

CoRWM ACRONYM LIST

Note: This is a compilation of all the acronyms used to date in CoRWM reports and position papers. It will be added to as necessary and used when drafting future reports and papers.

ACSEPT	Actinide Recycling by Separation and Transmutation (an EU research project)
AECL	Atomic Energy of Canada Ltd
AGR	advanced gas cooled reactor (A type of reactor with a graphite core, and uranium oxide fuel in steel cladding with a graphite sleeve.)
ALARA	as low as reasonably achievable
ALARP	as low as reasonably practicable
ALS	Advanced Light Source (at University of California Berkeley, USA)
Andra	Agence Nationale des Déchets Radioactifs (French state-owned agency for radioactive waste management)
ANRE	Agency for Natural Resources and Energy (Japan)
APM	adaptive phased management (of nuclear fuel, Canada)
APS	Advanced Photon Source (at Argonne National Laboratory, USA)
ASCC	atmosphere assisted stress corrosion cracking
ASN	Autorité de Sûreté Nucléaire (French nuclear and radiological safety regulator)
AWE	Atomic Weapons Establishment (at Aldermaston). (AWE plc is the company that runs Aldermaston and Burghfield under contract to the Ministry of Defence.)
BAT	best available techniques
BBSRC	Biotechnology and Biological Sciences Research Council
BE	British Energy
BERR	Department for Business, Enterprise and Regulatory Reform (now part of the Department for Business, Innovation and Skills)
BGS	British Geological Survey
BIS	Department for Business, Innovation and Skills

BNES	British Nuclear Energy Society
BNFL	British Nuclear Fuels Ltd
BNG	British Nuclear Group
BNGSL	British Nuclear Group Sellafield Ltd (now simply Sellafield Ltd)
BPEO	best practicable environmental option
BRE	Building Research Establishment
BRGM	Bureau de Recherches Géologiques et Minières (French equivalent of BGS)
BTC	BNFL Technology Centre (now the Central Laboratory) at Sellafield
BWR	boiling water reactor
CANDU	Canadian deuterium uranium reactor (a reactor with natural uranium fuel and heavy water (deuterium oxide) as the moderator and coolant)
CASE	Co-operative Award in Science and Engineering (scheme to support PhD research in UK)
CEA	Commissariat à l'Energie Atomique (French government-funded technological research organisation)
CEGB	Central Electricity Generating Board
CEH	Centre for Ecology and Hydrology (a NERC research centre)
CIP	COWAM in Practice (the latest phase of the COWAM project)
CNE	Commission Nationale d'Evaluation des recherches sur la gestion des déchets radioactifs (French national commission for evaluation of radioactive waste management R&D)
CNRS	Centre Nationale de la Recherche Scientifique (French government-funded national centre for scientific research)
COGER	Coordinating Group on Environmental Radioactivity (an informal NERC advisory group)
COMARE	Committee on the Medical Aspects of Radiation in the Environment
CoRWM	Committee on Radioactive Waste Management
CoSLA	Consortium of Scottish Local Authorities

COWAM	Community Waste Management (an EU project)
CPD	continuing professional development
CRIEPI	Central Research Institute of the Electric Power Industry (Japan)
CRP	Co-ordinated Research Project (run by IAEA)
CRR	Centre for Radiochemistry Research (BNFL URA at Manchester university)
CSR	Comprehensive Spending Review
D&V	demonstration and validation
DBD	deep borehole disposal
DECC	Department of Energy and Climate Change
DECOVALEX	Development of Coupled THCM Models and their Validation against Experiments (an international research project)
Defra	Department for Environment, Food and Rural Affairs
DFR	Dounreay Fast Reactor or Directorate of Fisheries Research (part of MAFF)
DfT	Department for Transport
DIAMOND	Decommissioning, Immobilisation and Management of Nuclear Wastes for Disposal (a consortium of universities carrying out research, funded by RCUK)
DIUS	Department for Innovation, Universities and Skills (now part of the Department for Business, Innovation and Skills)
DOE	Department of Energy (USA)
DoE	Department of the Environment (subsequently the Department for Environment, Transport and the Regions, DETR, then Defra)
DoENI	Department of the Environment Northern Ireland
DRP	Direct Research Portfolio (the directly funded NDA research programme)
DSSC	disposal system safety case (being developed by NDA)
DU	depleted uranium

