

NDPSC FIELD CHECKLIST AND NOTES
OBSERVER: Andrew Vistad

Project	NST Express Pipeline	Project No.	PSC No. PU-15-232 (HEI #166077-022)
Date	7/22/2016	SITE VISIT	7/18/2016

Site Visit Number and Observation Goals (i.e. 50% completed construction, as-built, reclamation etc.)

50% completed construction.

Exclusion and Avoidance Areas / Siting and other Considerations for Visit

No grading / construction within cultural resource areas
Regrading of wetland areas (most wetland areas are within the ROW area)
Boring under Yellowstone River
Boring under roads; no road cuts
Note estimated depth of pipe installation
Be observant of erosion control issues; need for better erosion control.

Timeline of Activity on Site

Time	Activity
8:30 MDT	Arrive on site, Spoke with Chris Thompson.
9:00 MDT	Tour of site west of Yellowstone river.
10:30 MDT	Tour project east of Yellowstone river.
12:00 MDT	Left project site.

Photograph Log

1	Reclamation Facing East	9	Reclamation Facing West	17	Reclamation Facing West
2	Reclamation Facing West	10	Reclamation Facing East	18	Reclamation Facing East
3	Reclamation Facing North East	11	Pipe Laydown Facing East	19	Trenching and Pipe Placement Facing North
4	Reclamation Facing South West	12	Material Staging Area Facing South East	20	Wetland Crossing Reclamation Facing North West
5	Reclamation Facing North West	13	Timber Access & Crossing Mat Facing South West	21	Wetland Crossing Reclamation Facing South West
6	Reclamation Facing South West	14	Trenching For Install Facing North	22	Wetland Crossing Construction Facing North East
7	Reclamation Facing East	15	Trench With Placed Pipe Facing South	23	Topsoil Pile & Corridor Prep Facing West
8	Trenching Prep & Completed River Bore Facing East	16	Reclamation Facing South West		

NOTES:

Houston Engineering, Inc.



NDPSC FIELD CHECKLIST AND NOTES

OBSERVER: Andrew Vistad

Project	NST Express Pipeline	Project No.	PSC No. PU-15-232 (HEI #166077-022)
Date	7/22//2016	SITE VISIT	7/18/2016

8:30 MDT – Arrived on site, Met with Chris Thompson went over project status and where construction is taking place. Currently everything west of the river except for a small area before the Yellowstone River bore is completed in the ground and reclaimed. All but 1 landowner has signed off on the reclamation activities. The land owner that hasn't signed off wishes for a low area to be fixed to reduce standing water in the field (pictures #4 & #5).

9:00 MDT – Drove through the project West of the Yellowstone River with Chris. He pointed out areas where borings were done and outlined activities that had taken place. Some of the reclamation activities have been modified by landowners for irrigation or drainage purposes that were unrelated to the construction activities. On picture #6 the irrigation trench was dug by the landowner after the fact. Picture #9 shows a disturbed area that is close to an exclusion zone. The pipe contractor did not cut the trench and the activity took place after the landowner had accepted reclamation of the pipeline construction.

10:30 MDT – Drove to the east side of the Yellowstone River where construction activities were taking place. The staging areas and construction on the site was generally clean and well maintained. The staging areas and east end of the Yellowstone River bore show that topsoil was removed and there appears to be no pollution from construction materials or equipment in the area (pictures #11 & #12). Picture #13 shows a bound timber mat that is used by the contractor to build crossings over ditches or wetlands (picture #22). The crossing at picture #22 is suspended above the wetland as to minimize impacts to the wetlands from vehicle access. On the eastern side of the river there appears to be considerable less SPGM. In pictures #15 & #19 you can see that the SPGM is piled on the right side of the picture and has become vegetated. The fill material from the installation is piled on the left separate from the SPGM. There appears to be minimal erosion during construction activities even though there were no observed manmade erosion control products on site. All reclamation observed was located on cropland and there was no seeding or cover crops placed. There was one wetland crossing that was reclaimed but currently there was no vegetation that has been planted. The impact appears to have been contained within the construction easement with minimal to no downstream impacts (pictures #20 & #21). Picture #22 & #23 shows construction and staging for construction. SPGM removal appears to be consistent across the project.

12:00 MDT – Left Site

OBSERVERS's SIGNATURE: Andrew Vistad

