MANITOBA HYDRO
KEEYASK TRANSMISSION PROJECT

TRANSMISSION
CONSTRUCTION ACCESS
MANAGEMENT PLAN
List of Revisions

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<tr>
<td>AC</td>
<td>Alternating current</td>
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<tr>
<td>AMM</td>
<td>Access Management Measure</td>
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<td>AMP</td>
<td>Access Management Plan</td>
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<tr>
<td>ASI</td>
<td>Area of Special Interest</td>
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<td>ATK</td>
<td>Aboriginal Traditional Knowledge</td>
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<tr>
<td>ATV</td>
<td>All-terrain Vehicle</td>
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<tr>
<td>CEnvPP</td>
<td>Construction Environmental Protection Plan</td>
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<tr>
<td>COSEWIC</td>
<td>Committee on the Status of Endangered Wildlife in Canada</td>
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<tr>
<td>CS</td>
<td>Converter Station</td>
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<tr>
<td>DFO</td>
<td>Department of Fisheries and Oceans</td>
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<td>EC</td>
<td>Environmental Component Protection Measure</td>
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<td>EI</td>
<td>Environmental Issue and Topic Protection Measure</td>
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<td>EIS</td>
<td>Environmental Impact Statement</td>
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<td>EnvPP</td>
<td>Environmental Protection Plan</td>
</tr>
<tr>
<td>ESS</td>
<td>Environmentally Sensitive Site</td>
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<tr>
<td>FPR</td>
<td>Final Preferred Route</td>
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<tr>
<td>GS</td>
<td>Generating Station</td>
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<tr>
<td>ID</td>
<td>Identification</td>
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<tr>
<td>kV</td>
<td>Kilovolt</td>
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<tr>
<td>LGD</td>
<td>Local Government District</td>
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<tr>
<td>MESA</td>
<td>Manitoba Endangered Species Act</td>
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<tr>
<td>MM</td>
<td>Management Environmental Protection Measure</td>
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<tr>
<td>ORV</td>
<td>Off-road Vehicle</td>
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<td>PA</td>
<td>Project Activity Environmental Protection Measure</td>
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<td>PC</td>
<td>Project Component Environmental Protection Measure</td>
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<td>Acronym</td>
<td>Description</td>
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<tr>
<td>PR</td>
<td>Provincial Road</td>
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<tr>
<td>PTH</td>
<td>Provincial Trunk Highway</td>
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<tr>
<td>RCMP</td>
<td>Royal Canadian Mounted Police</td>
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<tr>
<td>ROW</td>
<td>Right-of-way</td>
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<tr>
<td>WMA</td>
<td>Wildlife Management Area</td>
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1.0 Introduction

Consistent with its corporate Environmental Management Policy, Manitoba Hydro has committed within the Keeyask Transmission Project Environmental Assessment Report (EA) to developing an access management plan (AMP) as part of a larger suite of mitigation measures to minimize potential negative environmental and socio-economic effects. The AMP is a direct response to recommendations made by Project study team specialists in supporting technical reports, key person interviews, stakeholder, public and Aboriginal engagement and Aboriginal traditional knowledge (ATK) studies. General and site specific access management mitigation strategies are detailed in the Keeyask Transmission Project (the Project) Environmental Protection Plan (EnvPP). This AMP is a component of the overall Keeyask Transmission Project Environmental Protection Program.

The primary function of the Project is to provide construction power and generation outlet transmission capacity for the proposed Keeyask Generating Station, located in northern Manitoba along the Nelson River at Gull Rapids upstream of Stephens Lake.

The proposed Keeyask Transmission Project includes development of the following infrastructure (Map1):

- A Construction Power Transmission Line that would convey power for construction of the Keeyask Generating Station.
- Construction Power Station.
- Four Unit Transmission Lines that originate at the Keeyask Generating Station and terminate at a new Keeyask Switching Station.
- The Keeyask Switching Station.
- Three Generation Outlet Transmission (GOT) Lines link the Keeyask Switching Station to the northern collector system, terminating at the Radisson Converter Station.
- Radisson Converter Station Upgrades.

In this document access management for the Project is considered only during the construction phase of the development. The implementation of this AMP requires the performance of tasks prior to and during construction.

A high level outline of an operations and maintenance phase access management plan is discussed in section 5.0. Manitoba Hydro has committed to the development of the operations and maintenance access management plan with the understanding that much of its content will be dependent on experience and knowledge gained during the construction phase of the development.
2.0 Purpose and Objectives

The purpose of developing AMPs is to address issues of concern expressed by stakeholders, the public, and Aboriginals during Project engagement, and by study team specialists in their EIS supporting technical reports. The AMP is intended to safeguard and support the preservation of environmental, socio-economic, cultural and heritage values within the Projects’ area of direct impacts. The focus of this AMP is on the construction phase of the Project. A detailed operations and maintenance access management plan will be developed prior to Project commissioning.

The objectives of the AMP are to:

- Provide for safe, coordinated access onto and along the Project construction site;
- Support sustainable use through the protection of natural resources within the Project area;
- Support the preservation of socio-economic, cultural, spiritual and heritage values within the Project area;
- Allow Manitoba Hydro staff and contractors to construct the Project year round;
- Provide security for Project personnel and property; and
- Prescribe strategies and mitigation measures to minimize potential negative direct and indirect effects of Project access.

2.1 Construction Access Management Plan Coverage

From a geographic perspective the scope of this AMP includes the Project’s transmission construction site (i.e., rights-of-way, camps, marshalling yards, borrow pits and access trails specifically constructed for Project purposes). Public access restrictions are primarily limited to the “active” construction site, for reasons of safety, and will generally not interfere with traditional traffic patterns.

This AMP also addresses Project specific issues relating to existing provincial and municipal roads and concerns relating to private lands within Manitoba Hydro’s control. Manitoba Hydro will minimize damage to infrastructure and private lands from its activities, and where possible, limit third party access to the active construction site. Of greatest concern are areas with environmental sensitivities, and areas of work force concentrations (e.g. camps, marshalling yards).

A separate AMP called the Keeyask Generation Project Access Management Plan (KGP-AMP) developed by Keeyask Hydropower Limited Partnership addresses and assumes all access management issues (excluding transmission line ROWs) in the Keeyask area. The KGP-AMP is designed to support the safety and security of the high number of workers and materials required for the construction of the South Access Road and Keeyask Generating station. A manned security gate and office at both the North and South Access roads will regulate and monitor all in-coming and out-going traffic. All transmission related traffic will conform to the KGP-AMP beyond this point, as required, while also adhering to the applicable access management measures of this AMP related to the transmission components of the Project.
3.0 Stakeholder Interests and Issues

During the course of data collection and information gathering for the Project Study Area and environmental studies (biophysical and social), access related concerns were raised. In response, Manitoba Hydro committed to developing access management plans for the construction and operation and maintenance phases of the Project. To ensure full consideration of access related issues and concerns, a thorough review was conducted of all pertinent Project information, including engagement and meeting records, key person interviews, ATK information, regulator input and discipline specific technical reports.

The results of the above review identified potential user groups, stakeholders and discipline specific specialists with a variety of potential issues and concerns related to access. Most issues and concerns relate primarily with the construction phase of the Project while some carry over to the operations and maintenance phase as well.

The primary concerns for most of the user groups, stakeholders and study specialists are protection of the environment, wildlife species and interference with resource use practices/activities. Also important are safety to project personnel and the public, security of construction sites and property, minimizing the creation of new access as much as possible, and protection of cultural and heritage resources.

This AMP attempts to address and minimize potential access related effects, issues and concerns identified in Table 3-2; however, Manitoba Hydro recognizes that not all issues and concerns can be fully mitigated through the AMP and will be addressed through other components of the Environmental Protection Program.
Table 3-1 List of Identified Stakeholders & Study Specialists’ Topics

- Manitoba Hydro personnel and contractors
- Regulators
- Towns
- Manitoba Infrastructure and Transportation
- Trappers
- Outfitters
- Hunters
- Gatherers
- Aboriginal communities
- Northern communities
- Aquatics
- Birds
- Caribou (coastal, barren ground and boreal woodland)
- Fragmentation
- Mammals
- Resource use
- Terrain and soils
- Vegetation

Table 3-2 List of Access Concerns/Issues/Opportunities

- Safety of all people
  - Safe access to/from and through construction areas
- Security of property
- Ability to conduct work efficiently
- Unimpeded access to construction site
  - Timely permission to construct/use approaches to existing roads
  - Timely permission to use/construct crossings
- Creation of new access into formerly remote areas
  - Increased number of access routes
  - Access for outsiders
  - Increased off-road traffic
  - Increased pressure on resources (game, furbearers, gathering sites, etc.)
  - Increased animal and bird mortality due to collisions
  - Disturbance to remote trapper cabins
  - Increased risk of vandalism, theft
  - Increased risk of wild fire
- Fragmentation
  - Alter wildlife movement
  - Disruption to migration pathways
  - Reduced range connectivity
  - Loss of wilderness areas
  - Loss of functional habitat
- Increased hunting, trapping, fishing pressure
  - Improved subsistence hunting/harvesting
- Sensory disturbance to wildlife
- Interference with
  - recreational activities
  - resource use activities
  - farming activities
  - transportation infrastructure
  - emergency measures routes/delivery
- ROW use as transport corridor
  - Trail network expansion by recreational off-road riding clubs, industry and the general public
- Respect for land (traditional and private)
- ROW as access opportunity
  - Improved/expanded access
  - Improved trapping, hunting success
  - Tourism
- Increased traffic on existing roads
  - Safety
  - Sensory disturbance to people and wildlife
  - Damage to infrastructure
  - Inconvenience (temporary closures)
  - Disruption to emergency services
  - Effects of dust on plant health
- Loss/damage to habitat
  - Wildlife
  - Vegetation communities of concern
  - Plants of conservation concern
  - Harvestable plant species/communities
  - Introduction/spread of non-native species
- Increased social problems with increased work force
- Damage to cultural, heritage, sacred sites
- Increased predation (wolves, bears)
  - Change in prey/predator dynamics
  - Human use of trails
  - Increased predator rates of travel on packed trails
- Damage to aquatic environment/fish habitat
  - Deleterious materials
  - Stream bed/bank damage
  - Sedimentation
- Vehicle bird/mammal collisions
4.0  Construction Access – Access Management
This section discusses the proposed access strategies for construction purposes and describes the proposed access routes to be used for construction.

Manitoba Hydro is planning to construct the Project over a period of five years where most of the work in northern Manitoba will be conducted during the winter months on frozen ground conditions. To meet the planning timeline, Manitoba Hydro is planning to engage multiple contractors to clear the footprint and construct the Project.

4.1  Roles and Responsibilities
A successful construction program requires commitment and cooperation from all participants. Instrumental for those involved is to fully understand their roles, responsibilities and lines of communication within the Project. For purposes of implementing this AMP, responsibilities rest with Manitoba Hydro’s Construction Supervisor, Community Liaison, Senior Environmental Assessment Officer, Construction/Environmental Inspectors, Environmental Monitors and the Construction Contractors’ Project Manager/Supervisor, and Environmental Officer/Supervisor. The communication and reporting structure is detailed in Figure 4-1. Their key responsibilities are shown in Table 4-1.
Figure 4-1. Environmental Communication Reporting Structure
Table 4-1. Access Management Roles and Responsibilities of Personnel during the Construction Phase

<table>
<thead>
<tr>
<th>Role</th>
<th>Key Responsibilities</th>
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| Licensing and Environmental Assessment Department | • Prepare list of trappers/outfitters that use area and provide to Construction Supervisors.  
• Develop schedule and communications protocols for communication with stakeholders, resource harvesters, outfitters, communities, community leadership, government, etc.  
• Develop required media for communication purposes.  
• Develop access monitoring plan/protocols.  
• Implement a communications strategy.  
• Annual reporting.                                                                                                                                 |
| Senior Environmental Assessment Officer         | • Advises Project Engineer and Construction Supervisors on implementation of Access Management Plan.  
• Liaises with Licensing and Environmental Assessment Department.  
• Liaises with regional regulatory authorities.  
• Provides advice and guidance to Construction Supervisors and Environmental Inspectors for non-compliance situations, environmental incidents and emergencies.  
• Supervises Environmental inspectors/monitors.  
• Provides support and guidance to contractors regarding the Access Management Plan.  
• Ensures all reporting into Environmental Protection Management System.                                                                                                                                 |
| Construction Supervisor(s)                     | • Work with Community Liaison.  
• Contact landowners prior to start of clearing and construction.  
• Implement visiting non-project personnel registry system.  
• Provide safety information to non-project personnel and request to vacate the active construction site.  
• Post signage as required.  
• Implement access protocols with RCMP and MCWS as necessary.  
• Implement access monitoring plan and report issues/incidents.  
• Provide employment conditions information to contractors and hiring agents.  
• Plan and develop by-pass access trails.  
• Report to the Project Engineer.  
• Review environmental inspection reports with the Construction Contractor, and ensure remedial actions or responses to non-compliance situations or incidents are implemented as required.  
• Work with the Senior Environmental Assessment Officer and Inspectors to ensure implementation of environmental protection relating to the Access Management Plan.  
• Ensure that appropriate authorities are notified in emergency or incident situations.  
• Issue stop work orders.  
• Note construction site intersect with ORV trails; advise clubs and develop safety plan and minimize disruptive effects.  

### Environmental Inspector / Construction Inspector
- The Environmental Inspector reports to the Senior Environmental Assessment Officer and provides advice and guidance to the Construction Supervisor.
- The Construction Inspector will carry out the duties of the Environmental Inspector when the Environmental Inspector is not on site.
- Conducts site inspections regularly and ensures reports are submitted to the Environmental Protection Management System as required.
- Has the authority to resolve environmental issues on-site with the Construction Supervisor.
- Issues stop work orders for environmental non-compliance situations and incidents.
- Prescribes and ensures follow up mitigation measures are implemented.
- Ensures all ESS sites are correctly identified, delineated and flagged/mark in the field.
- Environmental Inspectors and Construction Inspectors work cooperatively to identify ESS site locations and ensure that prescribed mitigation is being implemented and meeting regulatory requirements.

### Environmental Monitor(s)
- Environmental Monitors conduct field monitoring activities as outlined in the monitoring plans (access, wildlife, vegetation monitoring).
- Assists in locating and delineating environmentally sensitive sites.
- Works with Environmental Inspector and reports to the Senior Environmental Assessment Officer.

