

## 8.1 LEGISLATION

### *DOCUMENTS OF EBRD*

- (1). Environmental policy and social policy of EBRD, approved on 12.05.2008;
- (2). Public Information Policy of EBRD, approved on 12.05.2008;
- (3). Environmental Procedures of EBRD, 28 July 2003.

### *DOCUMENTS OF ICRP*

- (4). ICRP, Radiological Protection Policy for the Disposal of Radioactive Waste, Publication No. 77, Elsevier, Oxford (1997);
- (5). ICRP, Radiation Protection Recommendations as Applied to the Disposal of Long-Lived Solid Radioactive Waste, Publication No. 81, Elsevier, Oxford (1999)

### *SAFETY STANDARDS OF IAEA AND TECHNICAL DOCUMENTS THAT COULD BE USED IN THE EVALUATION ON THE IMPLEMENTATION OF GOOD PRACTICES*

- (1). Considerations in the development of near surface repositories for radioactive waste, Technical reports series No.417, 2003;
- (2). Disposal Aspects of low- and intermediate-level level decommissioning waste, IAEA-TECDOC-1572, 2007;
- (3). Disposal of Radioactive Waste. Safety Standards Series No. SSR-5, 2011;
- (4). Disposal options for disused radioactive sources, Technical reports series No.436, 2005
- (5). Fundamental Safety Principles, SF-1, 2006 ;
- (6). IAEA Safety Glossary: Terminology Used in Nuclear Safety and Radiation Protection, 2007 Edition. Vienna, 2007;
- (7). IAEA, Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material, Safety Safety Standards Series SSG-26, 2014;
- (8). IAEA, Environmental and Source Monitoring for Purposes of Radiation Protection Safety Guide IAEA Safety Standards Series RS-G-1.8, 2005;
- (9). IAEA, Fundamental Safety Principles, Safety Fundamentals No.SF-1, IAEA, 2006;
- (10). IAEA, ISAM Report Safety Assessment Methodologies for Near Surface Disposal Facilities, vol.1 Review and Enhancement of Safety Assessment Approaches and Tools, vol.2 Test cases;
- (11). IAEA, Low- and intermediate-level level waste repositories: socioeconomic aspects and public involvement, IAEA-TECDOC-1553, Vienna, 2007;
- (12). IAEA, Monitoring and Surveillance of Radioactive Waste Disposal Facilities, IAEA Safety Standards, Specific Safety Guide No.SSG-31, 2014;
- (13). IAEA, Near Surface Disposal Facilities for Radioactive Waste, IAEA Safety Standards, Specific Safety Guide N.SSG-29, 2014;

- (14). IAEA, Near Surface Disposal of Radioactive Waste, Safety Requirement, Safety Standards Series No. WS-R-1, 1999;
- (15). IAEA, Predisposal Management of Radioactive Waste, Safety Standards, No. GSR part 5, 2009;
- (16). IAEA, Procedures and techniques for closure of near surface disposal facilities for radioactive waste, IAEA-TECDOC-1260, 2001;
- (17). IAEA, Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards IAEA Safety Standards Series GSR Part 3, 2014;
- (18). IAEA, Regulations for the Safe Transport of Radioactive Material (2012 Edition) Safety Standards Series No. SSR-6, 2012;
- (19). IAEA, Safety Assessment for Near Surface Disposal of Radioactive Waste, Safety Guide, Safety Standards Series No. WS-G-1.1, 1999;
- (20). IAEA, Siting of near surface disposal Facilities, IAEA Safety Series No.111-G-3.1, 1994;
- (21). IAEA, Storage of Radioactive Waste, Safety Standards, Safety Guide No.WS-G-6.1, 2006;
- (22). IAEA, Surveillance and Monitoring of Near Surface Disposal Facilities for Radioactive Waste Safety Reports Series 35, 2004;
- (23). IAEA, The Principles of Radioactive Waste Management, Safety Standard Series No.111-F, IAEA, 1995;
- (24). IAEA, The Safety Case and Safety Assessment for the Disposal of Radioactive Waste, IAEA Safety Standards, Specific safety Guide No.SSG-23, 2012;
- (25). Low- and intermediate-level level waste repositories: socioeconomic aspects and public involvement, IAEA-TECDOC-1553, 2007;
- (26). Monitoring and surveillance of radioactive waste disposal facilities. Safety Standards Series No. SSG-31, 2014;
- (27). Near Surface Disposal Facilities for Radioactive Waste. Safety Standards Series No. SSG-29, 2014;
- (28). Near surface disposal of radioactive waste, Safety Requirements No. WS-R-1, 1999;
- (29). Performance of engineered barrier materials in near surface disposal facilities for radioactive waste, IAEA-TECDOC-1255, 2001;
- (30). Procedures and techniques for closure of near surface disposal facilities for radioactive waste, IAEA-TECDOC-1260, 2001;
- (31). Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards (Interim Edition). Safety Standards Series No. GSR Part 3 (Interim), 2011;
- (32). Safety assessment for the near surface disposal of radioactive waste, Safety Guide No. WS-G-1.1;
- (33). Safety considerations in the disposal of disused sealed sources in borehole facilities, IAEA-TECDOC-1368, 2003;

- (34). Scientific and technical basis for the near surface disposal of low- and intermediate-level waste, Technical reports series No.412, 2002;
- (35). Surveillance and monitoring of near surface disposal facilities for radioactive waste, Safety Reports Series No. 35, 2004;
- (36). Technical considerations in the design of surface disposal facilities for radioactive waste, IAEA-TECDOC-1256, 2001;
- (37). The Principles of Radioactive Waste Management, Safety Fundamentals. Safety Standards Series No. No. 111-F, 1995;

