Minnesota Pollution Control Agency

STATE OF MINNESOTA

Minnesota Pollution Control Agency

MUNICIPAL DIVISION
PUBLIC NOTICE OF INTENT TO REISSUE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)/
STATE DISPOSAL SYSTEM (SDS) PERMIT MN0054127

Public Comment Period Begins:	June 21, 2012
Public Comment Period Ends:	July 20, 2012
Current Permit Issued:	September 18, 2007
Current Permit Expiration Date:	August 31, 2012

Name and Address of Permittee:
City of Dassel
P.O. Box 391
Dassel, MN 55325-0391

Facility Name and Location:
Dassel Wastewater Treatment Facility
Highway 15 West
Section 27, T119N, R29W,
Dassel Township, Meeker County, Minnesota

Receiving Water: Unnamed wetland (Class 2D, 3D, 4C, 5, 6 water)

Description of Permitted Facility:
The Dassel Wastewater Treatment Facility (Facility) is located in the SW¼ of the SE¼ of Section 27, Township 119 North, Range 29 West, Dassel Township, Meeker County, Minnesota.

The Facility is designed for an average dry weather flow of 0.157 million gallons per day (MGD) and an average wet weather (AWW) flow of 0.188 MGD with a five-day carbonaceous biochemical oxygen demand ($CBOD_5$) strength of 209 milligrams per liter (mg/L) at the AWW design flow. It is a Class B facility.

The Facility consists of four lift stations, approximately 7,000 linear feet of forcemain, a three-cell stabilization pond system consisting of two primary ponds and one secondary pond, and an activated sludge system. Each pond has a surface area of 7.5 acres at the mean operating depth. The mean operating depth of the primary ponds is 4 feet with a maximum operating depth of 6 feet. The mean operating depth of the secondary pond is 6 feet with a maximum operating depth of 8 feet. The ponds system is designed for 210 days of storage. Effluent from the pond system can be discharged to the spray irrigation sites, the unnamed wetland or to the activated sludge treatment system. Chemical addition for phosphorus removal is completed in the secondary pond.

The activated sludge treatment system consists of 2 aeration basins, 1 final clarifier, chemical addition for phosphorus removal, chlorination and dechlorination. Biosolids from the activated sludge system are discharged to the primary stabilization ponds. The activated sludge system is not operated at all times and is seldom needed to meet permit discharge conditions.

The spray irrigation fields total approximately 139 acres.

The spray irrigation fields are identified as follows:

	Pivot A	Pivot B	Solid Set 1	Solid Set 2	Solid Set 3	Pivot C	Solid Set 4	Solid Set 5
Area (acres)	20.5	27.1	10.1	10.2	24.3	29.7	6.9	10.3
Total area = 139.1 acres								

The spray irrigation system will continue to be utilized to the fullest possible extent. The surface water discharge will be utilized to relieve potential hydraulic overloading of the ponds and spray irrigation sites and only during the "acceptable discharge periods" for stabilization pond facilities. Because a discharge in the fall would be least likely to contribute to the growth of algae, surface water discharges will occur during the fall discharge period (September 15 – December 15), and on an emergency basis only during the spring discharge period (March 1 – June 15).The total permitted volume of treated effluent discharged via spray irrigation remains at 59.5 million gallons per year (MGY). The total volume of treated effluent discharged to the surface water is limited to 17 MGY. There are no designed bypasses in either the existing or proposed disposal systems.

The Facility is further described in the original plans and specifications by the firm of Meyer-Rohlin, Inc., of Buffalo, Minnesota; in a plans and specifications approval letter dated February 22, 1984; in a facilities plan by McCombs Frank Roos Associates, Inc. (MFRA), of Plymouth, Minnesota, received June 30, 1999; in a facilities plan amendment by MFRA dated February 9, 2001; in an environmental assessment worksheet (EAW) dated October 13, 2000; in an EAW Findings of Fact dated April 3, 2001; in correspondence and reports on file with the MPCA; in a permit application for the proposed expansion; and in facilities plan amendment no. 2, dated December 2001, by Bolton & Menk, Inc., of Burnsville, Minnesota.

The location of the Facility is shown on the map on page 5.

Preliminary Determination on the Draft Permit
The MPCA Commissioner has made a preliminary determination to reissue this NPDES/SDS permit for a term of approximately five years.

A draft permit is available for review at the MPCA office at the Marshall address listed below, at the Willmar regional office and on-line at http://www.pca.state.mn.us/news/data/index.cfm?PN=1.

A copy of the draft permit will be mailed to you if the MPCA receives your written or oral request at this office. If you have questions about this draft permit or the Commissioner's preliminary determination, please contact Ashley Wahl at 507-476-4264.

Written Comments
You may submit written comments on the conditions of the draft permit or on the Commissioner's preliminary determination.

MPCA Decision

You may submit a petition to the Commissioner requesting that the MPCA Citizens' Board (Board) consider the permit issuance. To be considered timely, the petition must be received by the MPCA by 4:30 p.m. on the date the public comment period ends, identified on page 1 of this notice. Under the provisions of Minn. Stat. § 116.02, subd. 6(4), the decision whether to issue the permit and, if so, under what terms will be presented to the Board for decision if: (1) the Commissioner grants the petition requesting the matter be presented to the Board; (2) one or more Board members request to hear the matter before the time the Commissioner makes a final decision on the permit; or (3) a timely request for a contested case hearing is pending. You may participate in the activities of the Board as provided in Minn. R. 7000.0650.

The written comments, requests, and petitions submitted on or before the last day of the public comment period will be considered in the final decision on this permit. If the MPCA does not receive written comments, requests, or petitions during the public comment period, MPCA staff as authorized by the Board, will make the final decision on the draft permit.

Comments, petitions, and/or requests must be submitted in writing on or before the end date of the public comment period identified on page 1 of this notice to:

Ashley Wahl
Municipal Division
504 Fairgrounds Road, Suite 200
Marshall, MN 56258