COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: May 28, 2013
AGENDA NUMBER: 10
FILE NUMBER: 13-013
ITEM: NNG Pipeline-Elk River Maintenance 2013

RECOMMENDATION: Approve with 2 Stipulations

APPLICANT: Dave Nickel
Northern Natural Gas Company
1120 Centre Pointe Drive, Suite 400
Mendota Heights, MN 55120

PURPOSE: Remediate of pipeline with insufficient cover in CD 58.

LOCATION: Approximately 1500 feet upstream from Andover Blvd on County Ditch 58.
APPLICABILITY:
1. Any work within or adjacent to a Public Ditch within the Watershed District.
2. Any work in or adjacent to wetlands, lakes or water courses.
3. The lands and water that have been, or may be covered by the regional flood.
4. Excavation or filling or a combination of excavation and filling of sand or other excavation or fill material including the laying, repairing, replacing or enlarging of a culvert or an underground pipe or facility where it crosses a public ditch or waters of the state.

EXHIBITS:
1. Cover Letter; dated 3/21/13, recd. 3/28/13
2. Joint Application form, revised; dated 3/21/13, recd. 3/28/13
3. Application Supplement; dated 3/21/13, recd. 3/28/13
4. Project SWPPP, dated May of 2013, received 5-1-13
5. SWPPP narrative, dated, 5-9-13, received 5-10-13

HISTORY & CONSIDERATIONS: This project has not been reviewed by the Board.

FINDINGS:
Ditches and Drainage: There are public ditches on the property. The ditch is County Ditch 58. The trend in land use for this drainage area is toward agriculture and residential. There are no flooding concerns downstream. Alternatives to additional drainage were not considered.

Floodplain: There is floodplain on the property according to FEMA. The total floodplain impact is zero acre-feet, within the flood/fringeway. Compensatory storage is not needed.

Groundwater: Surficial ground water is present at an unknown elevation. The site does include groundwater sensitive areas. Information is not required to substantiate low floor elevations, no structures are proposed.

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: The proposed project includes one utility line crossing. Property owners will not be affected by changes in drainage. The approved ditch bottom elevation at the utility line crossing site is listed below.

<table>
<thead>
<tr>
<th>County Ditch</th>
<th>Approved Bottom Elev.</th>
<th>Approved Top of Pipe Elev.</th>
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<tr>
<td>58</td>
<td>878</td>
<td>874</td>
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**Soils & Erosion Control:** Soils affected by the proposal are Rifle and Zimmerman. Stabilizing vegetation is proposed in the SWPPP for disturbed areas within two weeks of final grading. Adjacent properties are protected from sediment deposition. All wetlands, waterbodies, ponds, infiltration basins and water conveyance systems are protected from sedimentation, and erosion. Project site is greater than 1 acre; an NPDES permit is required.

**Stormwater & Hydraulics:** The applicant is not required to meet the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation since no impervious surface is proposed. Stormwater leaving the site is discharged into a well defined receiving channel and routed to a public drainage system. Drainage sensitive uses do exist down stream 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.

**Water Quality:** Project does not include new impervious drainage areas greater than 1 acre. 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.

**Wildlife:** The proposed phase does not include endangered & threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas, wildlife travel corridors. No substantial adverse alteration or significant detrimental impact on a species food supply, security or reproductive cycle or the alteration or removal of a plant species will occur.

**Wetlands:** Wetlands do exist on-site according to the NWI, Soil Survey and 1987 Manual Midwest Regional Supplement.

The Project was issued a Public Utilities Exemption on 5/1/13.

The project proposes restoration of all disturbed areas to pre-construction elevations and land use.

There are no proposed permanent wetland impacts.

**Escrows:** Escrows have not been paid.

**Performance Escrow:** $1500 + (2acres *200/acre) + (100 LF of ditch * $10/LF) = $2,900.00

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**Maintenance:** Elevations of the existing pipelines are unknown. The proposed activities include lowering the pipeline to provide a minimum of 4 feet cover; however, proposed top of pipe elevations are not included in the submittal.

| As-built drawings with elevations will be required to document that the top of pipe elevations are a minimum of 4 feet below the approved ditch bottom elevations in the table above. |

**CONCLUSIONS:** This project does meet District standards. Performance Escrows and Maintenance items must be submitted prior to issuance of a permit.

**RECOMMENDATION:** Approve with 2 Stipulations

**Stipulations:**
1. Receipt of escrows.
2. As-built drawings with elevations will be required to document that the top of pipe elevations are a minimum of 4 feet below the approved ditch bottom elevations in the table above.