Appendix D
Additional EA Commitments

Wildlife and Sensitive Features

#	Commitment ID	Location in the EA Report	Commitment	Responsibility	Stage	Status	Record	Commitment being met? - Comments
1	P1-EA-390	Section 7.3	Use appropriate road signage during construction activities.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3.3. Equipment Access pg. 37; 15 Traffic/Road Management Plan pg. 66; Field Inspections	Y
2	P1-EA-452	Section 7.4	Install signs on the ROW indicating park boundaries and to the extent practical, indicate alternate access points.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3.3. Equipment Access pg. 37; 15 Traffic/Road Management Plan pg. 66; Field Inspections	Y
3	P1-EA-449	Appendix 3.10A; Section 7.4	Narrow the 40-m-wide transmission line alignment right-of-way (ROW) and minimize construction activity in the Project footprint in provincial parks where possible to avoid or to minimize potential effects to natural, cultural and recreational values.	Valard	Pre-Construction, Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 5 Invasive Species Management Plan pg. 39; Field Inspections	N/A
4	P1-EA-289	Section 6.3	If active dens sites observed during this period at or near the Project construction area, work will stop and the NDMNRF will be notified. If work is to continue during this period, Project activities will need to be 500 m from the identified den.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6 Wildlife Management Plan (WMP) pg. 40; Field Inspection	N/A none observed
5	P1-EA-294	Section 7.3	Manage attractants (e.g., bear-proof containers, garbage removed frequently) to limit interactions between people and wildlife.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6 Wildlife Management Plan (WMP) pg. 40; Field Inspection	Y - Garbage removed frequently
6	P1-EA-297	Section 7.3	Post signs warning drivers of high use wildlife areas.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6 Wildlife Management Plan (WMP) pg. 40; Field Inspection	Y - Wildlife Sensitive Area signs with drive with caution warning
7	P1-EA-298	Section 6.3	If mechanical vegetation removal cannot be avoided during the wolverine denning period, then engage with NDMNRF and Aboriginal communities for knowledge of active denning sites that have not been identified in the SAR Report. If active dens sites observed during this period at or near the Project construction area, work will stop and the NDMNRF will be notified. If work is to continue during this period, Project activities will need to be 500 m from the identified den.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6 Wildlife Management Plan (WMP) pg. 40; Field Inspection	N/A - No den sites identified within area
8	P1-EA-312	Section 6.3	Wildlife-vehicle collisions would be monitored and reported, which provides feedback for adaptive management.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6 Wildlife Management Plan (WMP) pg. 40; Field Inspection	N/A- none reported or known to occur
9	P1-EA-550	Section 12.0; Table 12.0-1	Incidental Vegetation and Wildlife Monitoring – The development footprint will be monitored during construction for incidental sensitive features (e.g., rare vegetation communities, Significant Wildlife Habitat, and bat hibernacula) that have not previously been identified on or near the anticipated footprint. In the event that a sensitive feature is identified, the Rare Plant Management Plan (Section 9.3.1.6) and Wildlife Management Plan (Section 9.3.1.8) will be implemented.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6 Wildlife Management Plan (WMP) pg. 40; Field Inspection	N/A - all clearing (other than hand clearing) completed in spring. Crews have rare species ID if encountered during other operations

#	Commitment ID	Location in the EA Report	Commitment	Responsibility	Stage	Status	Record	Commitment being met? - Comments
10	P1-EA-583	ONDMNRF Comments on the Final EA Report Comment ID: 49452	Wataynikaneyap recognizes that vegetation management will be an important part of mitigation. Specifically, Wataynikaneyap intends to focus the following impact management measures in nursery and winter areas to minimize effects to caribou survival and reproduction: • using selective clearing during initial right-of-way clearing and subsequent maintenance, where practical, to provide line of sight breaks. In areas with low productive soils, some line segments may require no or little vegetation removal during construction and maintenance, except for the narrow access trail; • planning annual maintenance patrols and where necessary, annual maintenance ground patrol activities during early winter to minimize snow compaction that can improve predator mobility; • working with First Nation communities and the NDMNRF to install gates or fencing to limit 3rd party access to the corridor to prevent snow packing (note: Wataynikaneyap understands that the use of gates may not be the preferred option on Crown Land, which is why Wataynikaneyap is committed to working with First Nation communities and the NDMNRF on this matter); • aligning construction and future operation and maintenance access along the ROW to reduce the footprint; • after initial ROW clearing for construction and where construction access trails are created along the ROW, maintain the curved access trails for operation and maintenance to reduce line of sight; and • restoring temporary access roads.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6 Wildlife Management Plan (WMP) pg. 40; Field Inspection	Selective clearing observed in sensitive areas. Access trails still in use and will not be reclaimed until work in area complete
12	P1-EA-601	Section 9.0	Workers and subcontractors will be provided materials on how to identify active mammal den sites and raptor nests.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6 Wildlife Management Plan (WMP) pg. 40; Field Inspection	Y
11	P1-EA-273	Section 6.3	Where possible, access road construction in areas of potential spawning habitat will take place outside the restricted activity timing windows.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6.1. Timing Considerations for Wildlife pg. 41; Field Inspection	N/A
14	P1-EA-563	Section 3.0; Section 6.3; Section 9.3.1.8; Section 9.3.2.2	No clearing or roads within 300 m of the outer periphery of a great blue heron nesting colony year-round. Where buffer widths are not able to be maintained as identified, local NDMNRF offices will be contacted for further discussion and appropriate First Nation communities notified, where requested.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6.2. Birds pg. 42; Field Inspection	N/A - none identified
15	P1-EA-564	Section 3.0; Section 6.3; Section 9.3.1.8; Section 9.3.2.2	No clearing or roads within 300 m of an osprey nest year-round. Where buffer widths are not able to be maintained as identified, local NDMNRF offices will be contacted for further discussion and appropriate First Nation communities notified, where requested.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6.2. Birds pg. 42; Field Inspection	Ongoing
16	P1-EA-565	Section 3.0; Section 6.3; Section 9.3.1.8; Section 9.3.2.2	No clearing or roads within 400 m of a bald eagle nest, year-round. Where buffer widths are not able to be maintained as identified, local NDMNRF offices will be contacted for further discussion and appropriate First Nation communities notified, where requested.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6.2. Birds pg. 42; Field Inspection	Ongoing
17	P1-EA-566	Section 6.3; Section 9.3.1.8; ONDMNRF Comments on the Final EA Report Comment ID: 49488	If previously unknown bald eagle nests are discovered during construction or operation and maintenance, activities will stop and the NDMNRF and ECCC will be contacted to discuss appropriate mitigation	Valard	Construction, Operations	Ongoing	Contractor's EMP Rev. 5 - Sec. 6.2. Birds pg. 42; Field Inspection	None identified
18	P1-EA-599	Section 6.3 Section 9.0	No clearing or roads within 400 m of a golden eagle nest, year-round. Where buffer widths are not able to be maintained as identified, local NDMNRF offices will be contacted for further discussion and appropriate First Nation communities notified, where requested	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6.2. Birds pg. 42; Field Inspection	None identified

