

**SAMSON CREE NATION – MATRIX SOLUTIONS INC.  
PARTNERSHIP**

**ABORIGINAL CONSTRUCTION MONITORING**

**WEEKLY REPORT**

**SPREAD 1**

**JANUARY 8<sup>TH</sup> TO JANUARY 13<sup>TH</sup>**

## 1. PURPOSE OF THIS REPORT

The report is a weekly summary of the daily reports submitted by the Aboriginal Monitors that are working on spread one. The social and cultural findings have been tabulated with locations and mitigation measures below. A summary of the construction activities has been summarized for the week of January 8<sup>th</sup> to January 13<sup>th</sup>, 2018.

### Social and Cultural Features

| Field Observation  | # of occurrences | Description and Mitigation Measures   | Mitigation Status | Further Action Required (Yes/No) |
|--|------------------|---|-------------------|----------------------------------|
| Traditional Use Area (hunting, fishing, gathering, trapping) | 1                | 116km+900,122km+400-129+600,144km+150-137km+000,133km+800,140km+500,108km+500,95km+600,96km+500,102km+300,116km+300-800,43km+600-700,39km+000,108km+600,81km+500-75km+900, 108km+600-109km+150,116km+300-122km+400. |                   |                                  |
| Rock Formations (rocks of significance, tipi rings, etc.)    | N/A              |   |                   |                                  |
| Artifacts  | N/A              |   |                   |                                  |
| Bones  | N/A              |   |                   |                                  |
| Potential Gravesites   | N/A              |   |                   |                                  |

### Environmental Features

| Field Observation              | # of occurrences | Description and Mitigation Measures | Mitigation Status | Further Action Required (Yes/No) |
|--------------------------------|------------------|-------------------------------------|-------------------|----------------------------------|
| Medicinal or Cultural Plants   | N/A              |                                     |                   |                                  |
| Aquatic Life                   | N/A              |                                     |                   |                                  |
| Animal Observations or Burrows | N/A              |                                     |                   |                                  |
| Bird Nests                     | N/A              |                                     |                   |                                  |

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|                      |     |  |  |  |
|----------------------|-----|--|--|--|
| Trees (Red Willow)   | N/A |  |  |  |
| Wetlands             | N/A |  |  |  |
| Watercourse Crossing | N/A |  |  |  |

## Additional Observations and Summary of Activities or Concerns

Attended daily safety meetings and discussed daily scopes each morning with the Contractor Liaison, Mel Abraham and/or the Senior Construction Monitor, Virgil Deschamps. Additionally, the crew attended scheduled midweek meeting with Eric Foster from Matrix Solutions.

Weekly activities included spot-checking km 39,43,75-81,92,95,96,102,107-111,116,118,119,122-129,133,135-144, and shoofly 28,29,41-56,59,61-63,66,71,72,75,76,83,95.

On January 8, the monitors headed to km 116+300 where tie-in backfill was taking place and two track hoes and dozer was working on piles. A frozen bell hole was noted at km 126+850, the area is mostly backfilled mainline and some tie-in work to be completed. At km144+150 mainline ditching and lowering in is complete at Spread 1 (Ditcher was parked at Spread 2). Side booms were setting up at Spread 2. Welding (NDT) testers were observed at km 140+500. At km143+000 backfilling was taking place, hydro vac was observed at km 141+700 and tie-in work being done at km 137+000 (side booms connected to pipe). At SF 83, backfilling tie-in was observed and clean up crew was pilling skids at km 135+750.

On January 9, the monitors set out to km 133+800 where the clean up crew were picking up skids. Tie-in backfill was noted at km 140+500 and dirt was on pipe. Tie-in work was observed at km 108+500, booms were holding pipe in the ditch for welders. At SF 71, tie-in work has been completed and backfilled; at SF72 the dozer was clearing soil. At SF 66, side booms have pipe suspended while welders were working on tie-in. More tie-in work was observed at km 108+600, excavator was digging in the bell hole, and side booms were waiting to lay pipe. At km 95+700(SF 59) the track hoe was backfilling tie-in.

On January 10, the crew watched tie-in backfill at km 95+800 and tie-in welding at km 96+500. At km102+300 the track hoe was observed digging in bell hole. At km100+250, tie-in welding was observed and it has been noted that the pipe was in ditch, and backfilled and then re-excavated. Welders were in the ditch at km98+450. Water dams were removed and filled with dirt at km 97+450 (Wetland bridge). Welders were working on tie-in at km 110+000 and tie-in work also noted at km 108+600 and km 76+200. At km 108+000, dozer was seen clearing dirt piles and at km75+900, excavators were working on dirt piles.

