



5/6/2016

North Dakota Public Service Commission
ATTN: Victor Schock
600 E. Boulevard, Dept. 408
Bismarck, ND 58505-0480



Hess Hawkeye Pipelines (PU-15-31 & PU-15-32)

Mr. Schock,

E3 Environmental, LLC (E3) is pleased to submit the attached Construction Inspection Report for Hess Hawkeye NGL and Crude Pipeline Projects (PU-15-31 & PU-15-32). Enclosed please find one hardcopy of the Construction Inspection Report.

Please feel free to contact me with any questions or concerns regarding this project or the enclosed report.

Regards,

Katie Schmidt

Enclosed:

Construction Inspection Report

73 PU-15-32 Filed: 5/9/2016 Pages: 9
Construction Inspection Report

E3 Environmental, LLC
Katie Schmidt

76 PU-15-31 Filed: 5/9/2016 Pages: 9
Construction Inspection Report

E3 Environmental, LLC
Katie Schmidt



Project Name: Hawkeye NGL Pipeline Project **Date:** 4/27/2016
PSC Case Number: PU - 15-031, PU-15-032 **Time:** 0700
Inspector: Jon Knudsen, E3 Environmental, LLC **Weather:** Rainy, saturated

Overview:

Jon Knudsen met with Suwat Suwansathit at the Hess office in Stanley, ND on 4/27/16 to review PSC provisions, obtain an update on construction status, and ask questions pertaining to Hess's compliance with PSC provisions (see attached). Mr. Suwansathit provided a detailed update regarding construction schedule and status, and answered Mr. Knudsen's reporting inquiries. Following the meeting, Mr. Suwansathit led a physical inspection of the Hawkeye NGL Pipeline and collocated Hawkeye Crude Oil Pipeline. Due to inclement weather and poor road conditions, only 8 total observations points were accessed along the pipeline, including locations north and south of Lake Sakakawea. These observation points were located in areas within agricultural fields, within wetlands, near cultural sites, and within a forested coulee. At the time of inspection, the entire pipeline had been installed and the ROW was in various stages of reclamation. Dirt work had mostly been completed, and reseeding was scheduled for the next few weeks.

Observations / Corrective Actions:

All project activities appeared to be in compliance with applicable permit conditions. Mr. Knudsen provides the following observations:

- All wetlands had been avoided by HDD.
- Equipment storage was stored appropriately either offsite or within the easement, away from wetlands.
- Overall the ROW was tidy.
- Trees have been avoided or inventoried to PSC standards.
- No active construction was noted observed along the ROW.
- Archeological sites were appropriately flagged and avoided.
- ECDs were installed correctly and were relatively unfilled, despite recent rain events.
- ECDs may need to be reset and sediment cleared, if necessary.
- Re-seeding per NRCS protocols and oversight should be initiated ASAP to avoid soil erosion and runoff.



Photos:



Photo 1. Typical ROW condition, located in the northern portion of the Project, facing south.



Photo 2. Avoided wetland (PEM) with ROW running south of wetland boundary. HDD beyond perched wetland avoided a second wetland (flagged with red).



Photo 3. Properly-installed waddles east of the ROW filling with sediment.