19	P1-EA-600	Section 3.0 Section 9.0	No development will be allowed within 20 m of identified mink, river otter, American marten, and fisher dens, year-round, unless it can be demonstrated that there will not be negative effects on the den (NDMNRF 2014). Where buffer widths are not able to be maintained as identified, local NDMNRF offices will be contacted for further discussion and appropriate First Nation communities notified, where requested.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6.6. Mink, River Otter, American Marten and Fisher pg. 45; Field Inspection	None identified

#	Commitment ID	Location in the EA Report	Commitment	Responsibility	Stage	Status	Record	Commitment being met? - Comments
12	P1-EA-284	Section 6.3	Employees in vehicles encountering large mammals (e.g., caribou, moose, black bear, and wolf) on roads are required to communicate the presence of wildlife on and near roads to other employees working in the area.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6.7. Human-Wildlife Interactions pg. 45; Field Inspection	Y - workers inform others nearby of any animal sightings
13	P1-EA-311	Section 7.3	Wildlife always have the right-of-way.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6.7. Human-Wildlife Interactions pg. 45; Field Inspection	Y
14	P1-EA-320	Section 7.3	Wildlife always have the right-of-way to traffic	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6.7. Human-Wildlife Interactions pg. 45; Field Inspection	Y
15	P1-EA-512	Section 7.4; Section 8.8	Report wildlife sightings, issues and incidents with wildlife or nuisance wildlife as soon as it is safe to do so, and determine corrective and/or emergency action to be taken in the field.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6.7. Human-Wildlife Interactions pg. 45; Field Inspection	Y
24	P1-EA-522	Section 7.4; Section 8.8	Prohibit the harassment or feeding of wildlife by Project personnel.	Valard	Construction, Operations	Ongoing	Contractor's EMP Rev. 5 - Sec. 6.7. Human-Wildlife Interactions pg. 45; Field Inspection	Y
25	P1-EA-438	Section 7.4	Project personnel will avoid areas that are flagged or fenced and abide by restrictions on in/out privileges that are implemented in areas requiring special protection due to environmentally sensitive features.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5; Field Inspection	Y - flagged areas (archaeology, riparian area) have had the appropriate setbacks / mitigation (no ground disturbance / no clear cutting)
26	P1-EA-451	Appendix 3.10A; Section 7.4; Section 9.0	Site-specific features (e.g., rare vegetation communities, wetlands, significant wildlife habitat, wild rice harvest areas and CLVA) will be clearly marked and mapped.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5; Field Inspection	Y - sensitive wildlife area signs near caribou nursery areas, archaeology signs and flag tape identifying CLVA
27	P1-EA-465	Appendix 3.10A; Section 7.4	Project personnel will avoid areas that are flagged or fenced and abide by restrictions on in/out privileges that are implemented in areas requiring special protection due to environmentally sensitive features including those of natural, cultural and recreational value.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5; Field Inspection	Y - out of the signed / flagged sensitive features, work respects the constraints listed on those signs
28	P1-EA-061	Section 3.5.1; Section 6.1; Section 6.3; Section 7.4	Known sensitive ecological features would be clearly marked (e.g., wetlands and significant wildlife habitat) with associated setbacks.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5; Field Inspection; Shape Files for GIS	Y - yellow flag tape around watercourses / wetlands approx 30 m from feature.

Noise, Archaeology, Water, Wastewater, Traffic

#	Commitment ID	Location in the EA Report	Commitment	Responsibility	Stage	Status	Record	Commitment being met? - Comments
1	P1-EA-178	Section 5.3	The potential receptors located within 100 m of the Project footprint of the preferred corridor will be verified for the air quality assessment and if confirmed, removed as a receptor as part of the Project detailed design.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 12 Noise Management Plan pg. 60; Field Inspection	N/A
2	P1-EA-191	Section 6.1	Outside of caribou ranges, design access roads to minimize reversing, which is expected to minimize use of backup beepers where possible.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 12 Noise Management Plan pg. 60; Field Inspection	N/A - project within caribou range
3	P1-EA-012	Section 3.5.1; Section 7.3.6; Section 8.9.2	Approximately 30% of access roads and trails will remain in place to provide access for operation and maintenance activities. All others will be decommissioned and rehabilitated using applicable and appropriate methods and standards. Waterbody crossings will be removed and sediment and erosion control measures will be installed prior to their removal. Upon removal of waterbody crossings, the waterbody banks will be returned to a stable condition if necessary.	Valard	Construction, Operations	Ongoing	Contractor's EMP Rev. 5 - Sec. 15 Traffic/Road Management Plan pg. 66; Field Inspections	N/A - access roads still in use. To investigate once project complete
4	P1-EA-013	Section 3.5.1	Additional access roads or trails will be required along the transmission corridors. The specific number, location and characteristics of all new access roads or trails for the Project will be finalized as part of ongoing Project engineering and design, and will be planned and developed in compliance with applicable legislation, regulations and requirements identified in permits and authorizations.	Valard	Pre-Construction, Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 15 Traffic/Road Management Plan pg. 66; Field Inspections	Y - All access roads found within the segment have been identified on the alignment maps and have approval associated with them. No additional access roads were identified in the field
5	P1-EA-028	Section 3.5.1 Section 5.1.6; Section 6.1; Section 6.2.6; Section 6.2.6.1.2; Section 6.3.7; Section 7.3.6; Section 7.5; Section 7.6.6	During construction, existing access roads or trails will be used as much as possible to limit disturbance resulting from construction of new access roads and trails. Existing culverts will be repaired or replaced as appropriate. Where the construction of new access infrastructure for the Project will involve waterbody crossings, these will be minimized to the extent practical.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 15 Traffic/Road Management Plan pg. 66; Field Inspections	Y - existing trails have been used for access where possible. Culverts identified in field at existing entrances appear in good condition.
6	P1-EA-033	Section 3.5.1; Section 5.1.6; Section 7.3.6; Section 7.6.6	Grey water will be discharged to leaching beds constructed at the temporary construction camps. All required permits and authorizations will be acquired for construction and operation of the leaching beds. Leaching beds will be designed and constructed according to R.R.O 1990, Reg. 358: Sewage Systems design requirements.	Valard	Construction, Operations	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	N/A
7	P1-EA-163	Section 6.1	Remove temporary road building material and fill material (e.g., gravel, shipped rock) and geotextile membrane after construction, if used.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 15 Traffic/Road Management Plan pg. 66; Field Inspections	N/A - roads still in use
8	P1-EA-408	Section 7.4	Confine vehicular traffic to approved rights-of-way, workspace and access roads or trails;	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 15 Traffic/Road Management Plan pg. 66; Field Inspections	Y - no vehicles found anywhere other than the ROW and access roads

9	P1-EA-435	Section 7.4	Place warning signs 150 m in either direction from terrestrial trail closures during construction, in engagement with trail authorities. Should affected trails be considered to be key trail resource for access to other areas, Wataynikaneyap will develop an alternate trail route to allow land users to navigate around the temporary construction-based trail closure.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 15 Traffic/Road Management Plan pg. 66; Field Inspections	N/A - no trails identified within ROW
#	Commitment ID	Location in the EA Report	Commitment	Responsibility	Stage	Status	Record	Commitment being met? - Comments
10	P1-EA-581	ONDMNRF Comments on the Final EA Report Comment ID: 49472	Wataynikaneyap will ground truth all the access roads and the transmission line prior to construction. Any changes in the road classifications will be incorporated into the permitting phase of the Project.	Valard	Pre-Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 15 Traffic/Road Management Plan pg. 66; Field Inspections	NA / Y - Most of ROW cleared prior to field inspection. Roads identified in field correspond with those on alignment maps
11	P1-EA-042	Section 3.5.1 Section 5.1.7; Section 7.3.7; Section 9.4.3;	Potable water for work sites, temporary construction camps and laydown areas will be obtained from local suppliers via water tank trucks. Domestic effluent will be taken by tanker truck for disposal to an existing municipal wastewater treatment facility authorized to accept this type of waste. All permits and authorizations will be acquired for transport and disposal. Wells may be drilled at the temporary construction camps if this option is more feasible. Upon completion of the Project, all groundwater wells drilled as part of this Project will be decommissioned in accordance with Ontario Regulation 903.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 19.1.1. Potable Water Pg. 72; Field Inspections	Y
12	P1-EA-140	Section 5.1	If the total of groundwater and stormwater taken for construction dewatering amounts to 50,000 L/d or less, Wataynikaneyap will, at a minimum, discharge via a filter bag to a vegetated area at least 30 m away from any waterbody or where not possible at the greatest distance possible.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 19.1.4. Construction Dewatering pg.72; Field Inspections	N/A - no dewatering operations
13	P1-EA-105	Section 5.1; Section 7.6	Wash water will be collected in closed loop recycle systems, or contained and hauled to existing municipal Wastewater Treatment Plants (WWTPs).	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 19.1.5. Wastewater and Grey Water pg. 72; Field Inspection	Y - all wastewater stored in tanks and brought to PL landfill
14	P1-EA-111	Section 5.1; Section 7.6	Temporary construction camps are anticipated to be located in communities with existing wastewater collection and disposal systems.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 19.1.5. Wastewater and Grey Water pg. 72; Field Inspection	Y - Pickle Lake
15	P1-EA-114	Section 5.1; Section 6.1; Section 7.6	Domestic effluent will be removed from temporary construction camps by approved disposal trucks and disposed of at municipal wastewater treatment plants with authorization and capacity to accept this waste.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 19.1.5. Wastewater and Grey Water pg. 72; Field Inspection	Y - Pickle Lake landfill
16	P1-EA-138	Section 5.1;	Domestic wastewater from construction camps and work sites will be disposed of in one of two ways. • Wastewater from toilets at construction camps and portable sanitation facilities at work sites will be collected in approved vehicles and hauled to existing municipal WWTPs authorized to accept this type of waste. • Greywater will be discharged to leaching beds constructed at the construction camps, approved under the Ontario Building Code 2012. The treatment unit (e.g., septic tank system) shall be connected to a leaching bed constructed in accordance with the requirements of Section 8.7 of the Ontario Building Code. In compliance with the Code, leaching beds will be	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 19.1.5. Wastewater and Grey Water pg. 72; Field Inspection	Y - Option 1

			sited a minimum of 15 m away from any waterbody.					
17	P1-EA-143	Section 5.1	Wash water from cleaning concrete mixing equipment and delivery systems, as well as vehicles and equipment, will be collected in closed loop recycle systems, or contained and hauled to an existing municipal wastewater treatment plant (WWTP). Closed loop recycle systems will be non-discharging systems where wash water is recycled until a certain level of contamination is reached, when it will be disposed of to an existing municipal WWTP. Wash water will be passed through a treatment system (e.g., an oil water separator fitted with a grit settling chamber) prior to reuse. Separated solids will be tested, and contaminated material will be temporarily stored in containers, then hauled and disposed of at an approved landfill.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 19.1.5. Wastewater and Grey Water pg. 72; Field Inspection	Ongoing

Erosion and Soil

#	Commitment ID	Location in the EA Report	Commitment	Responsibility	Stage	Status	Record	Commitment being met? - Comments
1	P1-EA-090	Section 5.1	Monitoring/inspections of all erosion and sediment management measures, bank stabilization features and coffer dams during construction to verify effectiveness.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3 Erosion and Sediment Control Plan (ESCP) pg. 30; Field Inspections	Y - Ongoing
2	P1-EA-096	Section 5.1	Multi stage drainage and sediment controls to collect and treat stormwater runoff from Project components will be employed at work sites as appropriate.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3 Erosion and Sediment Control Plan (ESCP) pg. 30; Field Inspections	N/A
3	P1-EA-110	Section 5.1 Section 6.2; Section 7.4; Section 7.6	Install, monitor, and manage appropriate erosion and sedimentation control measures to minimize or avoid sediment mobilization to drainages, or waterbodies. Adequate and appropriate erosion and sedimentation control materials shall be on- site and available prior to commencement of construction.	Valard	Pre-Construction, Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3 Erosion and Sediment Control Plan (ESCP) pg. 30; Field Inspections	Y - ongoing
4	P1-EA-113	Section 5.1; Section 6.1; Section 7.6	Disturbed areas will be stabilized (e.g., cover exposed areas with erosion control blankets or tarps to keep the soil in place and prevent erosion). Such areas will be covered with mulch to prevent erosion.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3 Erosion and Sediment Control Plan (ESCP) pg. 30; Field Inspections	Y - Ongoing
5	P1-EA-125	Section 5.1.6; Section 6.3; Section 7.3; Section 7.6	Soil stockpiles will be vegetated, where appropriate (e.g., if soils are prone to wind erosion).	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3 Erosion and Sediment Control Plan (ESCP) pg. 30; Field Inspections	N/A - no soil stockpiles identified
6	P1-EA-160	Section 5.1	Where disturbed and exposed areas are externally draining, multiple stages of drainage, erosion and sediment controls will be employed, as appropriate, consistent with good industry practice. Controls may include seeding, surface roughening (scarification), lockdown netting, straw bales, straw and/or wood fiber logs, rock check dams, silt fences, sediment traps/basins, diversion swales/dykes and collection ditching. Similar to the clearing of vegetation, earthworks will take into consideration buffer zones around waterbodies where feasible. Re-vegetation of work areas will be initiated at the first opportunity, where appropriate, to stabilize disturbed and exposed ground.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3 Erosion and Sediment Control Plan (ESCP) pg. 30; Field Inspections	N/A – winter conditions
7	P1-EA-209	Section 6.2	Proposed locations of temporary construction camps and laydown areas will be field-verified to avoid wetlands including bogs and fens, where feasible. Where possible, schedule work activities in wet areas during frozen conditions.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3 Erosion and Sediment Control Plan (ESCP) pg. 30; Field Inspections	Y - Proposed laydowns not within wetlands
8	P1-EA-213	Section 6.2	Under non-frozen conditions and where regulatory approvals allow, install mats (e.g., rig mats, swamp mats or access mats) to limit effects to waterbodies and wetlands, if warranted and surface conditions require.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3 Erosion and Sediment Control Plan (ESCP) pg. 30; Field Inspections	Y - Ongoing
9	P1-EA-216	Section 6.1; Section 6.2	Re contour disturbed areas to restore drainage patterns and the approximate preconstruction profile.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3 Erosion and Sediment Control Plan (ESCP) pg. 30; Field Inspections	Y
10	P1-EA-250	Section 6.2; Section 7.4; Section 7.6	Temporary erosion control measures to be: • properly installed; • installed before or immediately after initial disturbance; and • inspected and properly maintained (e.g., repaired, replaced or supplemented with functional materials) throughout construction until permanent erosion control is established or reclamation is complete	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3 Erosion and Sediment Control Plan (ESCP) pg. 30; Field Inspections	N/A - none observed, no erosion or sediment risks identified during inspections

11	P1-EA-267	Section 6.2	Sediment and erosion control measures will be implemented during transmission line and equipment waterbody crossings construction activities to minimize potential for changes in sediment yield. This includes stabilizing and re-vegetating banks and restoring the bed and banks of the waterbody to their original contour and gradient.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3 Erosion and Sediment Control Plan (ESCP) pg. 30; Field Inspections	N/A at this time – winter conditions
#	Commitment ID	Location in the EA Report	Commitment	Responsibility	Stage	Status	Record	Commitment being met? - Comments
12	P1-EA-483	Appendix 3.10A; Section 7.4	Stabilize erodible soils as soon as practical by seeding, spreading mulch or installing erosion control blankets.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3 Erosion and Sediment Control Plan (ESCP) pg. 30; Field Inspections	Y - Ongoing
13	P1-EA-549	Section 12.0; Table 12.0-1	Erosion and Sediment Management Monitoring – Monitoring/inspections of all erosion and sediment management measures, bank stabilization features and coffer dams during construction.	Valard	Pre-Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3 Erosion and Sediment Control Plan (ESCP) pg. 30; Field Inspections	N/A
14	P1-EA-215	Section 6.1	When required, follow the appropriate impact management measures listed in the Soil Handling Management Plan (Section 9.3.1.4).	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3 Erosion and Sediment Control Plan (ESCP) pg. 30; 13 Soil Handling Management Plan pg. 61; Field Inspections	Y - Ongoing
15	P1-EA-166	Section 6.1	De-compact subsoils, temporary access trails and soils damaged during wet weather.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 13 Soil Handling Management Plan pg. 61; Field Inspection	N/A – frozen ground conditions

Roads, ROW, Water Crossings

#	Commitment ID	Location in the EA Report	Commitment	Responsibility	Stage	Status	Record	Commitment being met? - Comments
1	P1-EA-082	Section 3.6.3 Section 7.3	Wataynikaneyap will maintain the 40-m-wide transmission line alignment. ROW and immediate area in accordance with existing regulations and accepted industry practices that will include identification and abatement to any fire hazards.	Valard	Construction, Operations	Ongoing	Wataynikaneyap Project Fire Plan (ID 1574 Field Inspection Program - Grant L	Y
2	P1-EA-004	Section 3.4.2 Section 5.5;	An approximately 40-m-wide transmission line alignment ROW will be cleared of non-compatible vegetation within the 2-km-wide corridor.	Valard	Construction	Ongoing	Daily Progress Reports, Weekly Reports, Monthly Reports. Field Inspections	Y
3	P1-EA-156	Section 7.3; Section 7.4; Section 7.6	The 40-m-wide transmission line alignment ROW preparation will be carried out in accordance with standard utility practices and procedures and will involve the mechanical clearing of all incompatible vegetation that exceeds 2 m at maturity.	Valard	Construction	Ongoing	Industry Standard Best Management Practices. Field Inspections.	Y
4	P1-EA-024	Section 3.5.1; Section 5.1.6; Section 7.6.6	New access roads or trails will be designed and constructed in accordance with the NDMNRF Environmental Guidelines for Access Roads and Water Crossings (1990).	Valard	Pre-Construction, Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y
5	P1-EA-035	Section 3.5.1.2; Section 6.2.7.1	If culverts are installed as a contingency, culvert selection will consider site-specific conditions such as the width of the waterbody crossing, fish habitat characteristics, substrate type, and hydrologic characteristics of the waterbody. Culverts will be sized to handle peak flow, and aligned parallel to the waterbody channel on a straight section of uniform gradient. Installation and removal practices will follow NDMNRF and DFO's advice on erosion and sediment control to avoid causing serious harm to fish and fish habitat (NDMNRF 1990, 2010a, 2010b; DFO 2016).	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y - Ongoing
6	P1-EA-057	Section 3.5.1; Section 5.1; Section 6.2; Section 7.4; Section 7.6; Section 8.8.	Buffer zones of 30 m will be maintained around waterbodies, and clearing of riparian vegetation will be limited to the extent practical and to the requirement of the access road and alignment clearing width only. Clearing at waterbody crossings along the 40-m-wide transmission line alignment ROW will generally be limited to a 6-m-wide ROW for equipment access to waterbody crossing structures (e.g., temporary bridges).	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y
7	P1-EA-095	Section 5.1; Section 6.2	Temporary construction camps, laydown areas and other Project activities will be located a minimum of 30 m to 90 m away from the ordinary high-water mark of a waterbody. The distance of the setback from the temporary construction camp, temporary laydown area, or storage area will depend on the slope adjacent to the waterbody and will follow the guidelines outlined in the Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales (MNR 2010a).	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y
8	P1-EA-132	Section 5.1; Section 6.2; Section 7.6	Waterbody crossings will be designed and constructed in accordance with the NDMNRF's Environmental Guidelines for Access Roads and Water Crossings (1990).	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y - ongoing
9	P1-EA-133	Section 5.1; Section 6.2	Waterbody crossings will be constructed in compliance with NDMNRF regulatory permits and approvals, as applicable	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y
10	P1-EA-134	Section 5.1; Section 7.6	Waterbody crossings will be designed and constructed in compliance with O. Reg. 180/06 as amended by O. Reg. 63/13 and O. Reg. 454/96, as applicable.	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y
11	P1-EA-147	Section 5.1	Access roads and waterbody crossings will be constructed in accordance with NDMNRF's Environmental Guidelines for Access Roads and Water Crossings (1990), where feasible. The Ontario Ministry of Natural Resource and Forestry provides comprehensive guidance with respect to sound design and construction practices to mitigate environmental effects. Where applicable, waterbody crossings will also be constructed in compliance with NDMNRF approvals issued under O. Reg. 454/96 and the Lakes and Rivers	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y

