or any other areas of the Land Management Areas that the Commissioner of the MPCA deems necessary for future response actions.

### E. Prohibited Uses and Structures

All other uses and structures not specifically allowed as conditional uses, or that cannot be considered as accessory uses, shall be prohibited in the CLR District.

F. Amendments

Any amendment to this ordinance must be approved by the Commissioner of the MPCA and Becker County.

G. Effective Date

This Ordinance shall be in full force and effect upon passage.

Adopted this \_\_\_24th\_\_\_\_\_ day of \_\_\_September\_\_\_\_\_, 2013.

ATTESTED:            Board of County Commissioners, Becker County, Minnesota

By: _____	By: _____
Donald Skarie, Chairman	Jack Ingstad, Administrator
Becker County Board of Commissioners	Becker County

**FINAL**

**CLOSED LANDFILL USE PLAN**

**BECKER COUNTY LANDFILL**

**AUGUST 13, 2013**

**Minnesota Pollution  
Control Agency**



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**CLOSED LANDFILL USE PLAN**  
**BECKER COUNTY LANDFILL**

**INTRODUCTION**

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In 1994, the Minnesota Legislature adopted the Landfill Cleanup Act (LCA) (Minn. Stat. 115B.39 - 115B.45) which created the Closed Landfill Program (CLP). Under the CLP, the Minnesota Pollution Control Agency (MPCA) is responsible for the cleanup and long term care of 112 closed, municipal, solid waste landfills throughout the State.

The mission of the CLP is to manage the risk to public health and the environment that is associated with these landfills. Landfill gas migration and groundwater contamination can be serious issues at some landfills. These problems can pose a threat to the health and safety of those living or occupying land nearby. In addition, chemicals leaching from landfills can degrade groundwater and surface water resources surrounding them. The MPCA addresses the risk to public health and the environment at the closed landfills by undertaking cleanup actions, operating and maintaining remediation systems (engineered covers, gas-collection and groundwater-treatment systems) and by monitoring groundwater, surface water, and landfill gas.

The risk to public health and safety is also mitigated by implementing land-use controls that minimize public exposure to landfill hazards and protect the state's response action equipment. In other words, future use of land at and around closed landfills needs to be planned carefully and responsibly. Minnesota Statutes 115B.412, Subd. 9 of the LCA requires the MPCA to develop a Land Use Plan for each of these landfills and for local government units (LGUs) to make their local land use plans consistent with the MPCA's plan for the site. Minnesota Statutes 115B.412, Subd. 4 requires the MPCA to provide LGUs certain information about the landfill and to incorporate this information in to their local land use planning. These statutes are provided in Appendix A.

The MPCA considers these statutory requirements, when put together, as a Closed Landfill Use Plan (CLUP). The purpose, then, for preparing a CLUP for each landfill is to:

- protect the integrity of the landfill's remediation and monitoring systems;
- protect human health and public safety at each landfill; and
- accommodate local government needs and desires for land use at the qualified facility with consideration for health and safety requirements.

To meet the requirements of subdivision 9 of the statute, LGUs that have land-use authority must make their land-use plans for the landfill consistent with the MPCA's plan for future use of, and obligations for, the facility. One way to accomplish this is for LGUs to make certain that their land-use designations and/or zoning ordinances are compatible with the MPCA's future responsibilities and uses for the Land Management Area. To meet the requirements of subdivision 4 of the statute, LGUs must consider the information about the landfill's contamination and methane gas migration in its land-use planning and also make this information available to those that want to develop the affected property. Also, LGUs may wish to adopt certain land-use controls in order to better protect public health and safety.

## **SITE LOCATION AND DESCRIPTION**

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The Becker County Landfill is located in Detroit Township, Becker County, Minnesota. A landfill's Land Management Area (LMA) includes the property described in the Landfill Cleanup Agreement between the MPCA and the landfill owner/operator, and may include adjacent property that contains waste, adjacent buffer property (land acquired for the purpose of restricting use by the public due to landfill gas or groundwater concerns), and adjacent property where response action equipment is located. At a minimum, the LMA will be comprised of the property in the Landfill Cleanup Agreement. In addition, the LMA is the property that is subject to Minnesota Statutes 115B.412, Subd. 9 of the LCA that requires the MPCA to develop a Land Use Plan for the landfill and with which the LGU's land use plan must be consistent. The LMA for the Becker County Landfill consists of about 45 acres described in the Landfill Cleanup Agreement and is shown in Appendix B and legally described as:

That part of the Northeast Quarter of the Northwest Quarter and that part of the Southeast Quarter of the Northwest Quarter in Section 17, Township 139 North, Range 41 West of the Fifth Principal Meridian in Becker County, Minnesota, described as follows:

Beginning at a found iron monument which designates the north quarter corner of said Section 17; thence South 01 degrees 04 minutes 19 seconds West 1670.13 feet on an assumed bearing along the east line of said Northeast Quarter of the Northwest Quarter; thence south 81 degrees 45 minutes 36 seconds West 176.21 feet; thence South 71 degrees 45 minutes 04 seconds West 733.47 feet; thence North 01 degrees 14 minutes 45 seconds East 306.73 feet; thence North 88 degrees 45 minutes 15 seconds West 440.00 feet to the west line of said Southeast Quarter of the Northwest Quarter; thence North 01 degrees 14 minutes 45 seconds East 1435.00 feet along the west line of said Northeast Quarter of the Northwest Quarter; thence South 88 degrees 45 minutes 15 seconds East 250.00 feet; thence South 01 degrees 14 minutes 45 seconds West 510.00 feet; thence South 88 degrees 45 minutes 15 seconds East 380.16 feet; thence North 20 degrees 48 minutes 42 seconds East 133.66 feet; thence northerly on a curve concave to the west, having a central angle of 76 degrees 56 minutes 39 seconds and a radius of 358.00 feet, for a distance of 480.77 feet (chord bearing North 17 degrees 39 minutes 37 seconds West) to a point of reverse curvature; thence northerly on a curve concave to the east, having a central angle of 65 degrees 44 minutes 49 seconds and a radius of 92.00 feet, for a distance of 105.57 feet (chord bearing North 23 degrees 15 minutes 32 seconds West); thence North 09 degrees 36 minutes 52 seconds East 83.98 feet to the north line of said Section 17; thence South 88 degrees 54 minutes 16 seconds East 794.70 feet along the north line of said Section 17 to the point of beginning. The above described tract contains 44.74 acres.

SUBJECT TO an easement for public road purposes for County Road No. 144 right of way easement over, under and across that part of the above described tract which lies within 33.00 feet of the north line of said Section 17.

ALSO RESERVING AND HEREIN INCLUDED is a 66.00 foot wide easement for roadway purposes over, under and across part of the above described tract and over, under and across part of said Northeast Quarter of the Northwest Quarter, part of said Southeast Quarter of the Northwest

Quarter, and part of the West Half of the Northeast Quarter of said Section 17. The centerline of said 66.00 foot wide roadway easement is described as follows:

Beginning at an iron monument which designates the north quarter corner of said Section 17; thence south 01 degrees 04 minutes 19 seconds West 1670.13 feet along the east line of said Northeast Quarter of the Northwest Quarter and along the east line of said Southwest Quarter of the Northwest Quarter; thence South 81 degrees 45 minutes 36 seconds West 176.21 feet; thence South 70 degrees 49 minutes 13 seconds West 507.20 feet; thence northerly on a curve concave to the east, having a central angle of 39 degrees 20 minutes 21 seconds and a radius of 540.00 feet, for a distance of 370.76 feet (chord bearing North 20 degrees 31 minutes 24 seconds West); thence North 00 degrees 51 minutes 14 seconds West 196.30 feet; thence North 07 degrees 50 minutes 37 seconds East 566.41 feet; thence North 20 degrees 48 minutes 42 seconds East 205.18 feet; thence northerly on a curve concave to the west, having a central angle of 76 degrees 56 minutes 39 seconds and a radius of 325.00 feet, for a distance of 436.45 feet (chord bearing North 17 degrees 39 minutes 37 seconds West) to a point of reverse curvature; thence northerly on a curve concave to the east, having a radius of 125.00 feet, for a distance of 143.44 feet (chord bearing North 23 degrees 15 minutes 32 seconds West); thence North 09 degrees 36 minutes 52 seconds East 79.04 feet to the north line of said Section 17 and said centerline there terminates. The sidelines of said 66.00 foot wide roadway easement shall be prolonged or shortened to terminate on the north line of said Section 17.

The Landfill began accepting municipal solid waste (MSW) in 1972. The Landfill operation closed in 1990. The waste footprint of the MSW cell is approximately 33 acres. The MPCA took over responsibility for the Landfill in 1996 when the MPCA and Becker County signed the Landfill Cleanup Agreement and the MPCA issued the Notice of Compliance. The property is currently owned by Becker County.

## **GROUNDWATER AND METHANE GAS AREAS OF CONCERN**

### **Groundwater Area of Concern**

The Groundwater Area of Concern (GWAOC) is defined as the area of land surrounding a landfill where the presence of activities that require the use of groundwater may be impacted or precluded by contamination from the landfill, or may cause the groundwater flow direction to change thereby impacting the user or others nearby. The GWAOC is used to inform the public about the current and potential risks to users of groundwater contaminated by the landfill. In most circumstances this area is not equidistant around the site. The GWAOC is shown in Appendix C.

The Becker County Landfill has eighteen (18) groupings of thirty (30) wells monitoring both the quality and elevation of the groundwater. Data indicate the groundwater consistently flows southeast, beneath the waste area, at a rate of 150 – 200 ft per year. Groundwater has been contaminated with volatile organic compounds (VOCs), such as, vinyl chloride and tetrachloroethene (PCE). The levels of both VOCs have been detected at levels exceeding MDH drinking water standards in some monitoring wells and several residences. A total of twelve (12) private water supply wells are tested regularly and four (4) have been provided with treatment to their water supplies due to exceedances of health risk standards. Response actions at the site include the installation of an impermeable cover over the degrading waste,

along with an active gas extraction system, both of which help to reduce the amount of VOCs and metals that dissolve into the groundwater. Additionally, a groundwater pump and treat system is in operation minimizing additional contamination leaving the site. The map describes an area of groundwater concern, primarily to the southeast, where any future installation of water supply wells or high-capacity wells may serve to encourage contaminant movement to flow more rapidly in that direction.

### Methane Gas Area of Concern

The Methane Gas Area of Concern (MGAOC) is defined as the area of land surrounding a landfill waste footprint where the presence of certain activities, such as construction of enclosed structures, may be impacted or precluded by subsurface migration of methane gas. Methane gas is an odorless gas produced when municipal solid waste decomposes, and can be explosive in confined spaces such as basements when mixed in air. The MGAOC is used to inform the public about the risks to current and future land owners regarding certain uses they may want to consider. The MGAOC is shown in Appendix D.

Surficial soils in the vicinity of the Becker County Sanitary Landfill are generally sandy loam. Ground water is approximately 10 feet below surface. The Landfill has a polyethylene cap cover system covering 100% of the footprint and an active gas extraction system. Approximately 1,372,000 cubic yards of MSW were reportedly disposed of at the Landfill. The footprint covers approximately 33 acres.

There are currently 24 active gas vents at the Landfill. There are 12 methane monitoring probes. Methane sampling results indicate the active gas system is controlling off site gas migration.

Based on the site characteristics noted above, sampling results, and recognizing the potential for gas to move under seasonal impermeable (frozen) conditions, the MGAOC extends 200 feet beyond the waste footprint.

It is important to note that these Areas of Concern can change over time. Therefore, updated information will be provided to the County when the existing information becomes obsolete or misleading.

### **CURRENT ZONING FOR THE LMA**

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The LMA for the Becker County Landfill is zoned General Agriculture (GA) District. The General Agriculture (GA) District is intended to provide a district that will allow suitable areas of Becker County to be retained in agricultural use and prevent non-farm development; secure economy in governmental expenditures for private services, utilities and schools, and permit the use and enjoyment of lakes, rivers and streams by non-farm land uses based on a reasonable attempt to recognize the general purpose of this district.

Permitted uses include: Agricultural building, cropland and pasture, agricultural feedlot, forestry, single-family residence (one per lot), single recreational vehicle, church and, portable saw mill.



Conditional uses include: Commercial feedlots, home occupation, group care facility, parks and historic sites, cemetery, school, nursing home, commercial (general), extractive use, junk or salvage yard, saw mills, essential services as defined, tower facilities and mass gathering.