### Community Liaison(s)
- Primary contact for disseminating information regarding the project to their community, including access restrictions and protocols.
- Develops project communication materials for their community.
- Identifies community concerns and interests and communicates to Construction Supervisor.

### Construction Contractor(s) (Project Manager / Construction Supervisor)
- Accountable for all regulatory and environmental prescriptions (i.e., follow CEnvPP and mitigation measures prescribed).
- Ensure all contractor project staff are adequately trained/informed of pertinent environmental requirements of the Project related to their position.
- Report any discoveries of non-compliance, accidents or incidents to the Construction Supervisor.
- Ensure that all remedial actions are carried out as per Manitoba Hydro instruction.
- Responsible for other permits as outlined in the CEnvPP.

### Construction Contractor Staff
- Accountable for compliance with regulatory and environmental prescriptions (i.e., follow CEnvPP and mitigation measures prescribed).
- Ensure construction staff are adequately trained with respect to, and informed of pertinent, environmental requirements of the Project related to their position.
- Report any discoveries of non-compliance, accidents or incidents to the Construction Supervisor.
- Implement all remedial actions as per Manitoba Hydro instruction.
### Construction Contractor’s Environmental Officer(s)

- Ensures that the contractor employees adhere to all aspects of the construction Environmental Protection Plan.
- Provides information and advice to the Construction Contractor employees on environmental protection and safety matters.
- Responsible for implementation of the emergency response and hazardous substances plans, and other related topics.
- Liaises with Environmental Inspector and MH Field Safety Officers.

### 4.2 Transmission Line Construction Access

Consistent with issues and concerns identified in Section 3.0, Manitoba Hydro and its contractors will use existing roads, trails and linear features where possible for accessing the Project construction site. To facilitate this, Manitoba Hydro has identified existing strategic access routes relative to the construction site and major roads to guide construction planners and contractors.

Map 2 illustrates the existing access opportunities (i.e., intersections between the proposed ROW and existing highways, roads, trails and linear features) that minimize the need for new access development to access the ROWs. The AMP will restrict Manitoba Hydro and its contractors to use the identified access options where possible, thereby minimizing Project effects as they relate to access.

### 4.3 Construction Access Management Measures

To address the identified issues and concerns in Section 3.0, Manitoba Hydro, its personnel, contractors and consultants will adhere to the access management measures (AMMs) outlined in Appendix C. These access management measures are drawn directly from the Construction Environmental Protection Plan (CEnvPP). Responsibilities are assigned for each mitigation measure to ensure understanding and implementation of the measures. Site specific protection measures for Environmentally Sensitive Sites (ESS) are also provided in the CEnvPP to directly address issues and concerns identified by stakeholders and study specialists.

#### 4.3.1 By-pass Routes and Trails

Manitoba Hydro will be accessing the ROW through existing trails and access points to the extent feasible. However, in some instances there may be a requirement for a by-pass trail located outside, but along the ROW, or the creation of a new access route to the ROW. In those situations where a new by-pass trail/access route would be required, Manitoba Hydro would undertake the following process to: 1) site the by-pass trail/access route, 2) evaluate location for environmental and cultural sensitivities, and 3) ensure any new by-pass trails/access routes follow the applicable mitigation measures as outlined in the Construction Environmental Protection Plan (CEnvPP). Figure 4-2 illustrates the process and details of the steps are provided to operationalize the process.
Figure 4-2. By-pass Trail/Access Route Siting and Approval Process

**Step 1: Determine by-pass trail/access route need:** Manitoba Hydro in conjunction with the Contractor identifies the need for a by-pass trail or new access route (i.e., rock outcrops, impassable terrain). If a new access route is needed, approval will be sought from the local Manitoba Conservation and Water Stewardship Office. If a by-pass trail is needed and it is shorter than 1000m, Manitoba Conservation and Water Stewardship will receive notification. If the new by-pass trail is longer than 1000m, approval will be sought from the local Manitoba Conservation and Water Stewardship Office with regard to location and clearing method.

**Step 2: Investigation:** Manitoba Hydro and Contractor will assess potential by-pass area/access route area on foot for a viable location. In some instances an overflight may be required.

**Step 3: Identification:** MH Construction Supervisor/Inspector to identify and verify the location of the by-pass trail/access route by recording GPS coordinates and flagging the centerline and/or boundaries. Furthermore, the MH Environmental Inspector is to identify and verify any sensitive sites associated with the area. The above information is then submitted to Environmental Protection Information Management System (EPIMS) as “Unplanned Infrastructure” for review.