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			Improvement Act. In accordance with these approvals, Wataynikaneyap will be required to complete construction along waterbody shorelines as well as in-water works in a manner that minimizes adverse environmental effects such as increased flooding, waterbody and shoreline erosion, and sediment loads.					
12	P1-EA-148	Section 5.1	Carrying out construction activities without any permanent in water works or fording (no alteration of the bed of the watercourses) are anticipated;	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y
13	P1-EA-150	Section 5.1	Constructing waterbody crossings in compliance with MOECC specified conditions and NDMNRF approvals, if required.	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y
14	P1-EA-152	Section 5.1	Designing the infrastructure at waterbody crossings to pass peak flows and maintain sufficient flow conveyance in such a way that no discernible effects on stream hydraulics occur;	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y
15	P1-EA-220	Section 6.2	Construct waterbody crossings in consideration of DFO's Measures to Avoid Causing Harm to Fish and Fish Habitat Including Aquatic Species at Risk (DFO 2016a), NDMNRF's Environmental Guidelines for Access Roads and Water Crossings (1990), and Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales (2010a), and its associated Background Rationale document (2010b).	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 7 Aquatic Habitat Management Plan pg. 46; Permits - Permit Tracker Spreadsheet; Field Inspections	Y
16	P1-EA-222	Section 6.2	Avoid construction during a fish and fish habitat restricted activity timing window. Work may not be conducted during the restricted activity timing window, or within a setback unless approval is obtained from the appropriate regulatory agencies, where required.	Valard	Construction	Ongoing	Contractor EMP Rev. 5 - Sec. 7 Aquatic Habitat Management Plan pg. 46; Permits - Permit Tracker Spreadsheet; Field Inspections	No in-water work has occurred
17	P1-EA-223	Section 6.2	Before construction, confirm that all waterbodies crossed by the 40-m-wide transmission line alignment ROW and access roads and trails have been identified and are on the waterbody crossing lists (Appendix 6.2A: Tables 6.2A-1A and B, 6.2A-2A and B, and 6.2A-3A and B). If unidentified waterbodies are encountered, engage an Aquatics Specialist to determine the appropriate crossing methods, restricted activity timing window, and approvals or permits required	Valard	Pre-Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y
18	P1-EA-227	Section 6.2	Complete instream construction in isolation of flowing water (i.e., use isolation methods for the installation and removal of culverts where surface water exists at the time of construction).	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	N/A
19	P1-EA-228	Section 6.2	Construct or install waterbody crossings in a manner that protects the banks from erosion, maintains downstream flows in the waterbody and follows permits or authorizations issued for the Project from the appropriate regulatory agencies.	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y - clear span bridges proposed for large waterways, or winter crossings only
20	P1-EA-230	Section 6.2	For diversions during isolations, appropriately screen water intakes or pumps will be appropriately screened to prevent entrainment or impingement of fish (DFO 2016a); follow measures for design and installation of intake end-of-pipe-fish screens will be followed to protect fish (DFO 1995, 2016).	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	N/A
21	P1-EA-232	Section 6.2	For the waterbody crossing structures, the restricted activity timing windows are not applicable if all work is completed above the high-water mark, if the waterbody is frozen and an ice bridge/snow fill is constructed, or when using the waterbody crossing structures.	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y
22	P1-EA-233	Section 6.2	For the waterbody crossing structures, the restricted activity timing windows are not applicable when using the waterbody crossing structures.	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y
23	P1-EA-234	Section 6.2	Install, maintain, remove, decommission, and rehabilitate waterbody crossing structures (e.g., bridges, ice bridges/snow fills, rig mats) using best management practices and following environmental approval conditions, permits, or authorizations issued for the Project from the appropriate	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Ongoing