EA	Environment Agency, England and Wales
EARP	Enhanced Actinide Removal Plant (at Sellafield)
EBS	engineered barrier system
EC	European Commission
EDF	Electricité de France
EDZ	engineering disturbed zone
EHS	Environment and Heritage Service (of Northern Ireland, superseded by the Northern Ireland Environment Agency)
EIA	environmental impact assessment
EMUS	Encapsulation of Metallic Uranium Steering Group (established by Sellafield Ltd)
EPHH	environmental pollution and human health (a NERC research theme)
EPP2	Environmental Permitting Programme, phase 2
EPS	Encapsulated Product Store (at Sellafield, there are three stores: EPS1, EPS2 and EPS3)
EPSRC	Engineering and Physical Sciences Research Council
ERSP	Environmental Remediation Sciences Program (in the USA)
ESRC	Economic and Social Research Council
ESRF	European Synchrotron Radiation Facility (in Grenoble)
EU	European Union
FEPs	features, events and processes (to be considered in post-closure safety cases for GDFs)
FHP	fuel handling plant
FORGE	Fate of Repository Gases (an EU research project)
Forpro	Formation Géologique Profonde (a French research consortium on URLs)
FP	Framework Programme (of the EC)
FSD	Food Sciences Division (part of MAFF)

FUD	Forskning, Utveckling och Demonstration (Research, Development and Demonstration programme, Sweden)
FUNMIG	Fundamental Processes of Radionuclide Migration (an EU research project, now ended)
FZD	Forschungszentrum Dresden (federally-supported research centre, Germany)
GBq	gigabecquerel (a unit of radioactivity)
GDF	geological disposal facility
GDIB	Geological Disposal Implementation Board (a UK Government Group)
Gedeon	Gestion des Déchets par des Options Nouvelles (a French research consortium on new waste management options)
GLEEP	Graphite Low Energy Experimental Pile (a research reactor at Harwell)
GOCO	Government owned, contractor operated
GRA	Guidance on Requirements for Authorisation (for disposal of solid radioactive wastes, produced by the environment agencies)
HAW	higher activity waste
HAWS	higher activity wastes strategy
HLW	high level waste
HMIP	Her Majesty's Inspectorate of Pollution (a predecessor of the Environment Agency)
HPA	Health Protection Agency
HSE	Health and Safety Executive
IAEA	International Atomic Energy Agency (a United Nations agency)
IGD-TP	Implementing Geological Disposal Technology Platform (an EU project)
IGSC	Integrated Group on the Safety Case (of NEA's RWMC)
ILL	Institut Laue Langevin
ILW	intermediate level waste
INE	Institut für Nukleare Entsorgung (Institut for Nuclear Waste Disposal, federally-supported research centre at Karlsruhe, Germany)

INSU	Institut Nationale des Sciences de l'Univers (French national institute for earth sciences and astronomy, maintained by CNRS)
IOMMM	Institute of Materials, Minerals and Mining
IoP	Institute of Physics
IPC	Infrastructure Planning Commission
IPSE	Institute for Particle Science and Engineering (BNFL URA at Leeds University)
IRSN	Institut de Radioprotection et de Sûreté Nucléaire (French agency that advises ASN on radiological and nuclear safety)
ISL	Immobilisation Science Laboratory (BNFL URA at Sheffield University)
ITE	Institute for Terrestrial Ecology
ITRG	Independent Technical Review Group (Canada)
ITU	Institut für Transurane (European institute for transuranic elements, Karlsruhe, Germany)
IVO	Imatran Voima Oy (Finnish nuclear power company, now Fortum)
JAEA	Japanese Atomic Energy Authority
JRC	Joint Research Centre (of the EU)
kg	kilogramme
KNOO	Keeping the Nuclear Option Open (a consortium of universities carrying out research, funded by RCUK)
KTA	Knowledge Transfer Account (an EPSRC funding scheme to encourage knowledge transfer from universities to industry)
LGA	Local Government Association
LLW	low level waste
LLWR	Low Level Waste Repository (near Drigg, in Cumbria)
LMI	labour market intelligence (research)
LoA	Letter of Arrangement (Group, advisor to EPSRC)
LoC	Letter of Compliance (previously Letter of Comfort)

