

**Environmental Impact Assessment  
Report  
for  
the Facility for Treatment and Conditioning of  
Radioactive Wastes with High Volume  
Reduction Factor  
at Kozloduy Nuclear Power Plant**

# **Environmental Impact Assessment Report for the Facility for Treatment and Conditioning of Radioactive Wastes with High Volume Reduction Factor at Kozloduy Nuclear Power Plant**

## **VOLUME 1**

**Environmental Impact Assessment  
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**VOLUME 2**

**Environmental Impact Assessment  
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**VOLUME 3**

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Number revision	of	Reason/ Main modifications/ Explanations
00		Initial Document
01		Based on the Client and EBRD comments on Rev.00
01 (27.07.2012)		Based on the comments of the KNPP Safety Council
02		Based on MEW comments

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## LIST OF ABBREVIATIONS

AB-2	Auxiliary building 2
ALARA	As Low As Reasonably Achievable
BAT	Best Available Techniques
BEEA	Bulgarian Executive Environment Agency
BEPA	Bulgarian Environmental Protection Act
BNRP	Basic Norms for Radiation Protection
BNRA	Bulgarian Nuclear Regulatory Agency
CA	Controlled Area
CEM	Continuous Emission Monitoring
CMD	Council of Ministers Decree
DECO	Decommissioning
EBRD	European Bank for Reconstruction and Development
EC	European Commission
EEA	Environmental Executive Agency
EIA	Environmental Impact Assessment
EIAR	Environmental Impact Assessment Report
EPA	Environmental Protection Act
EWN	Energiewerke Nord (German company)
EU	European Union
HVRF	High volume Reduction Factor
IAEA	International Atomic Energy Agency
IP	Investment Proposal
ISAR	Intermediate Safety Analysis Report
KIDSF	Kozloduy International Decommissioning Support Fund
KNPP	Kozloduy Nuclear Power Plant
KPMU	Kozloduy Project Management Unit
LLA	Long Lived Aerosols
MA	Monitored Area
MEW	Ministry of Environment and Water
MH	Ministry of Health
MRDPW	Ministry of Regional Development and Public Works
NDF RAW	National Disposal Facility for Low and Intermediate Level Radioactive Waste
NPP	Nuclear Power Plant
NTS	Non Technical Summary
NSI	National Statistical Institute

PH	Public Hearing
PG-1	Power Generation 1 (Units 1-4)
PMF	Plasma Melting Facility
PTC	Primary Treatment Chamber
RAW	Radioactive Waste
RCC	Reinforced Concrete Containers
RCMIW	Repository for Conventional Municipal and Industrial Waste
RHI	Regional Health Inspection
RNG	Radioactive Noble Gases
RPZ	Radiation protection zone
RTC EIA	Regulation on the Terms and Conditions for carrying out Environmental Impact Assessment
SAR	Safety Analysis Report
SE	Safe Enclosure
SEA	Safe Enclosure Area
Kozloduy RAW SD	Kozloduy RAW Special Department
SE"RAW"	State Enterprise RAW
SFP	Spent Fuel Pool
SFSF	Spent Fuel Storage Facility
SG	State Gazette
STC	Secondary Treatment Chamber
TD	Technical Design
TLD	Thermoluminescent Dosimeter
ToR	Terms of Reference
TS	Technical Specification
VRF	Volume Reduction Factor
VS	Ventilation stuck
WWER	Water-Water Energy Reactor