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			regulatory agencies. If culverts are installed, they would be installed as per the previous.					
24	P1-EA-240	Section 6.2	Regularly inspect and maintain culverts to prevent blockages from forming and causing ponding or backwater effects. Where culverts are installed at fish bearing waterbodies, debris removal activities will follow DFO's guidance (i.e., gradual removal such that flooding downstream, extreme flows downstream, release of suspended sediment, and fish stranding can be avoided).	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	N/A at this time
25	P1-EA-246	Section 6.2	To the extent practical and while complying with all appropriate impact management measures, complete work below the high-water mark as quickly as possible to shorten the duration of disturbance.	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	N/A at this time
26	P1-EA-252	Section 6.2	Instream construction, if required for the installation of culverts (contingency only) or bridge supports, will follow best management practices and environmental approval conditions, permits or authorizations issued for the Project.	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	N/A at this time
27	P1-EA-254	Section 6.2	Where required, instream construction will be completed in isolation of flowing water (i.e., isolation methods will be used for the installation and removal of culverts where surface water exists at the time of construction). For isolations, temporary diversions may be used (i.e., isolation construction techniques such as flumes, instream diversions, or pumps) to divert the water flow around the isolated workspace. Where diversions are used, pumping will be monitored and adjusted as necessary to maintain downstream flow. Fish within the isolated workspace will be rescued (i.e., salvaged and relocated) by qualified professionals prior to construction in the isolated workspace	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	N/A at this time
28	P1-EA-256	Section 6.2	All waterbody crossing structures will be constructed, operated, removed, decommissioned, and rehabilitated, if appropriate, following best management practices and environmental approval conditions, including NDMNRF guidelines for access roads or trails (MNR 1990, 2010a,b) and DFO's Measures to Avoid Causing Harm to Fish and Fish Habitat Including Aquatic Species at Risk (DFO 2016a).	Valard	Construction, Operations	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y
29	P1-EA-257	Section 6.2	Clear-span bridges and rig mats will be placed above the high-water mark (i.e., no work will occur below the high-water mark during construction or operation and maintenance).	Valard	Construction, Operations	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	N/A at this time
30	P1-EA-258	Section 6.2	If culverts are installed as a contingency, installation and removal practices will follow DFO's advice on erosion and sediment control to avoid causing serious harm to fish and fish habitat (DFO 2016a).	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	N/A at this time
31	P1-EA-259	Section 6.2	Open bottom culverts (i.e., arch structure culverts with no bottom that does not disturb the bed of a waterbody) may be considered for waterbody crossings with high value fish habitat.	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	N/A at this time
32	P1-EA-262	Section 6.2	Environmental Inspectors will be on site during construction to monitor the installation, use, and removal of temporary equipment waterbody crossing structures. Turbidity and total suspended solids monitoring may be required at a subset of crossings to meet regulatory requirements.	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y - ongoing
33	P1-EA-263	Section 6.2	If fording is used, it will be limited to a one-time event (over and back) and will occur only if an existing crossing at another location is not available or practical to use. If repeated crossings of the waterbody are required, a temporary crossing structure will be installed	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y
34	P1-EA-266	Section 6.2	Installation and removal of the waterbody crossing structures where work is completed below the high-water mark (i.e., installation or removal of a culvert with fill or supports below the high-water mark) will occur outside of the restricted activity timing windows, unless approval from regulatory authorities	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	N/A at this time

#	Commitment ID	Location in the EA Report	Commitment	Responsibility	Stage	Status	Record	Commitment being met? - Comments
			is obtained. If excessive flows or flood conditions are present, instream construction will be postponed until water levels have subsided.					
35	P1-EA-268	Section 6.2	Timing of in water work is a key impact management measure to reduce or avoid potential effects to fish at a local scale; therefore, periods when in- water work should be avoided were identified for each waterbody (Appendix 6.2A: Tables 6.2A-1B, 6.2A-2B, and 6.2A-3B). Restricted activity timing windows are designed to protect fish during spawning migrations and other critical life history stages (i.e., spawning, egg incubation, and fry emergence).	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y - no in-water work
36	P1-EA-269	Section 6.2	To minimize downstream sediment effects, isolation methods will be used for the installation and removal of culverts where surface water exists at the time of construction. For isolation, temporary diversions may be used (i.e., isolation construction techniques such as flumes, instream diversions, or bypass pumps) to divert the water flow around the isolated workspace. Where diversions are used, bypass pumping will be monitored and adjusted as necessary to maintain downstream flow.	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	N/A at this time
37	P1-EA-271	Section 6.2	If culverts are used, the culvert will be designed and installed in fish bearing waterbodies to allow for fish movement as appropriate to meet NDMNRF guidelines for access roads or trails (MNR 1990, 2010a,b) and DFO guidelines (DFO 2016a).	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y
38	P1-EA-472	Appendix 3.10A; Section 7.4	Construct waterbody crossing structures according to the crossing method identified in Section 6.2 Fish and Fish Habitat; or modifications to the crossing requirements specified in approvals will be approved by Wataynikaneyap before construction begins.	Valard	Pre-Construction, Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	N/A at this time
39	P1-EA-478	Appendix 3.10A; Section 7.4	Implement any additional impact management measures for waterbody crossings described in Section 5.1.7, Table 5.1-14 and Section 6.2, Table 6.2 15.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 7.3. Stream Crossing Installation and Decommissioning pg. 49; Field Inspections	N/A
40	P1-EA-479	Appendix 3.10A; Section 7.4	Make sure temporary erosion control measures are properly installed; • Installed before or immediately after initial disturbance; and • Inspect and properly maintained (e.g., repaired, replaced or supplemented with functional materials) throughout construction until permanent erosion control is established, or reclamation is complete; and • Design construction routes to avoid key access roads / entrances to provincial parks to the extent practical, in engagement with dedicated and protected area administrators.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 3 Erosion and Sediment	N/A at this time identified
41	P1-EA-568	Section 5.1 Section 6.2	For temporary waterbody crossings (i.e., waterbody crossings required for a limited period of time restricted to the Construction stage of the Project), a first order hydraulic analysis is considered appropriate, such as Manning's approach and/or MTO design standards and methodology, will be completed to verify flow conveyance conditions under the design event.	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y - Ongoing
42	P1-EA-589	ONDMNRF Comments on the Final EA Report Comment ID: 49478	Following guidance from the NDMNRF, buffers around CLVAs that are not crossed by the Project will be applied based on sloping requirements prescribed in the Environmental Guidelines for Access Roads and Water Crossings. It is assumed that NDMNRF is directing Wataynikaneyap to apply the guidelines for water courses and water crossings to CLVAs. These include: • Clearing and grubbing of low vegetative cover within 100 m (350 feet) of a water crossing, or other water body identified as being sensitive by the Ministry, must be kept to the absolute minimum necessary for constructing the project (Section 4, page 10). • Exposed mineral soil within 100 m (350 feet) of a water body must be graded to a stable angle of repose to prevent erosion (Section 4,	Valard	Construction	Ongoing	Permits - Permit Tracker Spreadsheet; Field Inspections	Y - buffer areas adjacent to CLVAs observed