LPA	Local Planning Authority
LTP	lifetime plan (produced for each NDA site)
LWR	light water reactor (a generic term, includes BWRs and PWRs)
m	metre
m ³	cubic metre
M&O	management and operations
MAFF	Ministry of Agriculture, Fisheries and Food
MEP	Magnox Encapsulation Plant (at Sellafield)
METI	Ministry of Economy, Trade and Industry (Japan)
MKG	Miljöorganisationernas Kärnavfallsgranskning (Swedish NGO office for nuclear waste review)
MoD	Ministry of Defence
MoMaS	Modélisation Mathématique et Simulations Numériques (a French research consortium on mathematical modelling)
MOP	Magnox Operating Plan (the current plan is the eighth, MOP8)
MOX	mixed oxide fuel (contains uranium and plutonium oxides)
MPC	Materials Performance Centre (BNFL URA at Manchester University)
MRC	Medical Research Council
MRP	Magnox reprocessing plant (at Sellafield)
MRWS	Managing Radioactive Waste Safely (the UK programme for the management of higher activity wastes)
MVDS	modular vault dry store
MWDF	Minerals and Waste Development Framework
NABIR	Natural and Accelerated Bioremediation Program (in the USA)
NAO	National Audit Office
NAS	National Academy of Sciences (USA)
NDA	Nuclear Decommissioning Authority

NDARB	Nuclear Decommissioning Authority Research Board on nuclear decommissioning and waste clean-up
NEA	Nuclear Energy Agency (part of the Organisation for Economic Cooperation and Development)
NERC	Natural Environment Research Council
NFLA	Nuclear Free Local Authorities
NF-Pro	Near-field Processes (an EU research project, now ended)
NGO	non-governmental organisation
NIEA	Northern Ireland Environment Agency
NII	Nuclear Installations Inspectorate (part of HSE)
NNL	National Nuclear Laboratory
Nomade	Nouvelles Matrices Déchets (a French research consortium on new waste matrices)
NPF	National Planning Framework (in Scotland)
NRI	Nuclear Research Index (compiled by HSE)
NSAN	National Skills Academy for Nuclear
NSG	National Stakeholder Group (for the NDA) or Nuclear Skills Group
NTEC	Nuclear Training Education Consortium (UK)
NuLeAF	Nuclear Legacy Advisory Forum
NuSAC	Nuclear Safety Advisory Committee (now disbanded, advised HSE)
NUMO	Nuclear Waste Management Organisation (Japan)
NVQ	National Vocational Qualification
NWAT	Nuclear Waste Assessment Team (within the Environment Agency)
NWMO	Nuclear Waste Management Organisation (Canada)
NWRF	Nuclear Waste Research Forum (a group convened by the NDA)
NWTRB	Nuclear Waste Technical Review Board (in the USA)
OCNS	Office of Civil Nuclear Security (part of HSE)

OECD	Organisation for Economic Cooperation and Development
ONE	Office of Nuclear Energy (part of USDOE)
OPC	ordinary Portland cement
OPECST	Office Parlementaire d'Evaluation des Choix Scientifiques et Technologiques (French Parliamentary Office for evaluation of scientific and technological options)
P&T	partitioning and transmutation
PACE	Programme pour l'Aval du Cycle Electronucléaire (a French nuclear research programme)
PACEN	Programme pour l'Aval du Cycle Electro-Nucléaire (a French nuclear research programme, successor to PACE)
PCG	Programme Coordination Group (for the Research Councils)
PCM	plutonium contaminated material
PDRA	post-doctoral research associate
PFR	Prototype Fast Reactor (at Dounreay)
PIA	Preliminary Investigation Area (Japan, for geological disposal facility)
PIP	provisional implementation plan (the NDA plan for implementation of geological disposal)
PNNL	Pacific Northwest National Laboratory (USA)
Practis	Physico-chimie de Radioéléments, des Actinides, aux Interfaces et en Solutions (a French research consortium on the physico-chemistry of radionuclides)
PSE	public and stakeholder engagement
PVC	polyvinylchloride
PWR	pressurised water reactor
RADREM	Radioactivity Research and Environment Monitoring (committee of UK DoE)
RAEng	Royal Academy of Engineering
RCEP	Research Councils Energy Programme or Royal Commission on Environmental Pollution