***BULGARIAN NATIONAL STANDARDS***

- (1). BDS 17.4.1.04-88 – General requirements to soil classification according to the impact on them by the chemical pollutants;
- (2). BDS 17.4.3.01-86 – General requirements to the methods for identification of the pollutants;
- (3). BDS EN 10080:2005 - Steel for the reinforcement of concrete - Weldable reinforcing steel – General;
- (4). BDS EN 1992-1-1, Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings;
- (5). BDS EN 206-1:2002, Concrete - Part 1: Specification, performance, production and conformity BDS EN 206-1/NA:2008 National Annexe to BDS EN 206-1:2002 BDS EN 206-1:2002 ;
- (6). BDS EN 1998-1/NA. Eurocode 8: Design of structures for earthquake resistance;

***EU DIRECTIVES***

- (1). Directive 2012/27/EU of the European Parliament and Council regarding energy efficiency, 25.10.2012 r;
- (2). Decision of the Commission from 19 November, 2008 to be established detailed guidelines for applying and use of appendix II to Directive 2004/8/EC the European Parliament and the Council (notified under number C (2008) 7294 (2008/952/EC);
- (3). Directive 2001/42/EC on the assessment of the effects of certain plans and programmes on the environment June 2001;
- (4). Directive 2011/92/EU of the European Parliament and of the Council of 13 December 2011 on the assessment of the effects of certain public and private projects on the environment (codified version);
- (5). Council Directive 92/43/EEC on the conservation of natural habitats and of wild fauna and flora;
- (6). Council Directive 79/409/EEC on the conservation of wild birds;
- (7). Council Directive 78/659/EEC of 18 July 1978 on the quality of fresh waters needing protection or improvement in order to support fish life;
- (8). Directive 2000/60/EC of the European Parliament and of the Council of 23 October 2000 for establishing a framework for the Community action in the field of water policy;

- (9). Council Directive 1999/31/EC of 26 April 1999 on the landfill of waste 91/689/EEC (supplemented by 94/31/EEC) controlled hazardous waste management;
- (10). Council Directive 2006/117/Euratom of 20 November 2006 on the supervision and control of shipments of radioactive waste and spent fuel Directive 1999/13/EC; on the limitation of emissions of volatile organic compounds;
- (11). Council Directive 2011/70/Euratom of 19 July 2011 establishing a Community framework for the responsible and safe management of spent fuel and radioactive waste;
- (12). Commission Recommendation of 11 October 2010 on the application of Art.37 of the Euratom treaty (2010/635/Euratom);
- (13). Directive 2004/8/EC of the European Parliament and Council (notified under number C(2008) 7294) (2008/952/EC);

### *CONVENTIONS*

- (1). Convention on Assistance in the Case of a Nuclear Accident or Radiological Emergency (ratified February 1988);
- (2). Convention on Early Notification of a Nuclear Accident (ratified February 1988);
- (3). Convention on Nuclear Safety (ratified November 1995);
- (4). Convention on the Physical Protection of Nuclear Material (ratified April 1984 – amendment ratified March 2006);
- (5). Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management (ratified June 2000);
- (6). European landscape convention 20.04.2000, ratified by law, accepted by the 39<sup>th</sup> NA, SG issue 94/22.10.2004;
- (7). Joint Convention on the Safety of Spent Fuel Management and Safety of Radioactive Waste Management, ratified by law by the 38th National Assembly on 10.05.2000, SG issue 42/23.05.2000;
- (8). Energy Strategy of the Republic of Bulgaria until 2020, June 2011, accepted by Decision of the National Assembly of 1<sup>st</sup> June 2011;
- (9). Convention on Biological Diversity, 1993;
- (10). Convention on access to information, public participation in decision-making and access to justice in environmental matters (ratified by Law, accepted by the XXXIX National Assembly on 02.10.2003, SG issue 91/2003 in effect from 16.06.2004, published in SG issue 33/23.04.2004)
- (11). Convention on conservation of European wild flora and fauna and natural habitats, ratified by the Grand National Assembly with Decision accepted on 25.01.1991 – SG issue 13/1991 in effect for the Republic of Bulgaria from 01.05.1991;
- (12). Convention on Environmental Impact Assessment in a Transboundary Context Espoo (Finland), 25 February 1991, ratified by law, approved by the 37<sup>th</sup> National Assembly on 16.03.1995. SG issue 28/1995 prepared by Ministry of Environment and Water, published in SG issue 85/01.10.1999 in effect from 10.09.1997 and amendment in issue 89/12.10.1999.

## *ACTS*

- (1). Act on the safe use of nuclear energy prom. SG. 63/28.06.2002, last amendment 68/02.08.2013;
- (2). Biodiversity Act, prom SG No 77/2002 last amendment No 66/26.07.2013;
- (3). Protected Areas Act, prom. SG No 133/1998, last amendment No 26/07/2013;
- (4). Soil Act, prom SG. No 89/6 November 2007, amend. SG. No 80/9 October 2009, amend. SG No 98/14 December 2010, amend. SG No 92/22 November 2011, amend. SG No 66/26 July 2013;
- (5). Land Conservation Act, prom. SG No 35/1996, last amendment in No 66/26 July 2013;
- (6). Regulation on implementation of the Land Conservation Act, prom. SG No 84/1996, last amend. 20.05.2011;
- (7). Ownership and Use of Agricultural Land Act, prom. SG No 17/1 March 1991, last amend. SG No 16/19 February 2013;
- (8). Law of protection from the harmful impact of the chemical substances and mixtures (LPHICSM), prom. SG No 10/04.02.2000 in effect from 05.02.2002, last amend. No 1/03.01.2014;
- (9). Health Act, prom. SG No 70/2004, last amend. No 1/03.01.2014;
- (10). Law on health and safety at work, prom. SG No 124/1997., last amend. No 27/25.03.2014;
- (11). Disaster Protection Act, prom. SG. No 102/19 December 2006, last amend. and suppl. SG. No 53 /27 June 2014;
- (12). Law on Spatial Planning, Prom. SG. No 1/2 January 2001, amend. and suppl. SG. No 53/27 June 2014;
- (13). Cultural Heritage Act, Prom. SG. No 19/13 March 2009, last amend. SG No 45/15 June 2012;
- (14). Act on the prevention of Harmful Effects of Waste on the Environment SG No 86/1997, No 56/1999, No 27 & 28/2000., SG No 86/2003;
- (15). Water Act, prom. SG No 67/27.07.99, last amend. and suppl. No 49/13 June 2014;
- (16). Medical Plants Act (Prom. SG No 29/ 07.04.2000, last amend. SG No 66/2013);
- (17). Environmental Protection Act, prom. SG No 91/25.09.2002, amend. No 98/18.10.2002, last amendment No 22/11.03.2014;
- (18). Act on the limitation of climate change in effect from 11.03.2014, Prom. SG. 22 /11 March 2014; Waste Management Act, Prom. SG. No 86/30 September 2003, last amend. SG No 26/30 March 2012;
- (19). Waste Management Act (WMA) (Prom. SG No 53/13.07.2012 2013, in effect from 13.07.2012, amend., No 66 /26.07.2013, in effect from 26.07.2013; amend. Decision № 11 /10.07.2014 of the Constitutional Court of the Republic of Bulgaria - No 61 /25.07.2014.);
- (20). Protection from Environmental Noise Act, prom. SG No 74/13.09.2005, in effect from 1.01.2006, last amend. No 66 /26.07.2013;