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			page 10). • Buffer zones of undisturbed vegetation between access roads and water bodies should be maintained and should increase in width proportionally to the increase in slope of land entering the waterway (Section 5, page 13). • Graded slopes, such as earth cuts and fills, should not be too steep - preferably 2:1 (two metres [six feet] horizontal to one metre [three feet] vertical) or flatter. The chance for successful re-vegetation will be greater on gentler slopes (Section (Section 7.0, page 43).					
43	P1-EA-031	Section 3.5.1	Following the 40-m-wide transmission line alignment ROW clearing, field survey crews will physically mark (i.e., stake) the specific locations of the structures, foundations and guy anchors using Global Positioning System (GPS) technology, data from the LiDAR survey, and detailed design.	Valard	Construction	Ongoing	Survey teams Progress Reports. Field Inspections	Y - structure locations have been staked
43	P1-EA-180	Section 5.1; Section 5.3; Section 5.4; Section 5.5; Section 6.2; Section 7.3; Section 7.4; Section 7.6	Where reasonable and practical, vehicles and equipment will be turned off when not in use, unless weather and/or safety conditions dictate the need for them to remain turned on and in a safe operating condition.	Valard	Construction	Ongoing	Weekly Report; Field Inspections	Y
44	P1-EA-423		Establish crossings for vehicles and, where applicable, livestock for commercial industry land and resource use activities during the construction stage to allow mining, aggregate, forestry and agricultural operations to proceed outside of the Project footprint, as applicable.	Valard	Construction	Not Applicable at this time. Ongoing	Not Applicable during this reporting period. Field Inspections	Y

checked but need clarification

Commitment ID	Location in the EA Report	Commitment	Responsibility	Stage	Status	Record	Commitment being met? - Comments
P1-EA-454	Appendix 3.10A; Section 7.4	Confine construction activities to the surveyed and marked areas.	Valard	Construction	Ongoing	Field Inspections	Y
P1-EA-460	Section 7.4	Clean equipment before moving it between provincial parks and conservation reserves and other non-protected area land.	Valard	Construction	Not Applicable at this time. Ongoing	Contractor's EMP Rev. 5 - Sec. 5. Invasive Species Management Plan pg. 39; Field Inspections; Not Applicable during this reporting period. Field Inspections	Equipment cleaning areas at Pipestone Camp and Pickle Lake camp.
P1-EA-463	Appendix 3.10A; Section 7.4	Undertake mechanical clearing only.	Valard	Construction	Ongoing	Field Inspections	Y
P1-EA-602	Section 3.0 Section 9.0	Avoid clearing within 120m of aquatic feeding areas for moose, year-round.	Valard	Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 6.1. Timing Considerations for Wildlife pg. 41; Field Inspections	Y – ongoing, Constraint identified on alignment sheets

P1-EA-012	Section 3.5.1; Section 7.3.6; Section 8.9.2	Approximately 30% of access roads and trails will remain in place to provide access for operation and maintenance activities. All others will be decommissioned and rehabilitated using applicable and appropriate methods and standards. Waterbody crossings will be removed and sediment and erosion control measures will be installed prior to their removal. Upon removal of waterbody crossings, the waterbody banks will be returned to a stable condition if necessary.	Valard	Construction, Operations	Ongoing	Contractor's EMP Rev. 5 - Sec. 15 Traffic/Road Management Plan pg. 66; Field Inspections	N/A at this stage of the project
P1-EA-013	Section 3.5.1	Additional access roads or trails will be required along the transmission corridors. The specific number, location and characteristics of all new access roads or trails for the Project will be finalized as part of ongoing Project engineering and design, and will be planned and developed in compliance with applicable legislation, regulations and requirements identified in permits and authorizations.	Valard	Pre-Construction, Construction	Ongoing	Contractor's EMP Rev. 5 - Sec. 15 Traffic/Road Management Plan pg. 66; Field Inspections	N/A - no new access roads beyond those identified on the alignment sheets were implemented