

Project Summary Table - Amisk Hydroelectric Project

Proponent Name:	AHP Development Corporation	Date:	12 June 2015
Project Name:	Amisk Hydroelectric Project	Company Contact Name and Information:	Paul McKendrick AHP Development Corporation Email: pmckendrick@amiskhydro.com Phone: 403-452-8126
Name of Company that will hold Approval:	AHP Development Corporation	Company Website:	http://www.amiskhydro.com/
Type of Project:	330 MW run-of-river hydroelectric facility	New Project, Expansion, Additional Phase or Modification:	New project
Projected Construction Start (Month/Year):	Q1 2018	Projected Operation Start (Month/Year):	Q1 2023
Life of Project (# years, YYYY – YYYY):	100, 2023-2123	Project Location and Municipality:	Headworks located at 4-36-80-6-W6 (east side) and 1-35-80-6-W6 (west side) [Approximately Lat: 55N 58'12" Long: 118W 48'00"] Headworks and headpond encompass the following municipalities: Saddle Hills County, Clear Hills County, Municipal District of Fairview No. 136, Municipal District of Spirit River No. 133, Birch Hills County
Total Project Area (ha):	The spillway and powerhouse at the dam site will have a combined length of approximately 370 m. The headpond created by the dam will extend approximately 50 km upstream and will flood approximately 800 ha	Private, Federal or Provincial Land:	Provincial and private land
Nearest Residence(s) (km):	To be confirmed after survey	Types of Activity:	Bank stabilisation, coffer dams and river diversion during construction, concrete gravity dam, generating station(s), spillway(s), lined approach channel(s), transmission line(s)

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Nearest First Nation Reserve(s) and Métis Settlements (name and km):	Duncan's First Nation (est. 60 km) Horse Lake First Nation (est. 80 km)	Project Products:	Electricity
Power Source (if on site generation describe quantity (MW) and facilities):	East and west powerhouses equipped with propeller turbine units resulting in a maximum plant capacity of 330MW	Method of Product Transport:	Transmission line
Average Production Capacity per Year:	1875 GWh/year	Infrastructure Requirements (e.g. roads, pipelines, water intake, storage, tankage etc.):	22 x 15 MW turbine units, gated spillway structure, fish passage structures, boat management, 240kV transmission line, permanent access roads on both sides of dam
Location of End Market:	Majority of power will be consumed in Alberta, additional power possibly to North American electrical grid	Expected Types of Air Emissions:	NO _x , SO ₂ , CO, PM, CO ₂ , and CH ₄ .
Project By-Products:	NA	Types of Wastes Generated:	Construction waste, organic decay (from flooding of headpond)
Expected Types of Effluent Releases (note the water bodies the effluent will be released):	None	Nearest Waterway/Waterbody (name and km)	The project and operations take place in and above the Peace River
Waste Management Facilities (i.e. Disposal Well, Salt Caverns, Landfill, or Third Party):	Appropriate landfills for construction waste will be utilized	EPEA Approval Required (Y/N/Unknown):	No
Watercourse Crossings (type of crossing, any Class A to C waterbodies):	No	Water Act Licence Required (Y/N/Unknown. If yes, purpose, source and estimated volumes):	Yes, for diversion (i.e. impoundment or headpond)
Regulatory Board(s) (ERCB/NRCB/AUC):	AUC, NRCB	Waterbodies Required (Y/N/Unknown/NA. If yes, # and ha):	Headpond created from the Peace River of approximately 800 ha
Water Act Approval Required (Y/N/Unknown. If yes, purpose):	Yes, for headworks (i.e. dam structure)	Will any of the components or activities associated with the project affect fish and/or fish habitat? (Y/N)	Yes