- (21). Clean Ambient Air Act, prom. SG No 45/28.05.1996, amend. No 49/7.06.1996, amend. No 85/26.09.1997, amend. and suppl. No 27/31.03.2000, No 102/27.11.2001, amend. No 91/25.09.2002, last amend. SG No 102/21.12.2012;

#### ***ORDINANCES***

- (1). Ordinances No O-4 /14.09.2012 on surface characterization prom., SG, No 22 /05.03.2013, in effect from 05.03.2013;
- (2). Ordinance № 1/27.06.2005 on standards for admissible emissions of harmful substances (pollutants) emitted in the atmosphere by facilities and activities with static sources of emissions, prom., SG No 64 /05.08.2005, in effect from 6.08.2006;
- (3). Ordinance № 1/07.07.2000 on research, use and protection of groundwater, prom. SG No 57/14.07.2000, amend. No 64/4.08.2000, last amend. No 28/19.03.2013;
- (4). Ordinance № 1/11.04.2011 on water monitoring, last amend. No 44/17.05.2013;
- (5). Ordinance № 11/14 May 2007 on standards for arsenic, cadmium, nickel and polycyclic aromatic hydrocarbons in ambient air, prom. SG No 42 /29 May 2007;
- (6). Ordinance № 12/15.07.2010 on standards for sulfur dioxide, nitrogen dioxide, particulate matter, lead, benzene, carbon monoxide and ozone in ambient air, prom. SG No 58/30.07.2010;
- (7). Ordinance № 12/18.06.2002 r. on requirements to surface water quality for water supply, prom. SG, No 63/ 28.06.2002, last amend. No 15/21.02.2012 in effect from 21.02.2012;
- (8). Ordinance № 14/23.09.97 on standards for admissible concentrations of harmful substances in the ambient air of the settlements, prom. SG No 88/3.10.1997, last amend. No 42 /01.01.2008;
- (9). Ordinance № 26/02.10.1996 on reclamation of disturbed areas, improvement of low productive lands, removal and utilization of the humus layer (prom. SG No 89 /22.10.1996, amend. and suppl. – No 30/2002);
- (10). Ordinance № 3/1 August 2008 on standards for admissible content of harmful substances in soil, issued by the Ministry of Environment and Water, Ministry of Health, Ministry of Agriculture and Food, prom. SG No 71/12 August 2008;
- (11). Ordinance №4 on the scope and contents of the investment proposals, SG No 51/2011;
- (12). Ordinance № 4 /12 January 2009 on soil monitoring (prom. SG No 19/13 March 2009);
- (13). Ordinance № 54/13.12.2010 on the activity of the national system for monitoring of environmental noise and requirements for implementation of self-monitoring and provision of information by industrial sources of environmental noise, prom. SG No 3/11.01.2011, in effect from 12.02.2011;
- (14). Ordinance № 6 on emission standards for admissible contents of harmful and hazardous substances in waste water discharged into the water bodies, prom. SG No 97/28.11.2000, last amend. SG No 24/23-03-2004.
- (15). Ordinance № 6 /26/06/2006 on the indicators for environmental noise, measuring the level of discomfort during the different parts of the day, the limit values of the indicators for environmental noise, the methods for assessment of the limit values

of the indicators for noise and the harmful effects of the noise on the health of the population (MH, MoEW, SG No 58/2006);

