
14.0 ABBREVIATIONS AND ACRONYMS

AAQC	Ambient Air Quality Criterion
ACES	Automated Coastal Engineering System
ACNS	Advisory Committee on Nuclear Safety
ACRP	Advisory Committee on Radiological Protection
ACU	Air Cooling Unit
ADF	Atmospheric Dilution Factor
ADL	Administrative Dose Limits
AECB	Atomic Energy Control Board
AECL	Atomic Energy Canada Limited
AES	Atmospheric Environment Service
AGS	Annulus Gas System
AIFB	Auxiliary Irradiated Fuel Bay
ALARA	As Low As Reasonably Achievable, social and economic factors taken into consideration
ANSI	Area of Natural or Scientific Interest
AOO	Anticipated Operational Occurrence
APS	Auxiliary Power System
ASI	Aquatic Sciences Inc.
BATEA	Best Available Technology Economically Available
BDBA	Beyond Design Basis Accident
BMP	Best Management Practices
BOD	Biological Oxygen Demand
Bq	Becquerel
Bq/kg-C	Becquerel per kilogram of Carbon
BSI	British Standards Institution
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
C-14	Carbon 14
C of A	Certificate of Approval
CAC	Community Advisory Council
CANDU	Canada Deuterium Uranium (trademark of AECL)
CaCO ₃	Calcium carbonate

CARB	California Air Resources Board
CCME	Canadian Council of Ministers of the Environment
CCW	Condenser Cooling Water (also Condenser Circulating Water)
CEAA	Canadian Environmental Assessment Act
CEAR	Canadian Environmental Assessment Registry
CEOF	Corporate Emergency Operations Facility
CEQG	Canadian Environmental Quality Guidelines
Ci	Curie
cm	centimetre
CNEP	Consolidated Nuclear Emergency Plan
CNSC	Canadian Nuclear Safety Commission
CO	carbon monoxide
CO ₂	carbon dioxide
COD	Chemical Oxygen Demand
COESWIC	Committee on the Status of Endangered Wildlife in Canada
COG	CANDU Owner's Group
COSSARO	Committee on the Status of Species at Risk in Ontario
C/S	Containment/Surveillance
CSA	Canadian Standards Association
CSP	Corrugated Steel Pipe
CSCCP	Community and Stakeholder Consultation and Communication Program
CWC	Cold Weather Conditions
CWQG	Canadian Water Quality Guidelines
D ₂ O	Deuterium Oxide (Heavy Water)
dBA	A-weighted decibel
DBA	Design Basis Accident
DBE	Design Basis Earthquake
DDP	Detailed Decommissioning Plan
DEMO	Durham Emergency Management Office
DFO	Department of Fisheries and Oceans
DIAND	Department of Indian and Northern Development (see INAC)
DNGS	Darlington Nuclear Generating Station
DO	Dissolved Oxygen

DOC	Decommissioning Operations Contractor
DOE	U.S. Department of Energy
DRL	Derived Release Limit
DROP	Durham Regional Official Plan
DSC	Dry Storage Container
DSEA	Durham Strategic Energy Alliance
DSM	Dry Storage Modules
DTRF	Darlington Tritium Removal Facility
DWMF	Darlington Waste Management Facility
DWSP	Drinking Water Surveillance Program
EA	Environmental Assessment
EB	Eastbound (traffic related)
EARP	Environmental Assessment Review Process
EC	Environment Canada
ECI	Emergency Coolant Injection
ECL	Exposure Control Level
EFADS	Emergency Filtered Air Discharge System
ELC	Ecological Land Classification
EMO	Emergency Measures Ontario
EMP	Environmental Management Plans
EMS	Environmental Management System
ENEV	Estimated No Effect Values
EP	Emergency Plans
EPRC	Ex-Plant Release Category
EPRI/SQUG	Electric Power Research Institute/Seismic Qualification Utility Group
ERA	Ecological Risk Assessment
ERO	Emergency Response Organization
ERT	Emergency Response Team
ES	Earth Science Site
ESA	Environmental Site Assessment
ES&H	Environment, Safety & Health
EWC	Emergency Worker Centre
FA	Federal Authority