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Identify applicable sections in the Schedule to the Federal <i>Comprehensive Study List Regulations</i> (Y/N/Unknown):	Yes. Part II 4(b)	Identify Applicable federal legislative or regulatory requirements referred to in the Law List Regulations (i.e. permits, licenses, authorisations):	Canadian Environmental Assessment Act Fisheries Act Navigation Protection Act
Are any works or undertakings proposed to take place in, on, over, under, through or across a navigable water? (Y/N):	Yes	Nearest Water Well (km) (Domestic and Commercial):	There are numerous water wells in proximity to the Project area, the nearest one will be determined after survey
Nearest Provincial Highway (# and distance):	Hwy 729 (approximately 1.2 km east of Project area)	Access Improvements to Highway:	Construction required
Traffic Impact Assessment Required (Yes/No/Unknown):	Yes	Total Area to be Disturbed (ha):	To be determined as part of the TIA
Identify Existing Land and Water Use(s), Resource Management, or Conservation Plans Within or Near the Project site:	Agriculture, Oil and Gas Activity, Recreation, Parks/Conservation, Navigation, Minerals and Aggregate Production, Forestry, Traditional Land Use	Post-reclamation Land Use(s):	Traditional, recreational
Decommissioning Start and End (YYYY – YYYY):	TBD in EIA	Reclamation Start and End (YYYY – YYYY):	TBD in EIA
Unique Environmental or Social Considerations (Describe or None):	Project headworks, access roads and a portion of the headpond will be located in the Dunvegan West Wildland Provincial Park	Historic Resources Impact Assessment Required (Y/N/Unknown):	Yes
Estimated Construction Person – Years of Employment	TBD in EIA	Estimated Operation Person – Years of Employment	TBD in EIA
Construction or Operation Camp Required (Y/N/Unknown. If yes, on-site or off-site):	Yes, on-site both sides of dam	Method of Transport of Employees to Site (Construction and Operation):	Bus, private vehicle
Will the project involve the manufacture and storage of explosives (Y/N):	No	Is there any federal authority that is, or may be, providing financial support to the Project	No

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		(Y/N. If yes, identify the federal authority):	
Date stakeholder Engagement Started (Public/Aboriginal):	March 2013	Aboriginal Groups involved in Stakeholder Engagement:	Ongoing Notification and Consultation:
Public Groups Involved in Stakeholder Engagement	<ul style="list-style-type: none"> • Residents of the Municipal Districts of Fairview, Big Lakes, Greenview, Peace, Smoky River and Spirit River; the Counties of Clear Hills, Saddle Hills, Birch Hills, Northern Lights, Northern Sunrise and Grande Prairie; the City of Grande Prairie; and the Towns of Peace River, Grimshaw, Fairview, Rycroft, Falher, McLennan and Spirit River; Villages of Berwyn, Hines Creek, Nampa and Rycroft; and others as identified during the consultative process. • Landowners, caveators, residents and occupants • Commercial, industrial and recreational users • Alberta and British Columbia provincial and municipal representatives. • Federal government representatives • Representatives of NGOs and synergy groups • Recreation and Transport representatives • Outfitters • Trappers • Other potentially-affected parties 		<ul style="list-style-type: none"> • Beaver First Nation • Dene Tha' First Nation • Paddle Prairie Métis Settlement • Duncan's First Nations • Mikisew Cree First Nation • Woodland Cree First Nation • Horse Lake First Nation • Little Red River Cree Nation • Tall Cree First Nation • Métis Nation of Alberta, Zone 6 • Métis Nation of Alberta, Zone 6 (Fairview Locals) <p>Initial Notification during Stakeholder Scoping:</p> <ul style="list-style-type: none"> • Athabasca-Chipewyan First Nation • Beaver First Nation • Dene Tha' First Nation • Deninu K'ue First Nation • Duncan's First Nations • Fort Chipewyan Métis Local 125 • Fort Resolution Métis Council • Fort Smith Métis Council • Horse Lake First Nation • Little Red River Cree First Nation • Loon River Cree First Nations • Métis Nation of Alberta, Zone 6 • Métis Nation of Alberta, Zone 6 (Fairview Locals) • Mikisew Cree First Nation • Northwest Territory Metis Nation • Paddle Prairie Métis Settlement

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