- (16). Ordinance № 6 on terms and requirements and operation of landfills and other facilities and installations for recovery and disposal of waste (it is issued by the minister of environment and water prom., SG No 80/ 13.09.2013 in effect from 13.09.2013);
- (17). Ordinance № 6/26.03.1999 on the regulation and procedures for measurement of harmful substances emitted in the ambient air by facilities with static sources prom. SG No 31/6.04.1999, last amend. SG No 102/ 21.12.2012.
- (18). Ordinance № 7 on the requirements that the sites must meet for location of the waste treatment facilities ( it is issued by the minister of environment and water, minister of regional development and public works, minister of agriculture and forestry and minister of health, prom., SG No 81 /17.09.2004);
- (19). Ordinance № 7 /08.06.1998 on the systems for physical protection of buildings SG No 70 /19.06.1998;
- (20). Ordinance № 7/14.11.2000 on terms and procedure for discharge of industrial waste water in the sewerage networks of the settlements prom. SG No 98/01.12.2000;
- (21). Ordinance № 7/ 22 December 2003 rules and regulations for different types of spatial and territorial development zones, it is issued by the MRDPW in effect from 13.01.2004. Prom. SG No 3 /13 January 2004, amend. SG. No 10 /28 January 2005 amend. SG No 11 /1 February 2005, amend. SG No 51/ 21 June 2005, amend. SG No 63 / 2 August 2005, amend. SG No 41 /22 April 2008, amend. SG No 76 /5 October 2012, amend. SG No 21 /1 March 2013;
- (22). Ordinance № 7/03.05.1999 on ambient air assessment and quality management, prom. SG No 45/14.05.1999 in effect from 1.01.2000;
- (23). Ordinance № 9/ 16.03.2001 on water quality for drinking water purposes, prom. SG No 30 /28.03.2001, last amend. SG No 15 / 01.02.2012.
- (24). Ordinance № 10 / 24.02.2004 on the terms and conditions for the approval of internal combustion engines for off-road machinery with respect to emissions of pollutants (it is issued by the Minister of Agriculture and Forestry, prom., SG No 28/06.04.2004 in effect from 06.04.2004), last amend SG No 3 /10.01.2014;
- (25). Ordinance № RD-02-20-2/27.01.2012 on design of buildings and structures in seismic areas;
- (26). Ordinance № 1 /04 June 2014 on the procedures and templates for provision of information for waste as well as procedures for keeping public registers (prom., SG No 51 /20.06.2014);
- (27). Ordinance № 2 /23.07.2014 on classification of waste (it is issued by the minister of environment and water and minister of health, prom., SG No 66 /08.08.2014);
- (28). Ordinance № 4 on the terms and requirements for construction and operation of incineration waste plants and waste co-incineration plants (prom. SG No 36 /2013);
- (29). Ordinance №2 on protection from accidents during activities involving hazardous chemicals, SG No 100/1990;

- (30). Ordinance №2 /08.06.2011 on the issue of permits for discharge of wastewater in water bodies and setting individual emission limits for point source pollution prom. SG No 14/17.02.2012, last amend., suppl., No 44 /17.05.2013;
- (31). Ordinance №3 on the terms and conditions for research, design, approval and operation of the sanitary protective zones around water sources and facilities for drinking and house-hold purposes and around mineral water sources, used for medical, prophylactics, drinking and hygiene purposes, SG No 88 /27.10.2000;
- (32). Ordinance on batteries and accumulators and spent batteries and accumulators (accepted by Council of Ministers Decree № 351/ 27.12.2012, prom. SG No 2 /08.01.2013);
- (33). Ordinance on safety during radioactive waste management SG No 72 /17.08.2004, last amend. SG No 68 /2 August 2013;
- (34). Ordinance on the type, amount and procedure for imposition of sanctions for environmental damage or pollution in excess of the permissible levels and/or in case of non-compliance with established emission standards and emission limit values (prom., SG No 70 /09.09.2011);
- (35). Ordinance on the requirements for the quality of oil fuel, terms, procedure and manner of their control, accepted by CMD № 156 /15.07.2003, prom., SG No 66 /25.07.2003 in effect from 01.10.2003, last amend. and suppl., No 36 /10.05.2011, in effect from 10.05.2011;
- (36). Ordinance on the requirements for treatment of discarded tires (accepted by CMD № 221 /14.09.2012, prom. SG No 73 /25.09.2012);
- (37). Ordinance on the discarded electrical and electronic equipment (accepted by CMD № 256 /13.11.2013, prom. SG No 100 /19.11.2013 in effect from 01.01.2014);
- (38). Ordinance on provision of physical protection of nuclear facilities, nuclear material and radioactive substances SG No 77/03.09.2004, last amend. SG No 44/09.05.2008;
- (39). Ordinance on packaging and packaging waste (prom., SG No 85/06.11.2012, amend. and suppl., No 76/30.08.2013);
- (40). Ordinance on ensuring safety of the nuclear power plants SG № 66/30-07-04 last amendment in SG No 5/19.01.2010;
- (41). Ordinance on basic standards for radiation protection, prom. SG No 76/05.11.2012;
- (42). Ordinance on the spent waste oil and petroleum products (accepted by c CMD № 352 /27.12.2012, prom. SG No 2 /08.01.2013);
- (43). Ordinance on prevention of major accidents involving dangerous substances and limit their consequences, prom. SG No 39/ 12 May 2006, last amend. SG No 25 / 30 March 2010;
- (44). Ordinance on radiation protection during activities with sources of ionising radiation, prom. SG No 74/24.08.2004 last amend. and suppl. No 76 /08.10.2012;
- (45). Ordinance on the separate collection of bio waste, accepted by CMD № 275 /06.12.2013 (prom. SG No 107 /13.12.2013);
- (46). Ordinance on the procedure and issuance of licenses and permits for safe use of nuclear energy, prom. SG No 41/18.05.2004, last amend. SG No 78/30.09.2005;



