



APPLICATION FOR APPROVAL OF THE HANGINGSTONE EXPERIMENTAL IN-SITU COMBUSTION PROJECT

SUBMITTED TO
ALBERTA ENERGY RESOURCES CONSERVATION BOARD
AND
ALBERTA ENVIRONMENT

SUBMITTED BY
EXCELSIOR ENERGY LIMITED

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Appendices

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Appendix B	Air Quality Assessment Report
Appendix C	Noise Impact Assessment Report

List of Defined Terms

AAAQOs	Alberta Ambient Air Quality Objectives
AAFRD	Alberta Agriculture, Food and Rural Development
ACC	Alberta Caribou Committee
AENV	Alberta Environment
amsl	above mean sea level
ANHIC	Alberta Natural Heritage Information Centre
AOSERP	Alberta Oil Sands Environmental Research Program
ASIC	Alberta Soil Information Centre
ASRD	Alberta Sustainable Resources Development
AVI	Alberta Vegetation Inventory
AWI	Alberta Wetlands Inventory
Battery	battery facility
BFW	boiler feed water
bpd	barrels per day
C&R	Conservation and Reclamation
CCME	Canadian Council of Ministers of the Environment
CEMA	Cumulative Effects Management Association
CERP	Corporate Emergency Response Plan
COGD	Combustion Overhead Gravity Drainage
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CSS	Cyclic Steam Stimulation
Development Area	subsurface drainage area
DFO	Fisheries and Oceans Canada
DOW	dangerous oilfield waste
EIA	Environmental Impact Assessment
ELC	Ecological Land Classification
EPEA	<i>Alberta Environment Protection and Enhancement Act</i>
ERCB	Alberta Energy Resources Conservation Board
Excelsior	Excelsior Energy Limited
the Facility	Battery and the COGD well networks
GOR	gas to oil ratio
GSA	Geological Study Area
HP	high pressure
IBA	Alberta Important Bird Areas Network
IL	Information Letter

KB	Kelly bushing
LCC	Land Capability Classification
LOA	Letter of Authority
LP	low pressure
MARP	Measurement, Accounting and Reporting Plan
MD	measured depth
MSL	mineral surface lease
NPWG	Native Plant Working Group
OSCA	<i>Alberta Oil Sands Conservation Act</i>
OSE	oil sands exploration
OSVRC	Oil Sands Vegetation Reclamation Committee
OSWWG	Oil Sands Wetlands Working Group
OTSG	once through steam generator
pH	reactivity
PIHC	pre-ignition heating cycle
the Project	the Hangingstone Experimental In-Situ Combustion Project
RFMA	Registered Fur Management Area
RMWB	Regional Municipality of Wood Buffalo
ROW	right-of-way
SAGD	Steam Assisted Gravity Drainage
SARA	Canada <i>Species at Risk Act</i>
SMU	soil map unit
SQCRDR	Soil Quality Criteria Relative to Disturbance and Reclamation
XRD	X-Ray diffractometry