The following day, the monitors watched tie-in work at km 116+800. At km 43+700 the aqua dam pile was noted, and at km 39+000 a fence was being built (plastic caps were missing from metal fence stakes). At km 143+800, welding at tie-in was monitored. Tie-in was also taking place at SF 83. Excavating was noted at km 119+900, welding tie-ins at km 118+100 and km118+000, backfilling at km 110+100, tie-in at km 109+000 with the area being very congested.

On January 12, machinery was crossing the road at km 108+600. At SF 56 excavators and dozers were moving dirt into the ditch. Grader was at work at km 80+750 and

backfilling was taking place at km 77+800 and km76+900. At SF28, there were no caps on fences at the water crossing. Tie-in work was taking place at SF: 71,66 and 56. Side boom was crossing the road at km 108+600 and pulling skids. St SF 51, at the roadway two caps was missing at the poles. At SF 56, two dirt trucks arrived and dumped load of dirt near tie-in, dozers and excavators were digging and backfilling. Grader was working on ROW at km 80+750 and backfilling was taking place at km 77+800. At km 75+900(SF 45 and 46), tie-in backfill is complete and at km 76+200, backfilling is being done.

The following day, the hydrovac was observed at km 108+750 and side booms were moving pipe at 108+950. At km 109+150, booms were picking up welded and coated pipe to transport it to the tie-in ditch. Pipe was being lowered and crews were in the ditch lining it up to be welded. Excavator was moving dirt into the ditch at km 117+800. At km 118+050 track hoe was crossing the road, and at km 122+400 crews were picking up pipe with booms and loading it onto the truck. At SF 28 to 29, crews were taking apart bridge.

The location of these features was documented and photos were collected (see below). No additional cultural or environmental features were observed within the scanned area.

**Photos of Sites Visited & Topics Discussed This Week**



1. Pipe on skids - Km 116+200 – Jan 8, 2018



2. Backfill – Km 143+100 – Jan 8, 2018



3. Welding Test – Km 140+500 – Jan 8, 2018



4. Bell hole – km 126+850 – Jan 8, 2018



5. Tie-in welding – Km 140+500 – Jan 9, 2018



6. Tie-in ditch - Km 140+500 – Jan 9, 2018

KP95+700  
Jan 9/18



7. Track hoe backfill – Km 95+700 – Jan 9, 2018

01.10.18  
KP98+450



8. Tie-in backfill – km 98+450 – Jan 10, 2018

01.10.18  
KP100+250



9. Re-excavated tie-in – Km 100+250 – Jan 10, 2018

01.10.18  
KP102+300



10. Digging in bell hole – Km 102+300 – Jan 10, 2018

01.10.18  
KP95+800



11. Backfill – Km 95+800 – Jan 10, 2018

01.10.18  
KP97+450



12. Removal of aqua dams – Km 97+450 – Jan 10, 2018





13. Aqua dam debris – Km 43+700 – Jan 11, 2018



14. Tie-in – 109km+000 – Jan 11, 2018



15. Dozer clearing dirt piles – km120+000 – Jan11, 2018



16. Excavating – Km 119+900 – Jan 11, 2018



17. Tie –in Backfill – Km 75+900 – Jan 12, 2018



18. Tie-in Backfill – SF 56 – Jan 12, 2018



01.12.18  
 KP77+800

19. Tie-in work – Km 77+800 – Jan 12, 2018



KP108+500  
 Jan 12/18

20. Machinery crossing – Km 108+500 – Jan 12, 2018



KP109+150  
 Jan 13/18

21. Booms picking up pipe - km 109+150 – Jan 13, 2018



KP108+950  
 Jan 13/18

22. Side booms moving pipe – km 108+950 – Jan 13, 2018



01.13.18  
 KP109+150

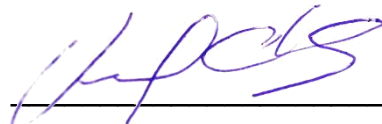
23. Prepping for tie-in – Km 109+150 – Jan 13, 2018



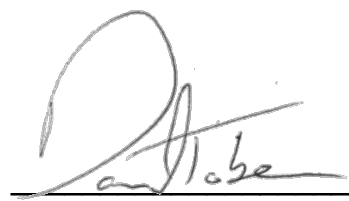
01.13.18  
 KP109+150

24. Lowering pipe into ditch – km 109+150 – Jan 13, 2018

**APPROVALS**

  
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Virgil Deschamps  
Senior Construction Monitor

\_\_\_\_\_  
January 17, 2018  
Date

  
\_\_\_\_\_  
Daniel Tober  
Senior Environmental Scientist

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January 17, 2018  
Date