- (47). Ordinance on the procedure and method for calculating the financial guarantee or equivalent insurance and provision of annual declarations related to transboundary movements of waste (accepted by CMD № 195 /10.07.2014, prom., SG No 59 /18.07.2014);
- (48). Ordinance on procedure and manner for limiting the manufacture, use or placing on the market of certain dangerous substances, mixtures and articles from Annex XVII of the REACH Regulation, accepted by CMD № 376/30.12.2011, prom. SG No 1 / 3 January 2012;
- (49). Ordinance on the manner of utilization of sludge from wastewater treatment through its use in agriculture (accepted by CMD № 339 /14.12.2004, prom., SG No 112 / 23.12.2004).
- (50). Ordinance on the procedure and manner for classification of hazardous substances and mixtures, accepted by CMD № 152/30.05.2011, prom. SG No 43 /7 June 2011.
- (51). Ordinance on procedure and manner of classification, packaging, and labelling of substances and mixtures SG No 68 / 31 August 2010, in effect from 31.08.2010. It will be applied until 31.05.2015.
- (52). Ordinance on the environmental quality for priority substances and certain other pollutants prom. SG No 88 /09.11.2010;
- (53). Ordinance on bio waste treatment, accepted by CMD № 235/ 15.10.2013 (Prom. SG No 92 / 22.10.2013);
- (54). Ordinance on construction waste management and inclusion of recycled construction materials, accepted by CMD No 277/05.11.2012 (Prom., SG No 89 /13.11.2012 in effect from 13.11.2012)
- (55). Ordinance on terms and conditions for implementation of compatibility assessment of plans, programmes, projects and investment proposals with the subject and objectives for conservation of protected areas, prom. SG No 73 /11.09.2007 in effect from 11.09.2007, last amend. No 94 / 30 November 2012;
- (56). Ordinance on the terms and procedure for implementation of environmental impact assessment, prom. SG No 25/18.03.2003, last amend. No 94 / 30 November 2012;
- (57). Ordinance on the terms and procedure for transportation of radioactive substances, prom. SG No 60 /22.07.2005, last amend. SG No 13/14.02.2014;
- (58). Ordinance on the terms and procedure for establishment of special statute areas around nuclear facilities and sites with sources of ionizing radiation, prom. SG. No 69/06.08.2004 last amendment No 5 /19.01.2010;
- (59). Danube River Basin Management Plan in the republic of Bulgaria (DRBMP)
- (60). CMD № 53/1999 and Ordinance on the requirements for industrial and hazardous waste treatment and transportation /SG No 29/1999/;
- (61). CMD № 61/2003 Ordinance on national environmental management plan / SG No 26/2003/.

#### ***REGULATIONS***

- (1). CMD № 18/23.01.1998 and Regulation on the organisation and procedure related to prevention and elimination of effects from disasters, accidents and catastrophes SG No 13/1998/;

- (2). CMD № 319/2002. Regulation on the structure and operation of Enterprise for management of environmental protection activities (EMEPA) /SG No 3/2003.

## REFERENCES

- [1] Construction of the Saturated zone (Aquifers) Monitoring System, 2013, a report of a consortium from National Nuclear Laboratory, UK and British Geological Survey under a contract with SE RAW for execution of preoperational hydrological monitoring of “Radiana” site;
- [2] Construction of Vadose Zone Monitoring Systems, 2013, a report of a consortium from National Nuclear Laboratory, UK and British Geological Survey under a contract with SE RAW for execution of preoperational hydrological monitoring of “Radiana” site;
- [3] Design of the Overall Monitoring System Including Vadose Zone and Saturated Zone (Aquifer) Monitoring, 2013, a report of a consortium from National Nuclear Laboratory, UK and British Geological Survey under a contract with SE RAW for execution of preoperational hydrological monitoring of “Radiana” site;
- [4] Detailed Programme for Realization of the Hydrogeological Monitoring and Geochemical Analysis, 2013, a report of a consortium from National Nuclear Laboratory, UK and British Geological Survey under a contract with SE RAW for execution of preoperational hydrological monitoring of “Radiana” site;
- [5] Preliminary Hydrogeological model for the Radiana Site, 2013, a report of a consortium from National Nuclear Laboratory, UK and British Geological Survey under a contract with SE RAW for execution of preoperational hydrological monitoring of “Radiana” site;
- [6] EQEB-11207-TD-OEC-R01 ;
- [7] EQEL-11207-CD-GTC-R01(1)\_BG (2013-11-01) Conceptual Design Alternative 1: Part Geotechnics and geomechanics. Geomechanical and geotechnical conditions and ground base;
- [8] EUROPEAN NUCLEAR ENERGY FORUM, WORKING GROUP “RISKS”, SUB WORKING GROUP “WASTE MANAGEMENT”, Roadmap to Successful Implementation of Geological Disposal in the EU, (2009);
- [9] European Topic Centre on Air and Climate Change, Long description of model 'TRAFFIC ORACLE' (<http://pandora.meng.auth.gr/mds/showlong.php?id=158>);
- [10] Evstatiev D. & B. Vachev. 1993. Site Selection Procedure for High Level Radioactive Wastes Disposal in Bulgaria. IAEA Experts Meeting under IAEA Regional Project for Technical Assistance PEP/9/010. Recommendation on management of radioactive waste from VVER, Sofia, February 22-26;
- [11] Evstatiev, D., B. Vachev, R. Angelova, D. Karastanev. 1998. System analysis for low- and intermediate-level level radioactive waste repository. – In: Review of the Bulgarian Geological Society, 59, part 1, 83-91;
- [12] Evstatiev, D., R. Angelova. 1997. Preliminary options for radioactive waste disposal in Bulgaria. - In: Proc. of the International Symposium on Engineering Geology and the Environment, Greek national group of AEG, Athens, Greece, June 23-27, 1823-1828;
- [13] <http://www.epa.gov/ttn/chief/ap42/ch11/final/c11s00.pdf>;

