STATE OF MINNESOTA

Minnesota Pollution Control Agency

Industrial Division

National Pollutant Discharge Elimination System (NPDES)/
State Disposal System (SDS) Permit MN0045489

PERMITTEE:	Saint Louis Park city of	
FACILITY NAME:	Reilly Tar Site GW Remediation Site	
RECEIVING WATERS:	Wetland (Class 2D,3D,4C,5,6 water)	Minnehaha Creek (Class 2B, 3C, 4A, 4B, 5,6 water)
CITY:	St. Louis Park	**COUNTY:** Hennepin
ISSUANCE DATE:		**EXPIRATION DATE:**

The state of Minnesota, on behalf of its citizens through the Minnesota Pollution Control Agency (MPCA), authorizes the Permittee named above to operate a groundwater treatment system and to discharge from this facility to the receiving waters named above, in accordance with the requirements of this permit.

The goal of this permit is to reduce pollutant levels in point source discharges and protect water quality in accordance with Minnesota and U.S. statutes and rules, including Minn. Stat. chs. 115 and 116, Minn. R. chs. 7001, 7050, 7053, 7060, 7090, and the U.S. Clean Water Act.

This permit is effective on the issuance date identified above, and supersedes the previous permit that was issued for this facility on November 1, 2005. This permit expires at midnight on the expiration date identified above.

Signature: _____

Jeff Udd, P.E.
Supervisor, Water Quality Permits Unit
Water Section
Industrial Division

for The Minnesota Pollution Control Agency

Submit DMRs to:
submitted electronically via
the MPCA Online Services Portal

Submit Other WQ Reports to:
Attention: WQ Submittals Center
Minnesota Pollution Control Agency
520 Lafayette Rd N
St Paul, MN 55155-4194

Questions on this permit?

- For DMR and other permit reporting issues, contact: Tamara Dahl, 507-476-4252.
- For specific permit requirements or permit compliance status, contact: Eric Pederson, 651-757-2645.
- General permit or NPDES program questions, contact: MPCA, 651-282-6143 or 1-800-657-3938.