FADS	Filtered Air Discharge System
FDC	Fuel Damage Category
FEAI	Federal Environmental Assessment Index
FEMA	Federal Emergency Management Agency
FPCAP	Federal-Provincial Committee on Air Pollution
FTE	full-time equivalent
GHG	Greenhouse Gas
GMS	Groundwater Monitoring Series
GSC	Geological Survey of Canada
GST	generator service transformer
GTA	Greater Toronto Area
GUCSO	Guideline for Use at Contaminated Sites in Ontario
Gy	gray (unit of dose)
h	hours
ha	hectare
HAZMAT	Hazardous Materials
HC	Health Canada
HPECI	High Pressure Emergency Coolant Injection
HQEOC	Headquarters Emergency Operations Centre
HTO	Tritiated Heavy Water
Hz	hertz
IAEA	International Atomic Energy Agency
IBP	International Biological Program
ICI	Industrial Commercial Institutional
ICRP	International Commission on Radiological Protection
IFB	Irradiated Fuel Bay
IGLD	International Great Lakes Datum
ILW	Intermediate Level Waste (radioactive)
IMTS	Issue Management Tracking System
INAC	Department of Indian and Northern Affairs (see DIAND)
INPO	Institute of Nuclear Power Operations
IR	Indian Reserve
ISO	International Standard Organization

ISR	Integrated Safety Review
ISRS	International Safety Rating System
ITS	Intelligent Transport System
IX	Ion Exchange
JIC	Joint Information Centre
K	hydraulic conductivity
km	kilometre
kV	kilovolt
kW	kilowatt
LEL	Lowest Effect Level
L_{eq}	A-weighted level of a steady sound having the same total energy in a one-hour period as the observed fluctuality sound
LLW	Low Level Waste (radioactive)
LOCA	Loss of Coolant Accident
LOS	Level of Service (related to traffic)
LPSW	Low Pressure Service Water
LS	Life Science Site
LSFCRP	Large Scale Fuel Channel Replacement Program
μCi	microcurie
μg	microgram
μGy	microgray
μm	micron (micrometre)
μSv	microsievert
M	magnitude (with respect to seismicity as measured on the moment magnitude scale)
m	metre
m^3	cubic metre
masl	metres above sea level
mbgs	metres below ground surface
mm	millimetre
MPa	megapascal
mSv	millisievert
MDA	Minimum Detectable Activity

MDL	Method Detection Limit
MDU	Monitoring and Decontamination Unit
MEOC	Municipal Emergency Operations Centre
MEV	Million Entering Vehicles (the intersection – traffic related)
MISA	Municipal and Industrial Strategy for Abatement
MLD	Megalitres per Day
MNO	Métis Nation of Ontario
MNR	Ministry of Natural Resources (Ontario)
MOC	Municipal Operations Centre
MOE	Ontario Ministry of the Environment
MOT	Main Output Transformer
MP	Member of Parliament
MPP	Member of Provincial Parliament
MW(e)	megawatt (electrical)
MWh/kgU	megawatt hours per kilogram of Uranium
M/O	Monin Obukhov
NB	Northbound (traffic related)
NBC	National Building Codes
NCRP	National Council on Radiation Protection
NDR	National Dose Registry
NEP	Nuclear Emergency Plan
NEW	Nuclear Energy Worker
NFC	National Fire Code
NFWA	Nuclear Fuel Waste Act
NGS	Nuclear Generating Station
nGy/h	nanogray per hour
NHIC	Natural Heritage Information Centre
NO _x	nitrogen oxides
NPT	Treaty on the Non-proliferation of Nuclear Weapons
NRCan	Natural Resources Canada
NSCA	Nuclear Safety and Control Act
NURP	National Urban Runoff Program
NWMD	Nuclear Waste Management Division

NWMO	Nuclear Waste Management Organization
NWO	Nuclear Waste Operations
ODWO	Ontario Drinking Water Objective
OH&S	Occupation Health and Safety
OHSMS	Occupational Health and Safety Management System
OPG	Ontario Power Generation Inc.
OPT	Ontario Power Technologies
ORSMP	Occupational Radiological Safety Management Program
OSH	Oshawa Water Pollution Control Plant
OSST	Off-Site Survey Team
OWRA	Ontario Water Resources Act
PARTS	Pickering A Return to Service
PARU	Pickering-Ajax Rescue Unit
PBRA	Pickering B Risk Assessment
PBSR	Pickering B Safety Report
PCB	Polychlorinated biphenyl
PDP	Preliminary Decommissioning Plan
PEVS	Powerhouse Emergency Venting System
PIC	Pickering Audley Station
PIOTS	Pickering Incoming/Outgoing Transfer System
PING	Particulates, Iodine, Noble Gas
PM ₁₀	particulate matter < 10 µm in diameter
PM _{2.5}	particulate matter < 2.5 µm in diameter
PN	Pickering Nuclear
PNEP	Provincial Nuclear Emergency Plan
PNGS	Pickering Nuclear Generating Station
PNGS A	Pickering Nuclear Generating Station A
PNGS B	Pickering Nuclear Generating Station B
POC	Provincial Operations Centre
POI	Point of Impingement
ppm	parts per million
PRA	Probabilistic Risk Assessment
PRD	Pressure Relief Duct

PSL	Priority Substance List
PSQG	Provincial Sediment Quality Guidelines
PUFDSF	Pickering Used Fuel Dry Storage Facility
PWMF	Pickering Waste Management Facility
PWMF I	Pickering Waste Management Facility Phase I
PWMF II	Pickering Waste Management Facility Phase II
PWQO	Provincial Water Quality Objectives
QA/QC	Quality Assurance and Quality Control
RA	Responsible Authority
RC	Reception Centre
RCSF	Retube Components Storage Facility
REMP	Radiological Environmental Monitoring Program
RFTP	Radioactive Filter Transportation Package
RLE	Review Level Earthquake
RLWMS	Radioactive Liquid Waste Management System
ROC	Regional Operations Centre
RP	Radiation Protection
RWS	Retube Waste Storage
SAP	Site Assessment Plan
SB	Southbound (traffic related)
SDE	Site Design Earthquake
SDS	Shutdown System
SEA	Significant Environmental Aspect
SG	Standby Generator
SGWS	Soil, Groundwater and Sediment Standards
SI	Screening Indices
SMA	Seismic Margin Assessment
SMC	Site Management Centre
SMR	Security Monitoring Room
SO ₂	Sulphur Dioxide
SPM	Suspended Particulate Matter
Sr-90	Strontium 90
SST	System Service Transformer

Sv	sievert
SW	Service Water
SWCS	Storm Water Control Study
SWL	Still Water Line
TAB	Turbine Auxiliary Bay
TBq	Tera Bequerel
TC	Transport Canada
TDO	Tritiated Deuterium Oxide
TDS	Total Dissolved Solids
TFWT	Tissue Free Water Tritium
TLD	Thermoluminescent Dosimeter
TLH	Total Loss of Heat
TOC	Total Organic Carbon
TOR	Toronto Pearson International Airport
TPH	total petroleum hydrocarbons
TQD	Training & Qualification Description
TRC	Total Residual Chlorine
TRCA	Toronto Region Conservation Authority
TRF	Tritium Removal Facility
TSD	Technical Support Document
TSS	total suspended solids
TSSR	total suspended solids reduction
TWh	terawatt hours
TFWT	Tissue-free Water Tritium
UFDS	Used Fuel Dry Storage
UNSCEAR	United Nations Scientific Committee on the Effects of Atomic Radiation
UOIT	University of Ontario Institute of Technology
UPP	Upgrading Plant Pickering
UPS	Uninterruptible Power Supply
U.S. EPA	United States Environmental Protection Agency
UST	Underground Storage Tank
UV	Ultraviolet
VB	Vacuum Building

VC	Valued Component
V/C	Volume/Capacity
VCHC	Valued Cultural Heritage Component
VEC	Valued Ecosystem Component
VOCs	volatile organic compounds
VSC	Valued Social Component
WB	Westbound (traffic related)
WHC	Wildlife Habitat Council
WHO	World Health Organization
WPCP	Water Pollution Control Plant
WSIB	Work Safety and Insurance Board
WSP	Water Supply Plant
WTF	Water Treatment Plant
WWC	Warm Weather Conditions
WWMF	Western Waste Management Facility
y	years

