COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: September 23, 2019
AGENDA NUMBER: 11
FILE NUMBER: 19-165
ITEM: CenterPoint AC Mitigation

RECOMMENDATION: Approve with 4 Stipulations

APPLICANT: CenterPoint Energy Natural Gas Operations
Attn: Chris LaNasa
700 W Linden Avenue
Minneapolis, MN 55403

PURPOSE: Installation of AC mitigation system on an existing natural gas line

LOCATION: 4 locations in Andover and 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.
5. High water table, outwash and organic soils
6. High infiltration soils
7. Highly erodible soils
8. Endangered, Threatened or Special concern species, elements or communities.

EXHIBITS:
1. Erosion and Sediment Control Plan; by CenterPoint Energy Natural Gas, dated 9/9/19, received 9/10/19.
2. Project schedule and timeline; by CenterPoint Energy Nature Gas, dated 9/9/19, received 9/10/19.
3. Project narrative; by CenterPoint Energy Natural Gas, dated 9/9/19, received 9/10/19.

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 Pleasure Creek according to the public drainage map. The project proposes no work at or impacts to the public ditch.

The ditch is a 5th order stream. The ditch serves the primary role of a trunk drainage system. The ditch serves approximately 0 acres of agricultural land. Land use in the area is toward residential. There are no flooding concerns upstream and/or downstream. The ditch has been inspected. Existing elevations, slopes and condition of ditch are good. The ditch is not 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: Soils affected by the proposal are Braham, Lino, Isanti, Sartell, and Zimmerman.
- Stabilizing vegetation is 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 and do have a note to stabilize within seven (7) days of inactivity.
- Adjacent properties and stormwater ponds are protected from sediment deposition. A double row of perimeter control is proposed on project locations adjacent to wetlands and open water.
• Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases have been provided.
• Stormwater runoff does not pass through a sediment basin or other sediment trapping BMP with equal or greater storage capacity and is not needed.
• No outlet pipes proposed as part of this project.
• All storm sewer inlets are protected from sediment-laden water during construction.
• 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 tracking 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.
• Details provided for ESC (riprap, perimeter control, concrete washout, inlet protection, etc.)

Dewatering: Shallow ground water may exist on site. The project may require dewatering and a dewatering statement has been provided.

Floodplain: There is floodplain on the property according to the District model and FEMA. The project does not propose to place fill within the floodplain.

High Water Flooding: Information has not been provided to substantiate low floor elevations and is not needed.

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 archaeological significance.

Local Planning & Zoning: The proposed project is consistent with local planning and zoning. There is an approved local water plan.

No changes in drainage expected as part of the project.
**Maintenance:** No stormwater management features or treatment practices are proposed as a part of this project.

Easements: A ditch maintenance easement is not required.

**Stormwater & Hydrology:** No changes to stormwater runoff are expected as a part of this project.

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 is expected. No concentrated stormwater 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 treated 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 Waters are Coon Creek and Pleasure Creek. Both Pleasure Creek and Coon Creek are impaired for (Aquatic Life (Macro-invertebrates)/ Aquatic Recreation (E. coli). The major stressors are Total Suspended Solids (TSS)/ Total Phosphorus (TP)/E.coli. There is not 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 not exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey.

**Wetland Replacement Plan:** A wetland replacement plan is not required.

**Wildlife:** The proposed project does include endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors. The applicant has contacted the MDNR natural heritage or endangered species program. MDNR has not yet responded to the applicant.

If the project is present, the project may propose substantial adverse alteration or significant detrimental impact on a species or removal of a plant species will occur.

**Performance Escrow:** $2,475.00

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

**ISSUES/CONCERNS:**

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<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tbody>
<tr>
<td>Escrows: $2,000 + (0.95 ac * $500/ac = $2,475.00</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td><strong>Soils &amp; Erosion Control:</strong> Unclear where soil disturbance will occur with vibrational plow method.</td>
<td>2. Provide updated plans that identify locations of soil disturbance due to vibrational plow methods.</td>
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<td>Identified PCR locations do not depict BMPs for excavations</td>
<td>3. Clarify what BMPS will be used and where they will be placed for the excavations associated with the PCR.</td>
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<td><strong>Wildlife:</strong> The proposed project may include endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors.</td>
<td>4. Provide documentation from the DNR if the proposed project includes endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors.</td>
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**RECOMMENDATION:** Approve with 4 Stipulations

**Stipulations:**
1. Receipt of escrows.
2. Provide updated plans that identify locations of soil disturbance due to vibrational plow methods.
3. Clarify what BMPS will be used and where they will be placed for the excavations associated with the PCR.
4. Provide documentation from the DNR if the proposed project includes endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors.