
Appendix I

Priority Concerns Scoping Document

SCOPING 2 – City of Minneapolis

July 14, 2005

LIST OF DATA ELEMENTS/APPLICABILITY:

X = data elements from **Part 1 SWP** that need to be considered for **Part 2 SWP**

= data elements determined by MDH as required for **Part 2 SWP**

***** = data elements to be determined on completion of the USGS gains & losses study

Physical Environment

Precipitation

X- Existing map or list of local precipitation gauging stations; and

X- Existing table showing the average monthly and annual precipitation in inches for the preceding five years.

Geology

X- Existing geologic map and a description of the geology, including aquifers, confining layers, recharge areas, discharge areas, sensitive areas as defined in Minnesota Statutes, section 103H.005, subdivision 13, and groundwater flow characteristics;

*****- Existing records of the geologic materials penetrated by wells, borings, exploration test holes, or excavations, including those submitted to the department;

*****- Existing borehole geophysical records from wells, borings, and exploration test holes; and

X- Existing surface geophysical studies.

Soil

X- Existing maps of the soils and a description of soil infiltration characteristics; and

X- Existing description or an existing map of known eroding lands that are causing sedimentation problems.

Water Resources

X-Existing map of the boundaries and flow directions of major watershed units and minor watershed units;

X-Existing map and a list of public waters as defined in Minnesota Statutes, section 103G.005, subdivision 15, and public drainage ditches;

X-Existing shoreland classifications of the public waters listed under subitem (2), pursuant to part 6120.3000 and Minnesota Statutes, sections 103F.201 to 103F.221;

X-Existing map of wetlands regulated under Chapter 8420 and Minnesota Statutes, sections 103G.221 to 103G.2373; and

X-Existing map showing those areas delineated as floodplain by existing local ordinances.

Land Use

Land Use

X-Existing map of parcel boundaries;

X-Existing map of political boundaries;

X-Existing map of public land surveys including township, range, and section;

-Map and an inventory of the current and historical agricultural, residential, commercial, industrial, recreational, and institutional land uses and potential contaminant sources (see attached pcsi worksheet for more detail);

- # -Existing comprehensive land-use map; and
- # -Existing zoning map.

Public Utility Services

- X-Existing map of transportation routes or corridors;
- X-Existing map of storm sewers, sanitary sewers, and public water supply systems;
- X-Existing map of the gas and oil pipelines used by gas and oil suppliers;
- X-Existing map or list of public drainage systems.

Water Quantity

Surface Water

- X-Description of high, mean, and low flows on streams;
- X-List of lakes where the state has established ordinary high water marks;
- X-List of permitted withdrawals from lakes and streams, including source, use, and amounts withdrawn;
- X-List of lakes and streams for which state protected levels or flows have been established; and
- #-Description of known water-use conflicts, including those caused by groundwater pumping.

Groundwater

- *-List of wells covered by state appropriation permits, including amounts of water appropriated, type of use, and aquifer source;
- *-Description of known well interference problems and water use conflicts; and
- *-List of state environmental bore holes, including unique well number, aquifer measured, years of record, and average monthly levels.

Water Quality

Surface Water

- X-Map or list of the state water quality management classification for each stream and lake; and
- X-Summary of lake and stream water quality monitoring data, including:
 - X-bacteriological contamination indicators;
 - X-inorganic chemicals;
 - X-organic chemicals;
 - X-sedimentation;
 - X-dissolved oxygen; and
 - X-excessive growth or deficiency of aquatic plants.

Groundwater

- *-Summary of water quality data, including:
 - *-bacteriological contamination indicators;
 - *-inorganic chemicals; and
 - *-organic chemicals;
- *-List of water chemistry and isotopic data from wells, springs, or other groundwater sampling points;
- *-Report of groundwater tracer studies;
- *-Site study and well water analysis of known areas of groundwater contamination;
- *-Property audit identifying contamination; and
- *-Report to the Minnesota Department of Agriculture and the Minnesota Pollution Control Agency of contaminant spills and releases.