Keeyask Transmission Project
Transmission - Construction Access Management Plan
Step 4: By-pass trail/access route review: MH Transmission Line and Civil Construction Senior Environmental Assessment Officer and MH Licensing and Environmental Assessment Environmental Protection Officer will review by-pass trail/access route and evaluate against known Environmentally Sensitive Sites (ESS) as well as sensitive sites identified by the Environmental Inspector’s site investigation. If Rejected, by-pass trail/access route alternatives will be suggested for field assessment (Return to Step 3) and the process of submitting “Unplanned Infrastructure” through EPIMS will be restarted. If Accepted proceeds to Step 5 or 6 for approval.

Step 5: Less than 1000m by-pass trail/access route approval: When by-pass trail/access route is approved, it will be: a) added to the appropriate CEnvPP including any ESS sites; and b) Annual Harvest Plan updated (if applicable) and provided to project personnel and local Manitoba Conservation and Water Stewardship (MCWS) Office. Proceed directly to Step 7.

Step 6: Greater than 1000m by-pass trail/access route approval: If by-pass trail/access route is approved in Step 4, the proposed CEnvPP amendment will be submitted to Manitoba Conservation and Water Stewardship office which issued the Work Permit for approval. If approved, it will be: a) added to the appropriate CEnvPP including any ESS sites; and b) Annual Harvest Plan (if applicable) updated and provided to project personnel and the local MCWS Office and move to Step 7. If field inspection is required for approval or alignment change Step 3 will be conducted with MCWS staff on site, followed by Step 4, 6, and 7.

Step 7: Commence construction of by-pass trail/access route: Implement mitigation and commence construction. The method and location of clearing will be prescribed in the harvest plan, and Manitoba Hydro will identify and document any by-pass trails/access routes that may be required post construction for line maintenance activities and incorporate into the Operations and Maintenance Environmental Protection Plan. Any by-pass trails required for operations will be added to the applicable General Permit area, for those no longer required MH will develop a decommissioning plan for approval by MCWS.

4.3.2 Traffic Safety and Access Management Mechanisms Overview
Manitoba Hydro will rely extensively on the provincial and municipal existing road infrastructure to transport vehicles, personnel, equipment and materials to the Project construction site. In the interests of safety, Manitoba Hydro expects that all of its personnel and those of its contractors and consultants will adhere to all traffic laws while engaged in Project related activities and while commuting back and forth between their residences/camps/offices and the construction site.

Safety is of primary concern during the construction phase for construction workers, stakeholders and the public. During the clearing and construction process, a seasonal access trail will be constructed on the rights-of-way to facilitate the transportation of construction materials, equipment and workers. Manitoba Hydro and its’ contractors will restrict non-Project traffic on and along the active construction site during this period.

For reasons of safety, options may be examined to relocate sections of off-road vehicle (ORV) trails (e.g. ATV and snowmobile trails) to create separation between Project construction activities and ORV riders. Where and as applicable, Manitoba Hydro will discuss this with Manitoba Conservation and Water Stewardship, local municipal officials and local off-road recreational riding clubs to examine alternatives.
Where the construction site intersects with ORV trails, Manitoba Hydro and/or its contractors will advise the local clubs of such intersections, the schedule of clearing and construction activities, and work with the clubs to ensure safe conditions are maintained at such intersections. This will include but not be limited to warning signage on trails and the active construction site and ensuring, to the extent feasible, that the trails are kept clear of all debris and other impediments.

All Project related personnel and their vehicles will be allowed to access the construction site as required for work purposes. Province of Manitoba and Government of Canada representatives that are engaged in project related inspections, research and monitoring personnel and resource harvesters (e.g. registered trappers and licensed outfitters) whose areas are being crossed by the transmission line will be allowed to traverse the active construction site for reasons of safety. No other individuals will be granted access to traverse the active construction site. The names of registered trappers and licensed outfitters operating within the area will be provided to the Manitoba Hydro Construction Supervisor. Registered trappers and licensed outfitters wishing to traverse the active construction site will be required to check in with the Construction Supervisor to identify themselves (sign in), indicate their business, indicate the location of their business and avail themselves of orientation and safety information. All personnel will have to comply with safety protocols and be required to check out (sign out) with the Construction Supervisor when leaving the active construction site. The number of access points/routes to the construction site will be minimized to facilitate access management issues. Where Manitoba Hydro and its contractor staff encounter non-project related traffic on the active construction site, safety advisory information will be provided and individuals will be asked to vacate the area for reasons of safety.

Signs will be placed at road/rights-of-way crossings and other locations in the active construction area to discourage/minimize access and to outline safety concerns.

Various types of signage may be used to convey safety or educational information, including:

- No hunting/shooting;
- Guy wire shields/sleeves (brightly colored and/or reflective), where appropriate;
- Reflective tape on tower legs and other obstructions;
- Access restrictions to specific infrastructure sites (e.g. transformer, converter, repeater stations);
- Access restrictions to hazardous materials and petroleum storage sites;
- Warning signs on vehicles transporting hazardous materials and petroleum products;
- Private land;
- Directional guidance signs;
- High risk wildlife collision areas;
- Speed limit postings;
- Road/trail hazard warning signs;
- Bollards, signage at water wells, petroleum storage areas, etc.; and
- Other.
Manitoba Hydro will determine the type and quantity of signage required, produce them, and erect them when required.