RCF	rock characterisation facility
RCUK	Research Councils UK (coordinating body for the various Research Councils)
R&D	research and development
RECOSY	Redox Phenomena Controlling Systems (an EU research project)
REPs	Radioactive Substances Regulation Environmental Principles (for Environment Agency regulators)
RRG	Research Review Group (advises HSE on nuclear safety research)
RS	Royal Society
RSC	Royal Society of Chemistry
RWIN	Radioactive Waste Immobilisation Network
RWMAC	Radioactive Waste Management Advisory Committee
RWMC	radioactive waste management case (a safety case for a proposed waste conditioning and packaging process) or Radioactive Waste Management funding and research Centre (Japan) or Radioactive Waste Management Committee (of NEA)
RWMD	Radioactive Waste Management Directorate (of NDA)
SA	sustainability appraisal
SAC	Scientific Advisory Committee (of RCUK)
SAPs	HSE's Safety Assessment Principles for Nuclear Facilities
SDDG	Strategy Development and Delivery Group (for NDA, chaired by DECC)
SEA	strategic environmental assessment
SED	safety and environmental detriment (a scoring system used by NDA to rank its facilities and sites in terms of hazard)
SEPA	Scottish Environment Protection Agency
SF	spent fuel
SGHWR	Steam Generating Heavy Water Reactor (an experimental reactor at Winfrith)
SISB	Science and Innovation Strategy Board (NERC advisory committee)

SIXEP	Site Ion Exchange Plant (at Sellafield)
SKB	Svensk Kärnbränslehantering AB (Swedish nuclear fuel and waste management company)
SKI	Swedish nuclear power inspectorate (now part of SSM)
SLC	site licence company (a company that runs an NDA site, under contract to the NDA, and holds the nuclear site licence)
SMS	strategy management system (of NDA)
SNIFFER	Scotland and Northern Ireland Forum for Environmental Research
SNWF	Swedish Nuclear Waste Fund
SRL	Safety Reference Level (established by WENRA)
SSC	Sector Skills Council
SSEB	South of Scotland Electricity Board
SSEC	sub-surface exclusion criteria
SSG	Site Stakeholder Group (at NDA sites)
SSI	Swedish radiation protection authority (now part of SSM)
SSM	Strålsäkerhetsmyndigheten (Swedish Radiation Safety Authority, formed in 2008 by merger of SSI and SKI)
SSP	Site Security Plan
SSRL	Stanford Synchrotron Radiation Laboratory (USA)
STFC	Science and Technology Facilities Council
STUK	Säteilyturvakeskus (Finnish radiation and nuclear safety authority)
TBuRD	Technical Baseline and underpinning R&D Document (produced by each SLC for its sites)
THCM	thermal-hydraulic-chemical-mechanical (coupled processes in the near-field of a GDF)
tHM	Metric tonnes of heavy metal (uranium and plutonium)
THORP	Thermal Oxide Reprocessing Plant (at Sellafield)
TMF	Tails Management Facility (to be built at Urenco's Capenhurst site)

TSB	Technology Strategy Board (of BIS)
TVO	Teollisuuden Voima Oy (Finnish nuclear power company)
UKAEA	United Kingdom Atomic Energy Authority (now used only as an acronym, mainly as part of the names of the organisations into which the Authority was split)
UKSO	United Kingdom Safeguards Office (part of HSE)
URA	University Research Alliance (e.g. with NNL)
URF	underground research facility
URL	underground research laboratory
USDOE	United States Department of Energy
USGS	United States Geological Survey
USNRC	United States Nuclear Regulatory Commission
VPS	Vitrified Product Store (at Sellafield)
WAG	Welsh Assembly Government
WAGR	Windscale AGR (an experimental reactor at Sellafield)
WANO	World Association of Nuclear Operators
WENRA	Western European Nuclear Regulators Association
WIPP	Waste Isolation Pilot Plant (a geological disposal facility in New Mexico, USA)
WMO	waste management organisation
WMSG	Waste Management Steering Group (a UK Government Group)
WMT	Waste Management Technology (company based at Winfrith)
ZEBRA	Zero Energy Breeder Reactor Assembly (an experimental facility at Winfrith, now dismantled)