COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: April 23, 2018
AGENDA NUMBER: 9
FILE NUMBER: 18-086
ITEM: Center Point Energy Riverside Digs Project

RECOMMENDATION: Approve with 5 Stipulations

APPLICANT: CenterPoint Energy
Attn: Chris LaNasa
700 West Linden Ave
Minneapolis, MN 55403

PURPOSE: Replacement of 15 feet of natural gas main

LOCATION: East of Vale Ave NW, adjacent to RR tracks, Coon Rapids, Minnesota

APPLICABILITY:
1. Within 1 mile of an impaired waters.
2. Any work within or adjacent to a Public ditch within the Watershed District.
3. Any work in or adjacent to wetlands, lakes or water courses
4. The lands and waters that have been, or may be covered by the regional flood.
EXHIBITS:
3. MNDNR Water Appropriation Permit Application, dated 4/13/18, received 4/16/18.

PREVIOUS ACTION TAKEN: This is a new application.

FINDINGS:
Pre-application Meeting: The project as submitted has not received a general review during a pre-application meeting.

Ditches: There is a public ditch on the property. The public ditch is Woodcrest Creek according to the public drainage map. The existing elevations through this property are 842.7 ft MSL at the downstream end and 842.6 ft MSL at the upstream end. The ditch is a 2nd order stream. The ditch serves the primary role of storm water conveyance. The ditch serves approximately 0 acres of agricultural land. Land use in the area is primarily residential and commercial. There are flooding concerns downstream. The ditch has been inspected. Existing elevations, slopes and condition of ditch are fair. The ditch is in need of repair. Alternatives to repair and additional drainage have been considered and reviewed.

Ditch Hydraulics: A crossing of the ditch is not proposed.
Erosion and Sediment Control: Soil affected by the proposal is Isanti.

- Stabilizing vegetation is not proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles have been proposed to be fitted with sediment-trapping measures to prevent soil loss.
- Adjacent properties and stormwater ponds are protected from sediment deposition.
- Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases have been provided.
- No storm sewer impacted by project.
- All work adjacent to water or related resource has taken precautions to contain sediment, and stabilize the work area during construction.
- Provisions have been made to minimize transport of sediment (mud) by runoff or vehicle racking onto the paved surface.
- Provisions have been made for cleaning road surfaces where sediment is transported by the end of the day.
- Construction entrance points are clearly located on the erosion and sediment control plan.
- The erosion and sediment control plan does provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.

Dewatering: Shallow ground water does exist on site. The project does require dewatering.

Floodplain: There is floodplain on the property according to the District model and FEMA. The District’s floodplain elevation is at 847.0 feet. The project does not propose to place fill within the floodplain. There are flooding concerns downstream.

High Water Flooding: Information is not needed to substantiate low floor elevations, no structures proposed.

Groundwater: Geotechnical information is not needed, no structures or infiltration practices proposed.

The project site is not within the Emergency Response Area/10 Year Well Head Protection Area/Drinking Water Supply Management Area.

The proposal does not contain a land use discouraged or prohibited by the Safe Drinking Water Supply Act (SDSA).

Historic Sites: The proposed project does not include sites of historic or archeological significance.
Local Planning & Zoning: The proposed project is consistent with local planning and zoning. There is an approved local water plan.

Maintenance: No Stormwater Management features or treatment practices are proposed as part of the project.

Easements: The proposed project does not include ditch maintenance easement. A ditch maintenance easement is not required.

Stormwater & Hydrology: No changes to stormwater runoff are expected as part of the project. Stormwater leaving the site is discharged into a well-defined receiving channel or pipe and routed to a public drainage system.

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Drainage sensitive uses do not exist downstream from the proposed site. The rate of post-development runoff from the site does not exceed predevelopment rates, or rates which would interfere with sensitive downstream land uses. No increases in the volume, velocity and peak water flow rates of stormwater runoff are expected. No concentrated storm water expected as part of the project. No on-site constructed storm water conveyance channels will be constructed as part of the project.

Water Quality: The proposed project does not cause an exceedance of State water quality standards. The project does not contribute to the adverse impact of wetlands through inundation or volume of flow. All discharges into wetlands are pretreated via overland flow. All work adjacent to wetlands, waterbodies and water conveyance systems are protected from erosion. The proposal will not detrimentally affect the existing water quality of the receiving water. The proposal will not cause extreme fluctuations of water levels or temperature changes.

Impairments: This project is within one (1) mile of and drains to an Impaired Water. The Impaired Water is Lower Coon Creek. Lower Coon Creek is impaired for (Aquatic Life (Macro-invertebrates)/ Aquatic Recreation (E. coli). The major stressors are Total Phosphorus (TP)/E.coli. There is an EPA approved Total Maximum Daily Load (TMDL) or Waste Load Allocation (WLA) for this water.

There are no new impervious surfaces proposed as part of this project.

Wetlands: Wetlands do exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. Wetlands have not been delineated. The wetland boundary has not been checked.

The wetland is not a DNR protected water.

The total proposed temporary wetland impact is 0.045 acres, no permanent impacts are proposed. The impact is through fill in 1 location as shown below:
The de minimis is 2,500 sf (type 1). TEP members have not been notified with a complete plan and have not been requested to submit comments. The project is wetland dependent. The project is exempt. The applicant does not need to contact the DNR area hydrologist and the Corps of Engineers.

**Wildlife:** The proposed project does not include endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors.

If the project is present, the project does not propose substantial adverse alteration or significant detrimental impact on a species or removal of a plant species will occur.

**Performance Escrow:** $2,022.50
**Wetland Escrow:** $N/A
There are not ditch liens on the property.

**ISSUES/CONCERNS:**

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tbody>
<tr>
<td>Escrows: $2,000 + (0.05 ac * $500/ac) = $2,022.50</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td><strong>Stormwater &amp; Hydraulics:</strong> Construction activities will require pump to ensure unimpeded flow of Woodcrest Creek.</td>
<td>2. Provide pump information that will be used for Woodcrest Creek to ensure unimpeded flow during construction activities. The flows in Woodcrest Creek for the project area are listed below for reference:</td>
</tr>
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<tr>
<td>100-Yr</td>
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<td>25-Yr</td>
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<td>10-Yr</td>
<td>4.2</td>
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<tr>
<td>2-Yr</td>
<td>2.8</td>
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Soils & Erosion Control: Stabilizing vegetation is not proposed for disturbed areas within seven (7) days of project completion.

Dewatering is required to perform construction activities.

3. Acknowledge that stabilization/revegetation of excavation sites will take place within 7 days of project completion.
4. Provide copy of approved DNR appropriation permit.

**RECOMMENDATION:** Approve with 4 Stipulations

**Stipulations:**

1. Receipt of escrows.
2. Provide pump information that will be used for Woodcrest Creek to ensure unimpeded flow during construction activities. The flows in Woodcrest Creek for the project area are listed below for reference:

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