#### **DECLARATION OF RESTRICTIONS AND COVENANTS**

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The Landfill Cleanup Agreement and Declaration of Restrictions and Covenants were signed by Becker County and the MPCA, and filed with the Becker County Recorder on June 6, 1996 as document no. 421821. The Declaration, which runs with the land, prohibits the County from:

- constructing any structure on the LMA without the written approval of the Commissioner of the MPCA; and
- installing any drinking water wells on the LMA without the prior written approval of the Commissioner of the MPCA.

#### **STATE BOND FINANCED PROPERTY**

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The MPCA used proceeds from the sale of State general obligation bonds for capital costs of environmental response actions that MPCA undertook at the Landfill. As a result of this expenditure of State bond proceeds, the publicly owned property where the environmental response actions were taken became "State Bond Financed Property" as that term is defined by Minn. Stat. § 16A.695. As the owner this State Bond Financed Property, the County and the MPCA are subject to the requirements of Minn. Stat. § 16A.695 and any orders or rules adopted by the Commissioner of Minnesota Management and Budget (MMB) under that statute.

Minn. Stat. § 16A.695 and the MMB Commissioner's Fourth Amended Order Relating to the Use and Sale of State Bond Financed Property (the Order) impose certain requirements on any sale, mortgage, or other disposition of State Bond Financed Property, or any lease or contract for the use or management of the property entered into by the County or the MPCA Commissioner. The statutory requirements include, but are not limited to, obtaining the approval of the Commissioner of MMB before the County or the MPCA Commissioner enter into any such transaction (sale, lease, etc.) with respect to the property.

In order to assure that the requirements of Minn. Stat. § 16A.695 and the Order are carried out with respect to all State Bond Financed Property, the MMB Commissioner requires that a Declaration be recorded on the property records indicating that any sale of the property may be subject to the MMB Commissioner's approval. Such Declarations, pertaining to the LMA property and an adjacent property legally described as:

The Southwest Quarter of the Northeast Quarter (SW ¼ NE ¼) of Section 17, Township 139 North, Range 41 West of the Fifth Principal Meridian, Detroit Township, Becker County, Minnesota.

were signed by the County and MPCA and filed with the Becker County Recorder on August 2, 2013 as document numbers 609842 and 609843.

### **MPCA'S LAND USE PLAN FOR THE LMA**

The MPCA's first and foremost responsibility regarding the Landfill is to manage the risk to public health and safety. It does this by taking response actions, maintaining the Landfill, and working with local governments to assure land use is commensurate with landfill conditions and MPCA's obligations on the LMA, as well as the conditions on the affected land off the LMA. Therefore, land uses associated with the MPCA's obligation to protect public health and safety take precedence over other possible land uses.

The MPCA has identified land uses for the LMA. It has done so by considering the methane gas and groundwater areas of concern, the types and locations of response actions and associated equipment, the amount of the LMA occupied by landfill waste, and local land-use desires. The land uses on the LMA that are acceptable to the MPCA are:

- Closed Landfill Management,
- Access Road Easement,
- Groundwater Pump & Treat System Area, and
- Solar Energy Farm Use.

Appendices E through H show where these uses would be allowed within the LMA.

Closed Landfill Management is the use associated with the MPCA's responsibility and obligation to take necessary response actions on the property as provided in Minn. Stat. §§ 115B.39-43.

### **DISCUSSION / CONCLUSIONS**

#### **Land Uses on the LMA**

Minn. Stat. § 115B.412, Subd. 9 requires all local land-use plans be consistent with the MPCA's land-use plan for the LMA. The MPCA's future obligations for the LMA conflict with the current local land-use plan; specifically the County's General Agriculture zoning for the property. The MPCA believes that most of the uses within the current zoning for the LMA are not compatible with the MPCA's future responsibilities for the site as well as the risks associated with the Landfill. As a result, the MPCA recommends that the County adopt a new zoning district and ordinance for the LMA. The MPCA recommends the County adopt a zoning district called Closed Landfill Restricted (CLR) with an ordinance similar in form to the one included in Appendix I.