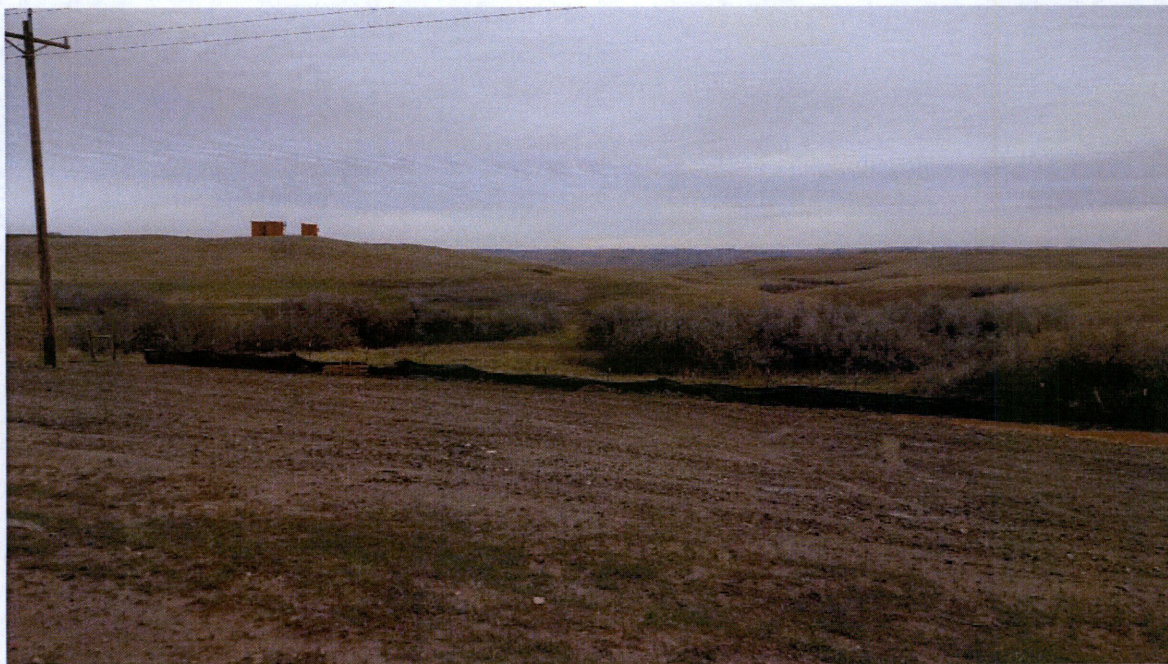


Photo 4. Properly-installed silt fences east of the ROW protecting a wetland crossing.



Photo 5. Facing north along the ROW, silt fences providing a barrier for the wetland which had been HDD.



Photo 6. Clear-cut coulee crossing, showing ECDs including matting and waddles.

ND PSC Inspection Report



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| Docket No.: PU 15-031 PU 15-032 | Permittee: Hess ND Pipelines, LLC | Project Name: Hawkeye NGL Pipeline Project and 12" Crude Oil Pipeline Project |
| Inspection Date: 4/27/2016 | Type of Inspection: Field inspection/interview | |
| Inspector Name: Jon Knudsen Contact: Suwat Suwansathit | | |

| ND Public Service Commission Orders | Order | Photo | Comments |
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| Has the company made any notifications to the Commission or requested any variance from provisions of its authorization? | | | |
| Notifications: Have there been any project design modifications that resulted in a modification of the Permitted Route? | 31 37 | | Yes - Reroutes filed with PSC |
| Notifications: Has there been any reportable events related to damage to buried utilities? | 28 | | Yes - Reroutes filed with PSC |
| Notifications: Has there been any unanticipated protected wildlife and or critical habitat(s) encountered and/or reported during the project? | 10 27 | | No |
| Notifications: Has there been any unanticipated cultural or paleontological resources encountered and/or reported during the project? | 11 12 | | No |
| Has the project installed buried utilities? | | | Yes |
| Depth of cover: Range land - minimum 48" | 6 | | 62" |
| Depth of cover: Cultivated land - minimum 48" | 6 | | 62" |
| Depth of cover: Road ditch (from bottom) - minimum 48" | 6 | | 62" |
| Depth of cover: Section lines (undeveloped) - minimum 72" | 6 | | 72" - Or deeper |
| Road Crossings: All graded roads to be bored unless permitted to open cut. | 13 | | All bored |
| Road Crossings: All pre-existing township/county roads and lanes used during construction to be restored to pre-existing condition or better. | 14 | | Yes |
| Temporary Roads and Staging Areas: To be restored to their original condition | 14 | | Reclamation will be conducted - 2-tracks used |
| Have road restrictions been observed and/or work suspended as necessary to prevent irreparable damage to road or land. Or Has a Commission approved alternative protection measure been implemented? | 15 | | Stantec contracted for this service. Weather prevented some access |

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| Has the project been engaged with earth disturbance or excavations? | | | Yes |
| Has topsoil (up to 12 inches) been carefully stripped and segregated from subsoil and from locations where subsoil will be stockpiled? | 16 | | Yes |
| Has subsoil been stockpiled on areas stripped of topsoil? | 16 | | Yes |