The majority of access along the ROW is limited to the winter months under frozen ground conditions. During the non-frozen period, the rights-of-way will be self-limiting in access due to the natural terrain, the route selected for the transmission line and private property limitations.

4.3.3 Access Allowance

During the construction phase of the Project, one of Manitoba Hydro’s concerns is safety for workers and others who may access the active construction site. While non-construction traffic will be limited/restricted in the active construction site, the comings and goings of registered trappers and licensed outfitters will be maintained within the limits of safety as indicated in the previous section. Access and safety issues will be monitored by the Construction Contractor, the Manitoba Hydro Construction Supervisor and the Environmental Inspector.

Manitoba Hydro recognizes that those who access Crown land adjacent to the active construction site via means other than the Project ROWs (e.g., existing trails in the area) have the right to be there. All intersecting trails/roads will be kept clear of debris so as not to impede existing travel routes. Manitoba Hydro will limit/restrict access to the active construction site as safety is a primary consideration.

Those authorized to access the active construction site (including work camps) are noted in Table 4-2. Manitoba Hydro and its contractors will carefully monitor for safety and security issues and, if problems warrant, are prepared to limit access to only those directly associated with the Project.

| Table 4-2 Access Allowance and Authorization in Active Construction Areas |
| --- | --- | --- |
| **User** | **Type of User** | **Authority** |
| Project Traffic | Manitoba Hydro staff | No conditions |
| Contractor personnel | Government (provincial & federal) personnel | Construction Supervisor or delegate |
| Research & monitoring personnel | Emergency vehicles/personnel | No conditions |
| Resource harvesters | Registered trappers/licensed outfitters | Construction Supervisor or delegate |
| Non-Project Traffic | Public | Restricted |
| Others | Community officials, Manitoba Hydro staff/officials/contractors/consultants, employee family members | Construction Supervisor or delegate |
| | School and public tours, media, etc. | |
4.3.4 Recreational Vehicles
Project personnel will not be permitted to transport, use or store their personal off-road vehicles (ORV) (e.g., snowmobiles, all-terrain vehicles, boats, etc.) on the construction site where the intent of use is not Project work related. This condition will form part of the condition of employment and will be conveyed to all personnel at the time of hire. Breach of the condition will be grounds for disciplinary action, including dismissal. Manitoba Hydro and contractor ORV equipment shall be used exclusively for Project work related purposes.

4.3.6 Weapons Restrictions
Restrictions will be in place regarding firearms (e.g., rifles, hand guns, shotguns) and other weapons (bows, crossbows) on the construction site for reasons of safety. All Manitoba Hydro and contractor personnel will not be permitted to transport, store or use weapons on the construction site (including camps) or utilize construction access for hunting. This will be a condition of employment and all workers will be informed of this at the time of hire. Breach of this condition by any worker will constitute grounds for dismissal from employment.

An exception to the above may be made where the need arises to have firearms on the construction site for protection purposes (e.g., bears). In such instances the Construction Supervisor will assign such responsibilities to trained individuals who will be the only ones with the responsibility to possess and handle firearms on the construction site.

Registered Trap Line Holders, Helpers and Outfitters
Holders (and their helpers) of registered trap lines and licensed outfitters and their clients who are directly affected by Project construction activities may require firearms or other weapons to carry out their normal harvesting activities. Manitoba Hydro will work with registered trap line holders and outfitters to promote safe access practices and provide updated safety information and the location(s) of construction activities during their active harvesting periods. All registered trapline holders and licensed outfitters wishing to traverse the active construction site must meet with the Manitoba Hydro Construction Supervisor to inform the supervisor of their intentions, their destination(s) and avail themselves of safety information.
With respect to outfitters (their clients) and holders (and helpers) of registered trap lines, weapons (including long bows or cross bows) are permitted while traversing the active construction site under the following conditions:

- Firearms (including long bows and cross bows) must be unloaded, locked and cased while on the active construction site.

In addition, frequent safety information bulletins will be provided to all surrounding communities. Resource harvesters will be updated regularly on the location and timing of construction activities within the construction site.

4.3.7 Temporary Work Camps

Given the remoteness and limited services available in portions of the Project area, temporary work camps may be required in certain locations. Camp security measures will be implemented by the contractor for the safety and security of all personnel, property and the general public.

The number of workers within the temporary camps is expected to fluctuate considerably between seasons with the maximum number of workers within camps coinciding with the winter period when frozen ground conditions lend itself to equipment and materials transporting, clearing and Project construction. The number of workers in camps is expected to be considerably reduced during the non-frozen period. Temporary camps may have marshalling yards associated with them for the storage of materials, equipment and assemblage of transmission towers.