The new zoning, however, should reflect the land uses identified above – Closed Landfill Management, Access Road Easement and Groundwater Pump & Treat System Area – and in Appendices E through H. The MPCA recommends that "Closed Landfill Management" be included as a permitted use for the

entire LMA while “Access Road Easement” , “Groundwater Pump & Treat System Area” and “Solar Energy Farm Use” be included as conditional uses (conditioned upon location).

Regardless of future land use on the LMA, the provisions within the Declaration of Restrictions and Covenants recorded against the property prohibit the construction of structures without prior written approval of the MPCA. The installation of drinking water wells without prior written approval of the MPCA is identified in the LCA.

#### Affected Property off the LMA

Minn. Stat. § 115B.412, Subd. 4(b) requires local units of government to incorporate information about the landfill and associated groundwater contamination and landfill gas migration into any land-use plans and to notify persons applying for a permit to develop affected property of the existence of this information and, on request, to provide them with the information.

Certain land-use controls pertinent to groundwater use and well construction within the GWAOC currently exist to protect public health and safety. First, Minn. Rules Chapter 4725.4450, subp. 1 requires that a water supply well cannot be constructed within 300 feet of the Landfill. Second, the Minnesota Department of Health (MDH) has the authority to approve the construction of drinking water wells. Therefore, the information pertaining to the GWAOC will be provided to MDH to assist them with their authority for approving the construction of potential new wells near the Landfill.

The MGAOC extends off the LMA on to adjacent property. Currently, methane gas is controlled at the Landfill but migration of methane off the property is possible, especially under frozen conditions and if the active gas extraction system were to unforeseeably shut down. Therefore, the MPCA recommends that Becker County implement a land use management tool, such as setbacks or an overlay, in order to address the MGAOC.

#### **DISCLAIMER**

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The MPCA makes no representations or warranties to the user of the accuracy, currency, suitability, or reliability of the data presented in this report. Any recommendations made by the MPCA in this report are based solely on the data it has, or its contractors have, collected, and only from data collected at specific locations and times. Other sources of contamination or methane, unknown to the MPCA, could exist off the LMA property. The MPCA recommends that any person interested in developing property near the Landfill first consult with an environmental consulting or engineering firm, and/or an environmental attorney, regarding the possible risks associated with the Landfill.



# Appendix A

## 2011 Minnesota Statutes

### 115B.412 PROGRAM OPERATIONS

#### Subd. 4. Affected real property; notice.

(a) The commissioner shall provide to affected local government units, to be available as public information, and shall make available to others, on request, a description of the real property described in the original and any revised permits for a qualified facility, along with a description of activities that will be or have been taken on the property under sections [115B.39](#) to [115B.43](#) and a reasonably accurate description of the types, locations, and potential movement of hazardous substances, pollutants and contaminants, or decomposition gases related to the facility. The commissioner shall provide and make this information available at the time the facility is placed on the priority list under section [115B.40, subdivision 2](#); shall revise, provide, and make the information available when response actions, other than long-term maintenance actions, have been completed; and shall revise the information over time if significant changes occur that make the information obsolete or misleading.

(b) A local government unit that receives information from the commissioner under paragraph (a) shall incorporate that information in any land use plan that includes the affected property and shall notify any person who applies for a permit related to development of the affected property of the existence of the information and, on request, provide a copy of the information.

#### Subd. 9. Land management plans.

The commissioner shall develop a land use plan for each qualified facility. All local land use plans must be consistent with a land use plan developed under this subdivision. Plans developed under this subdivision must include provisions to prevent any use that disturbs the integrity of the final cover, liners, any other components of any containment system, or the function of any monitoring systems unless the commissioner finds that the disturbance:

(1) is necessary to the proposed use of the property, and will not increase the potential hazard to human health or the environment; or

(2) is necessary to reduce a threat to human health or the environment.

Before completing any plan under this subdivision, the commissioner shall consult with the commissioner of management and budget regarding any restrictions that the commissioner of management and budget deems necessary on the disposition of property resulting from the use of bond proceeds to pay for response actions on the property, and shall incorporate the restrictions in the plan.

# Appendix B: Land Management Area (LMA) - BECKER COUNTY SANITARY LANDFILL



**Minnesota Pollution Control Agency**

**Site Contacts**

Land Manager: Tom Newman

Engineer: Peter Tiffany

Hydrogeologist: Kate Rolf

## Site Features

 **Waste Footprint**


 **Land Management Area**  
Designates the property that is under the responsibility and control of the MPCA.

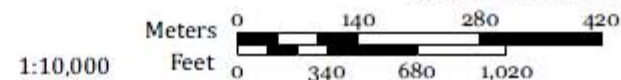


Image courtesy of USGS © 2012 Microsoft Corporation

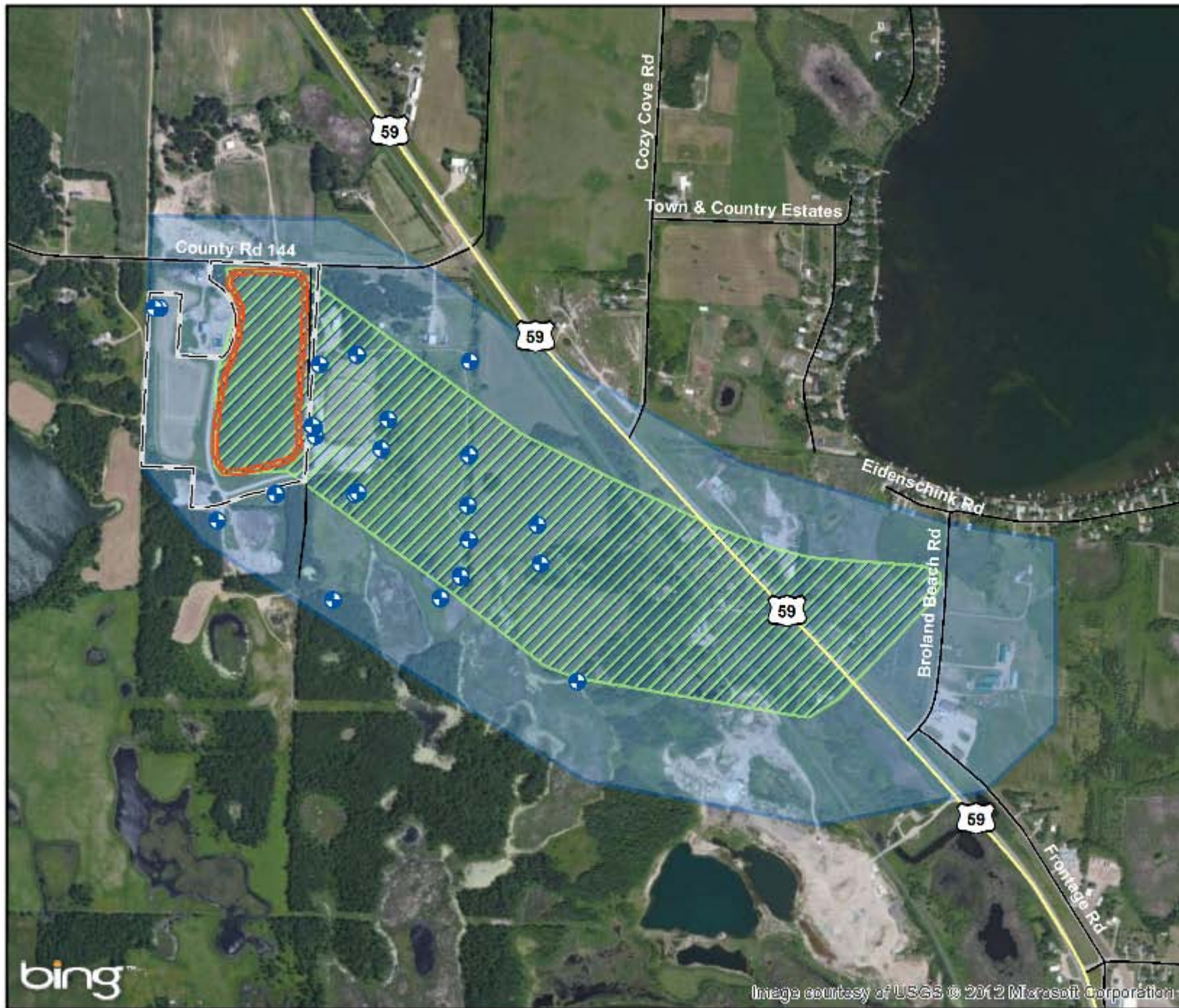


**DISCLAIMER:** The State of Minnesota makes no representations or warranties to the user as to the accuracy, currency, suitability or reliability of this data for any purpose. This map depicts a reasonable approximation of impacts from the landfill only and makes no inference about impacts from other potential sources.