ND PSC Inspection Report



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| Have topsoil stockpiles been placed in locations to avoid natural drainages? | 3 | Yes |
| Have BMPs been properly installed to prevent water induced erosion of topsoil stockpiles? | 3 | Yes, some removed where reclaimed – some full |
| Has all of the stockpiled subsoil been returned to the excavation and original contours restored? | 16 | Yes |
| Has topsoil been returned to the upper soil horizon after the trench has been backfilled? | 16 | Yes |
| Has the project engaged in the clearing of trees or woody vegetation? | | |
| Have mapped locations with woody vegetation been inventoried and flagged? | 20 | Yes - Stantech |
| Have trees \geq 1 inch dbh, that will be cleared for construction, been inventoried? | 20 | Yes |
| Have woody shrubs in native growth areas located within the permanent ROW been inventoried? | 20 | Yes |
| Has clearing of native growth outside the permanent ROW been done in a manner to preserve naturally occurring seed bank and root stocks, and has topsoil been preserved? | 20 | Yes - In ROW |
| Have clearing activities been conducted in a manner to reduce/avoid, where practicable, the impacts to trees and woody vegetation? | 20 | Yes |
| Has ROW clearing in windbreaks, shelterbelts, and wooded areas been limited to a maximum 50 foot width? | 20 | Yes |
| Have fences or gates been encountered? | | |
| Have fences and gates removed or damaged by the project been replaced or repaired. | 21 | Yes |
| Have drain tiles been encountered? | | No |
| Have drain tiles broken or damaged by construction activities been repaired or replaced? | 22 | No |
| Have CR mitigation measures (e.g.; monitoring, UDP) been implemented (if necessary) effectively? | 11 12 | Yes |
| Have there been any unanticipated wildlife or critical habitat encounters with listed species? | 10 | Yes |
| Have wildlife mitigation measures (e.g.; MBTA preconstruction sweeps, exclusion buffers) been implemented (if necessary) effectively? | 3 | Yes |
| Has trash/debris been completely removed from the ROW and work areas? | 24 | Yes |

ND PSC Inspection Report



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| Restoration: Has restoration of disturbed areas been initiated in a timely manner? | 25 | Yes - in progress; seeding has not been done |
| Restoration: Was topsoil replaced properly? | 16, 25 | Yes |
| Restoration: Was decompaction required? | 25 | Scouring requested by landowner |
| Restoration: Has restoration of disturbed areas been completed? | 25 | Yes - in progress in some areas |
| Restoration: Has restoration efforts returned disturbed areas to a condition that is similar to the pre-construction state? | 25 | Yes |
| Restoration: Has reclamation, fertilization, and reseeding been conducted in accordance with Natural Resources Conservation Service recommendations? | 17 | Not yet reseeded - NRCS involved |
| Restoration: Has reclamation, fertilization, and reseeding been conducted in accordance with landowner request(s)? | 17 25 | All landowner demands met |
| Restoration: Has a line list or similar document used to record landowner specifications and restoration specifications? Is it available for review? | 17 25 | Yes. Not available for review at this time |
| Restoration: Was seeding conducted? | | |
| Date of seeding: | 17 | Not yet; Stantec providing guidance |
| Type of seed: | 25 | |
| Rate of seeding: | | |
| Soil amendments used: | | |
| Restoration: Was rock removed from soil surface? | 25 | Yes |
| Was access limited to approved access roads? | 7 | Yes |
| Were project activities limited to approved areas? | 7,23 | Yes |
| Have mapped locations of noxious weeds been flagged? | | Yes - Stantec |
| Have appropriate noxious mitigation measures been implemented? | | Yes - Wash stations, matting, etc |

| Water Discharges | Order | Photo | Comments |
|---|-------|-------|---|
| Construction Stormwater: Permit (NOC) and SWPPP on site? | 3 | | Yes |
| Construction Stormwater: Are all potential stormwater contaminants stored securely in manner to prevent comingling with stormwater? | 3, 24 | | Yes |
| Construction Stormwater: Are ECDs installed properly? | 3 | | Yes |
| Construction Stormwater: Are ECDs in proper working order? | 3 | | Yes |
| Construction Stormwater: Are additional ECDs required? | 3 | | Nothing new or novel |
| Construction Stormwater: Are all slopes/disturbed areas properly stabilized? | 3 | | Yes - Mats, curlix |
| Construction Stormwater: Are all sensitive resources (streams, wetlands, etc.) protected by BMPs? | 3 | | Yes - All bored, regardless of jurisdiction |

ND PSC Inspection Report



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| Construction Stormwater: Are all discharge points and receiving waters free of sediment deposits? | 3 | YEs | |
| Construction Stormwater: Was sediment tracked onto roadways removed? | 3 | Yes - setting stations | |
| Was trench water discharged to the ground? (CSW or NDPDES) | 3 | Bagged and hauled | |
| Are non-stormwater discharges properly conducted (wash water, trench dewatering, etc.)? | 3 | Yes | |
| NDPDES: Was hydrostatic test water discharged to the ground? | 3 | No - Hauled away | |
| Were discharge BMPs employed to avoid scouring/erosion? | 3 | Yes | |
| Wetland/Waterbody | | | |
| Were regulated wetland/waterbody crossings conducted in compliance with applicable permit conditions? | 3 | Yes - Tied into existing line; Nationwide 12 | |