COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE:       June 11, 2018
AGENDA NUMBER:     18
FILE NUMBER:       18-106
ITEM:            FHR Maintenance Dig 17-0271

RECOMMENDATION: Approve with 3 Stipulations

APPLICANT: Flint Hills Resources
            P.O. Box 64596
            St. Paul, MN 55164

PURPOSE: Pipeline Inspection and Repair if Necessary

LOCATION: 4611 139th Ln NE, Ham Lake, MN 55304

APPLICABILITY:
1. Within 1 mile of an impaired waters.
2. Any work in or adjacent to wetlands, lakes or water courses
3. The lands and waters that have been, or may be covered by the regional flood.
4. Activities upstream from land that is dependent upon removal of water from the soil profile for their continued use (Drainage Sensitive Land Uses)
5. Appropriation and use of groundwater
6. Endangered, Threatened or Special concern species, elements or communities

EXHIBITS:

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 not a public ditch on the property.

Ditch Hydraulics: A crossing of the ditch is not proposed.

Erosion and Sediment Control: Soils affected by the proposal are Rifle.
- 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.
- 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 not been made for cleaning road surfaces where sediment is transported by the end of the day.
- Construction entrance points are not 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: The project does require dewatering.

Floodplain: There is a floodplain on the property according to the District model and FEMA. District’s floodplain elevation is at 893.9 feet. The project does not propose to
place fill within the floodplain. There are no flooding concerns upstream and/or 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.

**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.

Property owners affected by changes in drainage have been notified and acknowledge the changes proposed.

**Maintenance:** No stormwater management features or treatment practices are proposed as part of the project.

Easements: The proposed project does 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.

Drainage sensitive uses do 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, or peak water flow rates of stormwater runoff are expected. No concentrated stormwater is expected for the project. No on-site constructed stormwater 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 an Impaired Water. The Impaired Water is Coon Creek. Coon Creek is 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 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. The project is exempt.

The applicant does not need to contact the DNR area hydrologist or the Corps of Engineers.

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 endangered or threatened species, rare natural community is Black Huckleberry. The applicant has not contacted the MDNR natural heritage or endangered species program.

If the species 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: $TBD
Wetland Escrow: $ N/A

ISSUES/CONCERNS:

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tbody>
<tr>
<td>Escrows: $2,000 + (XX ac * $500/ac = $XXX</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Soils &amp; Erosion Control: District requires all stabilization vegetation be within seven (7 days of rough grading or inactivity.</td>
<td>2. Acknowledge that stabilization/revegetation of excavation sites will take place within 7 days of project completion.</td>
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<td>Provisions have not been made for cleaning road surfaces where sediment is transported by the end of the day.</td>
<td>3. Update plans to include cleaning road surfaces where sediment is transported by the end of the day.</td>
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</tbody>
</table>
RECOMMENDATION: Approve with 3 Stipulations

Stipulations:
1. Receipt of escrows.
2. Acknowledge that stabilization/revegetation of excavation sites will take place within 7 days of project completion.
3. Update plans to include cleaning road surfaces where sediment is transported by the end of the day.