Created 12/17/2012



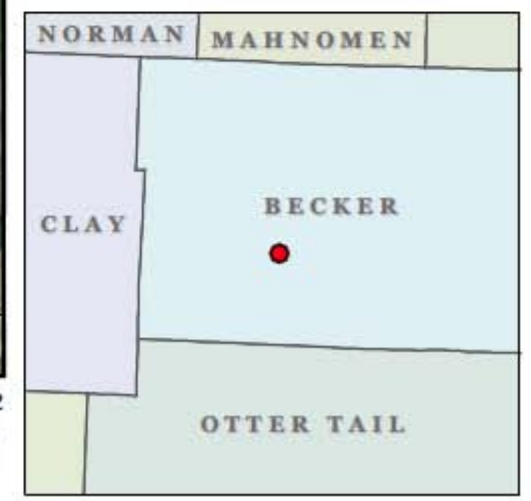
# Appendix C: CLP Ground Water Area of Concern (GWAOC) - BECKER COUNTY SANITARY LANDFILL



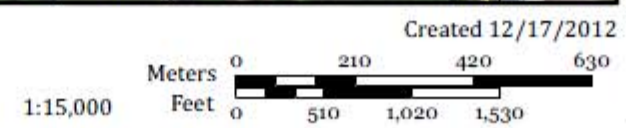
**Site Contacts**  
 Land Manager: Tom Newman  
 Engineer: Peter Tiffany  
 Hydrogeologist: Kate Rolf

**Site Features**

- Monitoring Well
- Waste Footprint
- Land Management Area  
*Designates the property that is under the responsibility and control of the MPCA.*
- Groundwater Plume  
*Approximate area of the subterranean contaminated groundwater plume.*
- Groundwater Area of Concern  
*An area where the groundwater may be affected by landfill contamination.*



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# Appendix D: CLP Methane Gas Area of Concern (MGAOC) - BECKER COUNTY SANITARY LANDFILL







**Minnesota Pollution Control Agency**

**Site Contacts**

Land Manager: Tom Newman  
 Engineer: Peter Tiffany  
 Hydrogeologist: Kate Rolf

**Site Features**

-  **Gas Probe**
-  **Waste Footprint**
-  **Land Management Area**  
*Designates the property that is under the responsibility and control of the MPCA.*
-  **Methane Area of Concern**  
*Area surrounding the landfill that may be impacted by subsurface migration of methane gas.*



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# Appendix E: Closed Landfill Management Land Use Area - BECKER COUNTY SANITARY LANDFILL




**Minnesota Pollution Control Agency**


**Site Contacts**

Land Manager: Tom Newman  
 Engineer: Peter Tiffany  
 Hydrogeologist: Kate Rolf

**Site Features**

 **Waste Footprint**

 **Land Management Area**  
*Designates the property that is under the responsibility and control of the MPCA.*

 **Closed Landfill Management Land Use Area**



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# Appendix F: Access Road Easement - BECKER COUNTY SANITARY LANDFILL



**Minnesota Pollution Control Agency**

**Site Contacts**

Land Manager: Tom Newman  
 Engineer: Peter Tiffany  
 Hydrogeologist: Kate Rolf

**Site Features**

**Waste Footprint**

**Land Management Area**  
*Designates the property that is under the responsibility and control of the MPCA.*

**Access Road Easement**



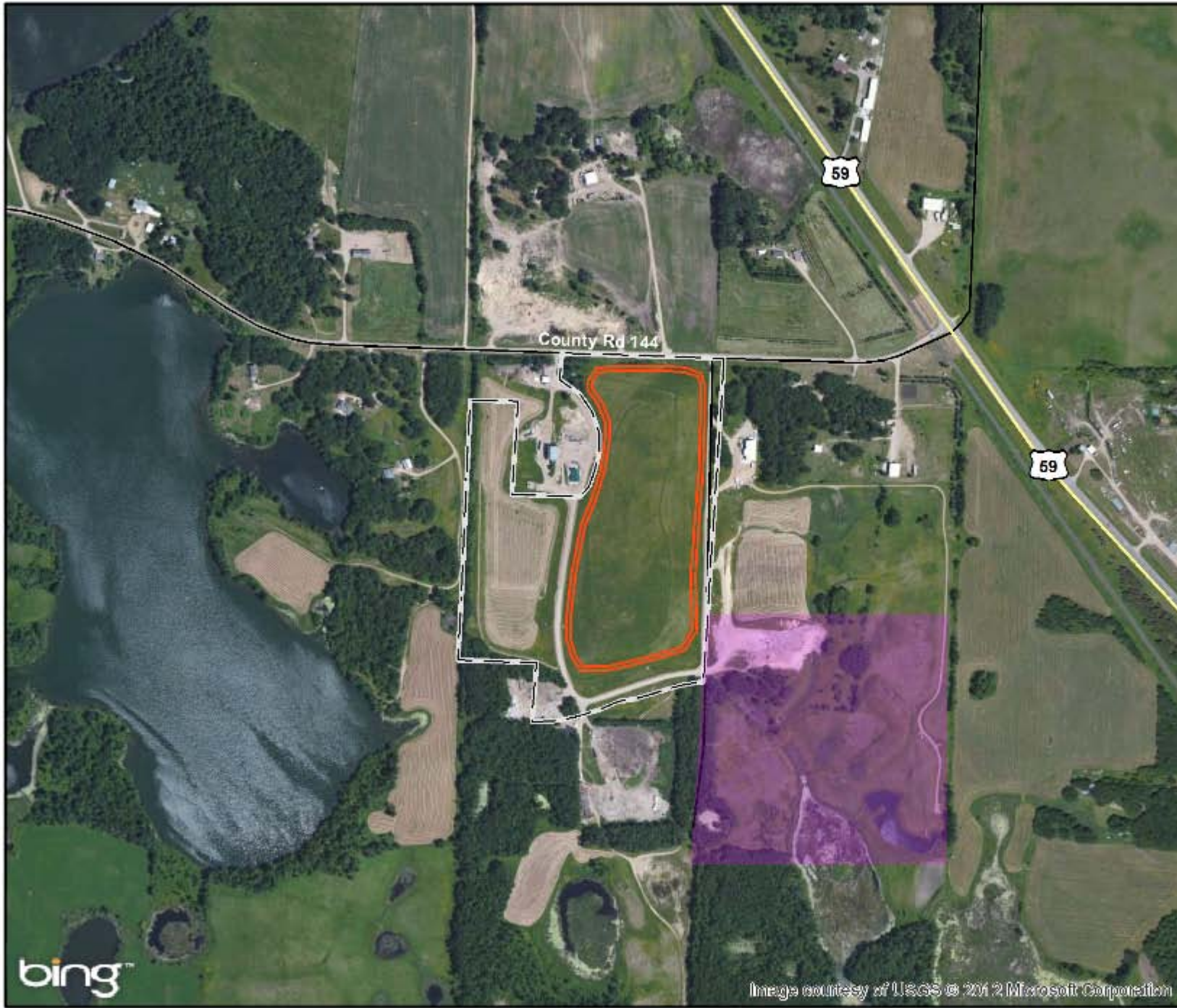
bing™

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# Appendix G: Groundwater Pump and Treat System Area - BECKER COUNTY SANITARY LANDFILL




**Minnesota Pollution Control Agency**


**Site Contacts**

Land Manager: Tom Newman  
 Engineer: Peter Tiffany  
 Hydrogeologist: Kate Rolf

**Site Features**

 **Waste Footprint**

 **Land Management Area**  
*Designates the property that is under the responsibility and control of the MPCA.*

 **Groundwater Pump and Treat System Area**



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# Appendix H: Solar Energy Farm Use - BECKER COUNTY SANITARY LANDFILL







**Minnesota Pollution Control Agency**

**Site Contacts**

Land Manager: Tom Newman  
 Engineer: Peter Tiffany  
 Hydrogeologist: Kate Rolf

**Site Features**

-  **Monitoring Well**
-  **Waste Footprint**
-  **Land Management Area**  
*Designates the property that is under the responsibility and control of the MPCA.*
-  **Solar Energy Farm Use**



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