- [14] Multiattribute evaluation and recommendations to SERAW, (evaluation and recommendations to SE RAW) to SERAW, prepared by Consortium Westinghouse Electric Spain, DBE Technology and ENRESA; 2012;
- [15] NN Commercial, 2013. Deliverable D 12: Construction of the saturated Zone (Aquifers) Monitoring Systems;
- [16] NN Commercial, 2013. Deliverable D 4: Design of the Overall Monitoring System Including Vadose Zone and Saturated zone (Aquifer) Monitoring;
- [17] NN Commercial, 2013. Deliverable D 6: Construction of Vadose Zone Monitoring Systems ;
- [18] Notification to an affected party of a proposed activity under article 3 of the Convention on Environmental Impact Assessment in transboundary context about Investment Proposal for Implementation of National Disposal Facility for Low and Intermediate Level Radioactive Waste, SERAW, 2009 sent to MoEW by a letter of SE RAW Ref. № GU-OK-269/24.07.2009;
- [19] OECD NUCLEAR ENERGY AGENCY, Moving Forward with Geologic Disposal of Radioactive Waste, A Collective Statement by the NEA Radioactive Waste Management Committee, NEA No. 6433, OECD, Paris (2008);
- [20] Slope International Ltd. Calgary, Alberta Canada. Software product SLOPE W;
- [21] Vachev B. 2001. Radioactive waste disposal site selection, In: Proc. of 6 Int.Symp. on Analytic Hierarchy Process, ISAHP 2001, Berne, Switzerland, August 2-4, 491-500;
- [22] Vachev, B., D. Evstatiev. 1994. Radioactive Wastes Management - AHP Application, In: Proc. 3rd Int.Symp. on AHP, Washington, DC USA, RWS, 585-596;
- [23] Westinghouse electric Spain, DBE Technology GMBH, Enresa and EQE. All rights reserved. Project Signature eqeb-11207-td-gen-r01(2)\_bg /pages 55/60;
- [24] Westinghouse, DBEtec, Enresa, EQE Bulgaria AD, 2013. Engineering design;
- [25] Road Infrastructure Agency, letter 53-00-9813/ 20.08.2014;
- [26] Nuclear Regulatory Agency, 2014. National Action Plan after “Stress tests” of Kozloduy NPP;
- [27] Kozloduy NPP EAD. Results of the environmental radiation monitoring of Kozloduy NPP in 2009, 2010, 2011, 2012 & 2013;
- [28] AISRM, 2013;
- [29] Updated National Demographic Strategy of the Republic of Bulgaria (2012-2030);
- [30] Updated strategy for decommissioning of blocks 1-4 of Kozloduy NPP 2006;
- [31] Update of the radionuclide inventory of NDF (Task 3) Final Statement, BG 2004/016-815.01.05, December 2007 – July 2008, WorleyParsons TVO Nuclear services; TVO Risk Engineering LTD;
- [32] Analysis of powerful convective storms related to the development of tornadoes in Bulgaria from 2006 – 2009, Petyo Simeonov, Iliyan Gospodinov, Liliya Bocheva, Rangel Petrov;
- [33] Atanasov, Iv., H. Chuldzhiyan, P. Bozhinova, K. Tsvetanova, P. Hristova. 1994. System for evaluation of the type and level of pollution of the farmlands with heavy

metals, radionuclides, petrol products and soil salinity for the purposes of the land reform in the polluted lands in connection with the execution of Council of Ministers Decree № 50/10.03.1993;

- [34] DRBD, 2010. Danube River Basin Management Plan 2010-2015;
- [35] DRBD, 2014. Register of the groundwater permits issued;
- [36] DRBD, 2014. State of the groundwater within the territory of Danube River Basin Directorate in 2013;
- [37] DRBD, Letter № 2915/05.06.2014 to SE RAW regarding: Consultations on updated Terms of Reference for determination of the scope and contents of Report on Environmental Impact Assessment (REIA) of the investment proposal (IP) for construction of National repository for burial of low- and intermediate-level radioactive waste 2A category (NDF);
- [38] Broshilova, M. 2001 Soil pollution and impact on ecosystems, (TEMPUS JET);
- [39] Bulletin № 27 of the MAF 1994, Instruction on determination of the type and level of pollution of the farmlands by territories and restrictions for their use;
- [40] Geoconsult OOD, 2014 Research on the location of a landfill for surplus soil and temporary landfills for humus and loess ;
- [41] Geophysical studies on the site located in the slope, south of Kozloduy NPP; St. Ivan Rilski University of Mining and Geology , 2007;
- [42] Gerginov, P., 2014. Hydrodynamic map in the area of Kozloduy NPP and “Radiana”site;
- [43] Annual reports on the results from own environmental non-radiation monitoring in the area of Kozloduy NPP EAD in 2009, 2010, 2011, 2012 & 2013;
- [44] Institute of Geophysics – BAS, 2009. Final statement under a contract: Seismic zoning of the Republic of Bulgaria in compliance with the requirements of Eurocode 8 and preparation of maps for seismic zoning taking into account the seismic hazard within the territory of the state;
- [45] Galabov, M., N. Stoyanov, 2008. Forecasting on the possible diffusion of radionuclides from NDF in the soil and groundwater under “Radiana” site;
- [46] Report on execution of Phase 4 Confirmation of the site for NDF, SE RAW. 2011
- [47] Report on preparation of geological and hydrological profiles from the highland through the “Radiana”site to Danube River, a report prepared by Prof. DrGSc Yordan Evlogiev under a contract with SE RAW, December 2012;
- [48] Report on preparation of a hydrogeological map of the area of the national repository of the “Radiana”site, 2014;
- [49] Report on the conception for burial of radioactive waste, SE RAW, 2010;
- [50] REIA of Kozloduy NPP 1999;
- [51] Report on Environmental Impact Assessment of Kozloduy NPP, Sofia, 10<sup>th</sup> March, 2001;
- [52] Report on EIA of a repository for dry cask storage of the spent nuclear fuel in Kozloduy NPP, 2005;