4.3.7.1 Control Gate

Where control gates are deemed necessary by Manitoba Hydro, they will be located at the entrance of camps but a minimum of 30 meters off the main adjoining road to allow large trucks to pull off and be clear of the intersection before stopping. Where the camp is located some distance from the main adjoining road, the control gate would be located as close to the camp location as practical to facilitate camp area security as well. The use and operation of the control gates will be determined prior to construction.

4.3.7.2 Restrictions

Manitoba Hydro and its contractors will govern activities within temporary work camps, including use and parking of personal vehicles. Personal ORVs will not be allowed to be stored at temporary camps, where the intent is not project related and work ATVs cannot be used for personal use. Similarly, all Manitoba Hydro and contractor personnel will not be permitted to transport, store or use firearms (e.g. firearms, all types of bows, etc.) on the construction site (including camps) or utilize construction access for hunting.
4.3.8 Temporary Work Camp Sites, Marshalling Yards and Borrow Pits
Temporary work camp sites, marshalling yards and borrow pits used for Project purposes form part of the construction site. All Project related access management measures shall apply to these sites. When any of the new sites are no longer required for Project purposes, and if not required by other non-project parties (e.g. Manitoba Conservation and Water Stewardship, Manitoba Infrastructure and Transportation, etc.), access into such sites will be decommissioned and all Project personnel will be restricted from entering such sites. Access decommissioning could include the placement of impediments (e.g., berms, boulders, debris, etc.) to restrict public access.

4.3.9 Trail Decommissioning
The existing access review work identified a number of existing access opportunities (i.e., intersections between the proposed ROW and existing highways, roads, trails and linear features) that minimizes the need for new access development to access the ROWs. In instances where new access is required and it is determined that the access is not required for maintenance purposes, all trails will be decommissioned. Once it is determined by the contractor if new access is required for each construction segment, a decommissioning plan will be prepared and submitted to Manitoba Conservation during the construction process. Any By-pass trails created for construction will be assessed for continued requirement for operations, if not required trail a decommissioning plan will be prepared and submitted to Manitoba Conservation and Water Stewardship. Manitoba Hydro will also remove any temporary construction access routes and rehabilitate disturbed areas within MIT’s ROW.

4.3.11 Compliance
Manitoba Hydro Environmental/Construction Inspectors will regularly inspect all aspects of the clearing and construction work to ensure compliance with the Project license, work permits, regulations, applicable guidelines and the applicable CEnvPP. Manitoba Hydro and its’ contractor personnel will limit/restrict non-project related vehicles and personnel on the construction site with particular emphasis on the active construction site. Information about safety, firearms/weapons rules will be distributed, as required, through:

- Signage at access points and on the construction site;
- Orientation of all workers;
- Information sessions with resource harvesters, outfitters and Aboriginal communities; and
- General information dissemination to the public and recreational organizations.
Breach of stated employment conditions (e.g., ORV, weapons, fishing) by Manitoba Hydro employees or contractor staff will result in disciplinary action, including potential dismissal from employment.

Clear communication of restrictions and safety measures, included in the construction access management plan, to workers, resource harvesters, stakeholders and local Aboriginal communities will contribute to safe work practices and the prevention of conflicts.

4.3.12 Environmentally Sensitive Sites
A number of environmentally sensitive sites (ESS) have been identified on and adjacent to the Project construction site through the public engagement process and biophysical and socio-economic studies conducted leading up to the development of the EIS. Additional ESS may be identified prior to and during the construction program, including potential heritage resources sites. Standard access management measures and responsibilities for implementation are provided in Appendix C. A full list of specific environmental protection measures is included in the Project CEnvPP.

4.4 Education and Communication Strategy

4.4.1 Purpose
An education and communication strategy for the AMP is vital to ensure successful implementation of the Plan. Manitoba Hydro Transmission Line and Civil Construction will be meeting with affected communities prior to construction. Furthermore, community liaison positions will be the primary contact for disseminating information regarding the project to communities, including access restrictions and protocols. Early, effective and frequent communication with project personnel and non-project parties is critical:

- To ensure the safety of workers and the public at large;
- To protect the environment from access related effects;
- To create an understanding among specific relevant groups and the public at large regarding what access management measures are being used and why;
- To gain the cooperation and support of parties (including leaders in neighbouring communities and Aboriginal communities and government agencies) in encouraging citizens to respect the intent of the Plan and abide by its measures;
- To provide clear information about the mechanisms by which access management will be implemented; and
- To foster a sense of trust between stakeholders, Aboriginal communities, municipalities, landowners, the public and Manitoba Hydro.

