



Northland Power Inc.
Toronto, Ontario

Environmental Report

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For

Kabinakagami River Project

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List of Abbreviations

AANDC	Aboriginal Affairs and Northern Development Canada
ANFO	Ammonia-Nitrate Fuel Oils
AQI	Air Quality Index
ARD	acid rock drainage
BHA	Baitfish Harvest Area
BMA	Bear Management Area
BMPs	best management practices
C	carbon
CCME	Canadian Council of Ministers of the Environment
CCREM	Canadian Council of Resource and Environment Ministers
CEA	Cumulative Effects Assessment
CEA Agency	Canadian Environmental Assessment Agency
CEAA	<i>Canadian Environmental Assessment Act</i>
CEAR	Canadian Environmental Assessment Registry
CH ₄	methane
Cl	chloride
Class EA	Class Environmental Assessment
CLFN	Constance Lake First Nation
CO	carbon monoxide
CO ₂	carbon dioxide
COSSARO	Committee on the Status of Species at Risk in Ontario
CSA	Canadian Standards Association
CSP	corrugated steel plate
CuFeS ₂	chalcopyrite
CWQG	Canadian Water Quality Guidelines
DFO	Fisheries and Oceans Canada
DOC	dissolved organic carbon
E. Coli	Escherichia Coli
EA	environmental assessment
EC	Environment Canada
ECT	Economic Connection Test
ELA	Experimental Lakes Area
ELARP	Experimental Lakes Area Reservoir Project
ELF	Extremely Low Frequency
EMF	Electromagnetic fields
EPC	Engineering, Procurement and Construction
ER/ES	Environmental Report/Environmental Screening
ESCP	Erosion and Sediment Control Plan
FEAC	Federal environmental assessment coordinator
FeS	pyrrhotite
FeS ₂	pyrite

FIT	Feed-In Tariff
FLUDEX	Flooded Upland Dynamics Experiment
FMP	Forest Management Plan
FPM	fine particulate matter
FRI	Forest Resources Inventory
GHG	greenhouse gases
GS	generating station
HADD	harmful alteration, disruption or destruction
Hatch	Hatch Ltd.
HC	Health Canada
HEDC	Hearst Economic Development Corporation
Hg	mercury
HONI	Hydro-One Networks Inc
HPC	Hazard Potential Classification
HVAC	heating, ventilation and air conditioning
IDF	Inflow Design Flood
INAC	Indian and Northern Affairs Canada
kV	kilovolt
kW·h	kilowatt hour
LRIA	<i>Lakes and Rivers Improvement Act</i>
LTAf	long-term average flow
MAA	Ministry of Aboriginal Affairs
MCI	Ministries of Citizenship and Immigration
MDL	method detection limit
ME	Ministry of Energy
MeHg	Methylmercury
MFO	Minister of Fisheries and Oceans
MNDMF	Ministry of Northern Development, Mines and Forestry
MNR	Ministry of Natural Resources
MOE	Ministry of the Environment
MOI	Ministry of Infrastructure
MTC	Ministry of Tourism and Culture
MTO	Ministry of Transportation
MW	megawatts
N ₂ O	nitrous oxide
NHIC	Natural Heritage Information Center
NIEHS	National Institute of Environmental Health Science
NO ₂ ⁻	Nitrite
NO ₂	nitrogen dioxide
NO ₃	nitrate
NOC	Notice of Commencement
Northland	Northland Power Inc.
NO _x	nitrogen oxides
NOZ	Normal Operating Zone

NPIC	Notice of Public Information Centre
NRCan	Natural Resources Canada
NWPA	<i>Navigable Waters Protection Act</i>
O ₃	ozone
OBBA	Ontario Breeding Bird Atlas
OBM	Ontario Broadscale Monitoring
OEMR	Operational Environmental Monitoring Report
ONR	Ontario Northern Railway
OPA	Ontario Power Authority
OPG	Ontario Power Generation
OPP	Ontario Provincial Police
OWA	Ontario Waterpower Association
OWA Class EA	Class Environmental Assessment for Waterpower Projects
PAH	polyaromatic hydrocarbons
PbS	galena
PIC	Public Information Centre
Project	Kabinakagami River Project
PTTW	Permit To Take Water
PWQO	Provincial Water Quality Objectives
RAs	responsible authorities
RCC	roller compacted concrete
RIN	Riverine Index Netting
ROW	Right of Way
RSFD	Resource Stewardship and Facility Development
SARO	Species at Risk in Ontario
SFL	Sustainable Forest License
SO ₂	sulphur dioxide
SWHTG	Significant Wildlife Habitat Technical Guidelines
TAC	Transportation Association of Canada
TC	Transport Canada
TDS	Total Dissolved Solids
TEK	Traditional Ecological Knowledge
TIC	total inorganic carbon
TKN	total Kjeldahl nitrogen
TOL	Target Operating Level
TRS	total reduced sulphur
TSP	Total Suspended Particulate
TSS	total suspended solids
VECs	Valued Ecosystem Components
VSC	Valued Socioeconomic Components
W2W	Water-to-Wire
WMP	Water Management Plan

WMU	Wildlife Management Unit
WSC	Water Survey of Canada
YOY	young of the year
ZnS	sphalerite