- [53] Report on Environmental Impact Assessment (REIA) on construction of National repository for burial of short-lived low- and intermediate-level radioactive waste – NDF. CONTRACTING AUTHORITY – SE RAW, 2010;
- [54] REIA on construction of National repository for burial of short-lived low- and intermediate-level radioactive waste – NDF, 2011, Revision 2;
- [55] Report on Environmental Impact Assessment of the investment proposal of SE RAW for construction of National repository for burial of short-lived low- and intermediate-level radioactive waste – NDF. Contractor: Ecoenergoproject OOD, team leader eng. Stela Ivanova. 2010. Revision 1
- [56] Report on Environmental Impact Assessment (REIA) of the investment proposal “Building a New Nuclear Unit of the Latest Generation at the Kozloduy NPP Site “, Kozloduy NPP – New Build EAD, Consortium Dicon-Acciona Eng., 2013;
- [57] Report on Environmental Impact Assessment (REIA) of a Facility for Treatment and Conditioning of solid radioactive waste with high volume reduction factor at Kozloduy NPP, 2013;
- [58] Report on Environmental Impact Assessment (REIA) for decommissioning of 1-4 Units of Kozloduy NPP;
- [59] Report on review and selection of potential sites NDF; Appendix to the Summary Report; Preparation of a conception for burial of RAW and for review and selection of potential sites of NDF; 2004; GI, GPI – BAS;
- [60] Report on realization of phase “Preparation of a conception and planning for selection of a site”, SE RAW, 2010;
- [61] Report on realization of phase 2 Data Collection and analysing of regions, SE RAW, 2007;
- [62] Report on realization of phase 3 “Characterizing sites for NDF”, SE RAW, 2011;
- [63] Report on the results of geological, geophysical, geological engineering, hydrogeological and hydrological laboratory studies held, MGU – Engineering, 2009;
- [64] Report on the results of geological, geophysical, engineering and geological, hydrogeological and hydrological laboratory studies held,2010; Geotechnica ABV;
- [65] Report of the Chairman of the Committee on selection of site for construction of Central repository for burial of radioactive waste processed from NPP, 1979, 55 pages;
- [66] Reports on Local meteorological conditions within the area of Kozloduy NPP from 2009 to 2013;
- [67] Report regarding the opportunities for applying measures for protection of population in case of severe radiation accident, SE RAW, 2013, the report is part of the documentation accompanying the Application for approval of the site selected;
- [68] Donovan, V. 1993. Forestry Soil Science. Publishing House: Martilen. Page 222;
- [69] SE RAW, 2013. Preliminary safety assessment of the national repository for low- and intermediate-level radioactive waste;
- [70] SE RAW, 2014, Preliminary safety assessment of the NDF;

- [71] SE RAW, Programme for conduction of factory tests of reinforced concrete container (RCC) for transportation and storage of radioactive waste processed, 2013;
- [72] European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), SG No 73/18 August 1995;
- [73] Evstatiev, D., Iv. Vaptsarov, Y. Evlogiev, Y. Simeonov, R. Angelouva, P. Sokolova, V. Spasov, 1992. Opportunities for construction of repository for low- and intermediate-level radioactive waste in loess soil;
- [74] Evstatiev, D., D. Karastanev, R. Angelouva. 1993. A Report on the selection of terrains for research and construction of a repository for low- and intermediate-level radioactive RAW. A Conception of BAS for a national repository for radioactive waste. Bulgarian Academy of Science;
- [75] Evstatiev, D., D. Kozhouharov, D. Karastanev, Kr. Todorov, R. Angelouva and etc. 1999. Researches and studies to reduce the number of the sites suitable for construction of a repository for low- and intermediate-level radioactive waste from NPP. – a Report under a contract between Committee for Peaceful Use of Atomic Energy and GI- BAS;
- [76] Evstatiev, D. and colleagues. 2003. Assessment on the geological conditions for long-term storage of RAW on the territory and around Kozloduy NPP. A complex analysis and feasibility study on the opportunity for long-term storage of conditioning RAW at and near the area of Kozloduy NPP. A report under a contract between GI-BAS and Kozloduy NPP EAD;
- [77] Evstatiev, D., Y. Evlogiev, 2011. A Report on execution of the task: A forecast for the danger of flood and erosion caused by Danube River on “Radiana” site related to the repository for a NDF”;
- [78] Evstatiev, D., 2014. Updated information about the development of the procedure for selection of a site for burial of short-lived low- and intermediate-level radioactive waste (NDF) from NPP in Bulgaria – Appendix 1 to “A Report regarding: suggestions and recommendations in connection with the update of REIA for “Radiana” NDF from 2011;
- [79] Evlogiev, Y., V. Petrova, M. Nedelcheva, R. Tachkov, L. Ivanova, E. Evlogiev, 2012. A Report “Lithostratigraphic boreholes on the longitudinal axis of the repository modules of the NDF on “Radiana” site to determine the elevation of occurrence of Pliocene sediments”;
- [80] Zagorchev, Iv., H. Dabovski, T. Nikolov (editor), 2009. Geology of Bulgaria. Volume II. Mesozoic geology, edition, BAS, 13-37;
- [81] Y. Evlogiev, 2006. Pliocene and Holocene in the Danube Plain, a doctoral dissertation;
- [82] Conceptual design of a NDF in two versions, prepared by Consortium Westinghouse Electric Spain, DBE Technology and ENRESA; 2012;
- [83] Conceptual design on displacement of a section of irrigation channel passing through “Radiana” site; 2013;
- [84] Conceptual design of a National repository for burial of low- and intermediate-level RAW, Report on task 4.1. from PHARE Project № EUROPEAID/122568/D/SV/BG, 2008;