4.4.2 Methods
The education and communications strategy will be implemented by Manitoba Hydro. Table 4-3 lists the target audiences and sets out a variety of communication methods that could be used.
<table>
<thead>
<tr>
<th>Target Audience</th>
<th>Purpose</th>
<th>Responsibility</th>
<th>AMP Document</th>
<th>Brochure</th>
<th>Meeting</th>
<th>Website</th>
<th>Broadcast/Print Media</th>
</tr>
</thead>
</table>
| Aboriginal communities                               | • Understand restrictions, pre-notification procedures and rationale for same  
• Engage leadership to encourage membership to respect restrictions | LEA/TL and Civil Construction              | X            | X        | X       | X       | X                     |
<p>| Resource Management Boards                          | • Understand restrictions, pre-notification procedures and rationale for same | LEA                                         | X            | X        | X       | X       | X                     |
| Non-First Nation resource harvesters, outfitters and associations | • Understand restrictions, pre-notification procedures and rationale for same | LEA                                         | X            | X        | X       | X       | X                     |
| Province of Manitoba &amp; Federal Government            | • Understand restrictions, pre-notification procedures and rationale for same | LEA/TL and Civil Construction              | X            | X        | X       | X       | X                     |</p>
<table>
<thead>
<tr>
<th>Target Audience</th>
<th>Purpose</th>
<th>Responsibility</th>
<th>AMP Document</th>
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<th>Website</th>
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</tr>
</thead>
</table>
| Neighbouring communities/municipalities             | • Understand restrictions, pre-notification procedures and rationale for same  
| - Leadership                                         | • Engage leadership to encourage membership to respect restrictions   
| - Interest groups                                    | • Engage interest groups (e.g., snowmobile clubs, fish and game organizations) to respect restrictions | LEA/TL and Civil Construction                      | X            | X        | X       | X                   |
| Private land owners                                  | • Gain understanding of landowner concerns and specific land sensitivities  
|                                                    | • Inform landowner of access management measures to be implemented   
<p>|                                                    | • Develop additional specific access management measures, as required | MH Construction Supervisor or delegate              |              |          |         | X                   |
| Project Personnel                                    | • Understand restrictions, pre-notification procedures and rationale for same | Manitoba Hydro Construction Supervisor Contractor supervisor | X            | X        | X       | X                   |
| Job referral agents                                  | • Help to communicate restrictions during referral process             | LEA                                                 | X            | X        | X       | X                   |</p>
<table>
<thead>
<tr>
<th>Target Audience</th>
<th>Purpose</th>
<th>Responsibility</th>
<th>Full AMP</th>
<th>Brochure</th>
<th>Meeting</th>
<th>Website</th>
<th>Broadcast/Print Media</th>
</tr>
</thead>
</table>
| RCMP, emergency services | • Understand restrictions and types of incidents that they may be called to address;  
• Provide advance information regarding temporary access restrictions; | Manitoba Hydro Construction Supervisor | X | X | X | X | |

Keeyask Transmission Project  
Transmission - Construction Access Management Plan
4.4.3 List of Activities
A comprehensive task/schedule list is required to ensure successful implementation of the AMP. The following sets out a general schedule of communication activities:

- Planning and preparation of materials;
- Planning of initial round of meetings;
- One-on-one meetings with landowners prior to start of clearing and construction;
- Notify landowners prior to start of construction;
- Initial round of communication; and
- Periodic reinforcement of access management measures.

4.5 Monitoring and Follow-up

Access related monitoring shall occur for the following purposes:

- To determine whether the measures set out in this AMP are effective; and
- To adapt and improve measures in this AMP in response to actual experience (adaptive management).

Sources of monitoring information may include the following:

- Camp Security reports;
- Voluntary harvest and sighting information (e.g., animal sightings (location, date); harvested flora and fauna (location, date, amount harvested);
- Construction supervisor, senior environmental assessment officer, environmental inspector and environmental monitor, contractor personnel, documentation and reports;
- Manitoba Conservation and Water Stewardship resource officers and Manitoba Workplace Safety and Health inspectors and RCMP (as applicable);
- Input from resource harvesters, outfitters, Aboriginals, stakeholders, municipal leaders, landowners and the general public; and
- Other biophysical, socio-economic and community based monitoring.

The following factors are intended for monitoring:

- Issues and concerns raised by resource harvesters/outfitters;
- Non-construction related traffic on the construction site (type, volume, purpose, date, location, safety issues);
- Incidents or problems with access on the construction site (all traffic); and
- Incidents or problems with non-construction traffic on the construction site (circumstances, timing, and location).
Access management monitoring will be undertaken and compliment other biophysical and socio-economic monitoring conducted during the construction phase of the Project. Access related issues will be summarized by Environmental Inspectors and the Construction Supervisor in their respective monthly reports. Monitoring information will be acted upon, as necessary, by the Construction Supervisor.

5.0 Operations and Maintenance Access Management Plan Development
The Operations and Maintenance Access Management Plan (O&MAMP) will be developed prior to project commissioning. Experience gained during the construction phase of the Project will contribute to a more effective O&MAMP through the process of adaptive management. The Operations and Maintenance Access Management plan will consist of the following components:

- Purpose and objectives;
- Access management measures;
- Education and communications; and
- Monitoring and follow-up.