Table of Contents

Permitted Facility Description 3

Aerial Photo Showing Treatment System and SD 001 Location 4

Aerial Photo Showing SLP 6 and SD 002 Location 5

Topographic Map of Permitted Facility 6

Summary of Stations and Station Locations 7

Limits and Monitoring Requirements 8

Chapter 1. Ground Water Pumpout 10

Chapter 2. Surface Discharge Stations 11

Chapter 3. Total Facility Requirements 13

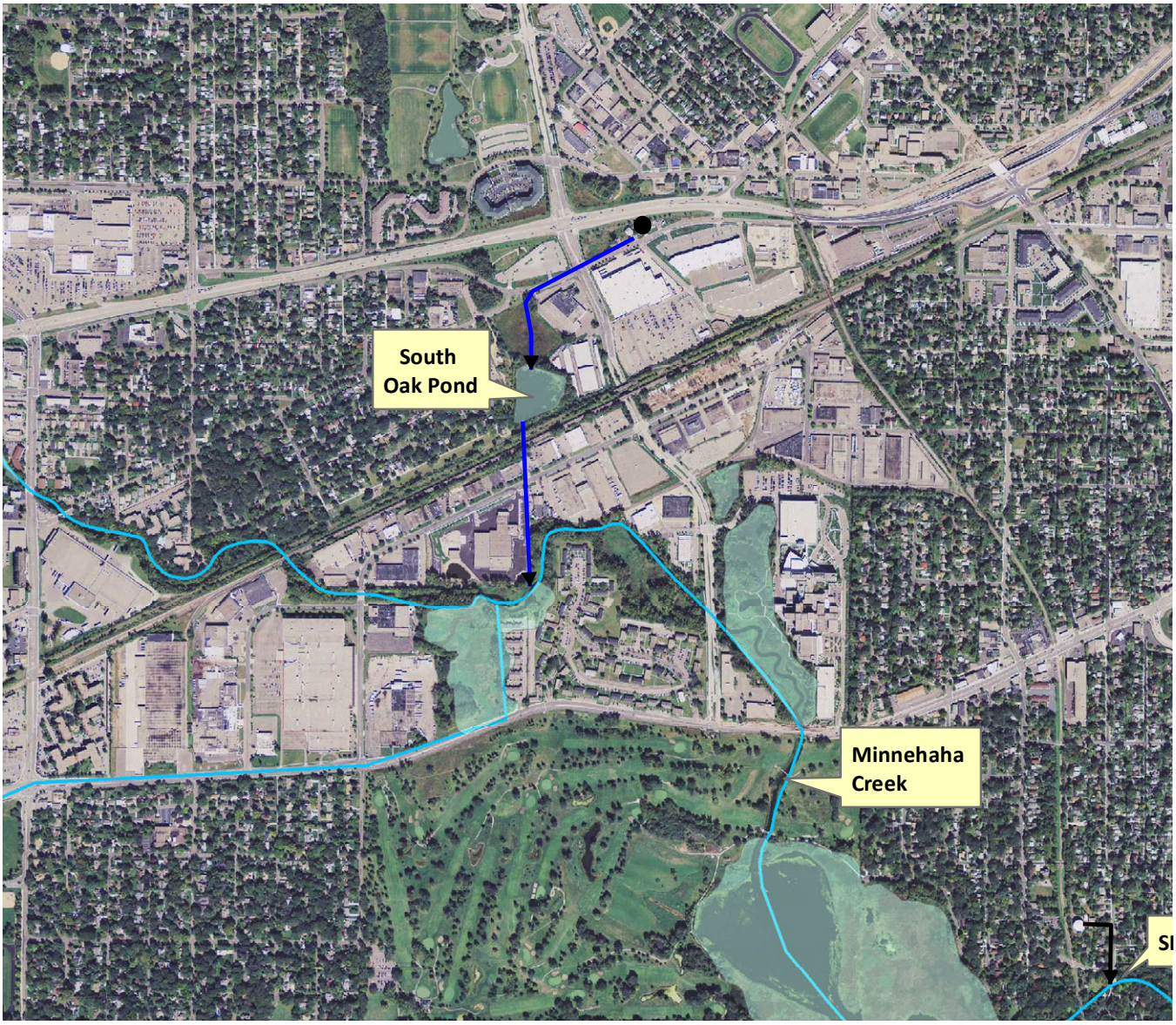
Facility Description

The city of St. Louis Park operates a groundwater treatment system located at 7020 West Lake Street, St. Louis Park, Hennepin County, Minnesota. Groundwater in the area had been contaminated as a result of various manufacturing processes and material handling operations which included coal-tar distillation and creosote timber treatment. Additionally, there is a city well labeled as SLP 6, located along Zarthan Avenue South, which functions as barrier well to protect the municipal water supply.

The groundwater treatment system consists of four influent wells, one of which is not currently active; a pump and two 7.5 Calgon 7.5 granular activated carbon vessels operated in series. During the previous permit cycle the daily average discharge volume was 174,000 gallons per day. The maximum 30-day average discharge was 219,000 gallons per day. Treated groundwater is discharged to the municipal storm sewer which discharges to an unnamed wetland [DNR Lake ID: 27-0661-00], locally known as South Oak Pond. The discharge to South Oak Pond is regulated as surface discharge station SD 001.

A second discharge is authorized if pumping of SLP 6 becomes necessary to prevent the migration of contaminants from the Reilly Tar site towards the city's municipal water supply. Pumping, and subsequent discharging, would occur twenty-four/seven at a pumping rate of 600 gallons per minute [864,000 gallons per day]. This discharge is regulated as surface discharge station SD 002. This is a barrier well rather than an extraction well for groundwater treatment. Therefore, it is anticipated that the waste stream, if placed into operation resulting in a surface water discharge, would not contain pollutants at levels which would require treatment.

In accordance with MPCA rules regarding nondegradation for all waters that are not Outstanding Resource Value Waters, nondegradation review is required for any new or expanded significant discharge (Minn. R. 7050.0185). A significant discharge is 1) a new discharge (not in existence before January 1, 1988) that is greater than 200,000 gallons per day to any water other than a Class 7 water or 2) an expanded discharge that expands by greater than 200,000 gallons per day that discharges to any water other than a Class 7 water or 3) a new or expanded discharge containing any toxic pollutant at a mass loading rate likely to increase the concentration of the toxicant in the receiving water by greater than one percent over the baseline quality. The flow rate used to determine significance is the design maximum daily flow. The January 1, 1988, design maximum daily flow for this facility is zero gallons per day.

Any point source discharger of sewage, industrial, or other wastes for which a NPDES permit has been issued by the MPCA that contains effluent limits more stringent than those that would be established by parts 7053.0215 to 7053.0265 shall continue to meet the effluent limits established by the permit, unless the permittee establishes that less stringent effluent limits are allowable pursuant to federal law, under section 402(o) of the Clean Water Act, United States Code, title 33, section 1342. This Permit also complies with Minn. R. 7053.0275 regarding anti-backsliding.

Aerial Photo Showing Treatment System and SD 001 Location