- [85] Execution of geological engineering, hydrogeological and geophysical studies of sites envisaged for emplacement of NDF, GI-BAS, 2007;
- [86] Geological engineering and hydrogeological field and laboratory tests in the flatland of the “Radiana” site, MGU Engineering, 2011
- [87] Instruction on examination of the deformations on buildings and facilities by geotechnical methods;
- [88] Yolevski, M., A. Hadzhiyanakiev, Y. Georgieva, I. Kabakchiev, 1980. A Map of agroecological zones of Bulgaria;
- [89] Yolevski, M., Hadziyanakiev, Iv. Kabakchiev. 1982: Agro-Production of Soil. Geography of Bulgaria, Publishing House of the BAS;
- [90] Yotov, Il., 2011. A statement under task: Evaluation on the change of level of groundwater at the “Radiana” site at maximum increase of the level of Danube River;
- [91] I. Stephanova, Burial of low- and intermediate-level radioactive waste, Sofia, publ. Termit 97 EOOD, 2003;
- [92] I. Stephanova, Burial of high level radioactive waste, Sofia, publ. Termit 97 EOOD, 2004;
- [93] Ira Stephanova, Burial of low- and intermediate-level radioactive waste, 2014;
- [94] Kabakchiev, Iv., (1982): Azonal soils. Geography of Bulgaria, Publishing House of BAS Yolevski;
- [95] Kabakchiev, IV. (1982): Quality rating of farm lands by agro-production groups. Geography of Bulgaria, Publishing House of BAS;
- [96] Kabakchiev, IV. (1982): Quality rating of farm lands by afro-production groups. Geography of Bulgaria, Publishing House of BAS;
- [97] Karastanev, D., Y. Evlogiev, K. Todorov and etc., 2007. Characterizing site No 4 – a report GI – BAS;
- [98] Karastanev, D., D. Evstatiev, B. Monov, St. Dimovski, 2007. Execution of geological engineering, hydrogeological and geophysical studies – Summary report – GI-BAS;
- [99] Karastanev and etc., 2008. Preliminary geological engineering studies on “Radiana” site – Geohydroconsult OOD;
- [100] Kozhuharov, D., E. Vasilev, Iv. Dimitrov, L. Martinova, S. Savov, 2000. Studies on possible areas for construction of a national repository for radioactive waste. “Sakar” Area and “Harmanliiski block” Area;
- [101] Complex analysis and feasibility study on the opportunity for long-term storage of conditioning RAW on and near the area of Kozloduy NPP. GI-BAS, 2003;
- [102] Complex analysis on the regional geophysical fields and seismic risk assessment of the future sites for emplacement of a NDF, GFI BAS, 2007;
- [103] Conception of BAS for a national repository for radioactive waste. Bulgarian Academy of Science, 1993, BAS;
- [104] Koynov, V., Iv. Kabakchiev and K. Boneva. 1998. Soil Atlas of Bulgaria. Zemizdat. Sofia;



- [105] Koynov, B. and colleagues, 1974. Soil-geographic zoning. Sofia;
- [106] Koynov and colleagues, 1968. Soil map of Bulgaria;
- [107] Lithostratigraphic boreholes on the longitudinal axis of the repository modules of the NDF on the “Radiana” site to determine the elevation of occurrence of Pliocene sediments, a report prepared by GI-BAS under a contract with SE RAW, November 2012;
- [108] M., A. Hadzhiyanakiev, Iv. Kabakchiev. 1982, Agro-production grouping of soil. Geography of Bulgaria, Publishing House of BAS;
- [109] Interim safety assessment prepared by Consortium Westinghouse Electric Spain, DBE Technology and ENRESA; 2014, Revision 2;
- [110] MGU Engineering EOOD, 2008. Progress statement on the results from geological, geophysical, geological engineering, hydrogeological and hydrological studies held for project: “Confirmation of the site for a NDF”;
- [111] MGU Engineering EOOD, GI-BAS, 2009. Progress statement on the results from held geological, geophysical, geological engineering, hydrogeological and hydrological and laboratory studies for project: “Confirmation of the site for a NDF”;
- [112] St. Ivan Rilski MGU, 2007. Report under task: Analysis on the conditions for near-surface burial of RAW;
- [113] MH, MRDPW, MoEW, Ordinance No 9/16.03.2001 regarding water quality for drinking domestic water purposes (promulgated at SG No7/21)
- [114] MoeW, MRDPW, MH, MoE. Ordinance No1/10.10.2007 on research, use and protection of groundwater (promulgated in SG No 87/2007., last amendment and supplement in SG No28/2013);
- [115] MoeW. Order No RD -930/25.10.2010 on identification of water that is polluted or threatened by pollution caused by nitrates from agricultural sources and vulnerable areas where water is polluted by nitrates from agricultural sources;
- [116] Monov, B., 1993. Future areas for studies in connection with construction of a near-surface repository for low- and intermediate-level waste in lower Cretaceous marl in northwest Bulgaria. Geotechnics Laboratory – BAS;
- [117] Data collected/requested on purpose during the consultations;
- [118] National Oncological Hospital. Cancer morbidity in Bulgaria, 2011. Volume XXII. 2013. Paradigma Publishing House cc. 164;
- [119] Independent expert evaluation on the contents and techogenic radionuclides in the bodies of 150 children who live in the area of Kozloduy NPP, Contractual task Kozloduy NPP and NCRPP, 2003;
- [120] Nikolova N., To be assessed the meteorological conditions in the area of Kozloduy NPP in connection with the project for construction of a nuclear plant, Institute of Hydrology and Meteorology, volume XIX, 1972;
- [121] Ninov, N. (1982): Soil-geographic areas, pages 399-400. Geography of Bulgaria, BAS Publishing House;
- [122] Ninov, N. (1982): Soil-geographic areas, pages 399-400. Geography of Bulgaria, BAS Publishing House;

- [123] NSI  
<http://www.nsi.bg/nrnm/index.php?ezik=bul&f=9&search=%D5%FA%F0%EB%E5%F6>
- [124] NSI, Areas, districts and municipalities in the Republic of Bulgaria 2012. Sofia, 2014  
[http://www.nsi.bg/bg/insi\\_publications.xml](http://www.nsi.bg/bg/insi_publications.xml)
- [125] NSI. National Register of Populated Places.  
<http://www.nsi.bg/nrnm/index.php?f=9&ezik=bul>
- [126] NSI. Statistical Yearbook 2013;
- [127] National Centre for Public Health and Analyses (NCPHA) Morbidity of malignant neoplasms. Unpublished data;
- [128] NCCRP “Radio-biological effects from professional exposure to nuclear energy” 2013;
- [129] NCCRP “Radio-biological monitoring on the live-work environment”, 2013;
- [130] Long-term municipal programme for encouragement of the use of renewable energy resources and biofuel in Kozloduy Municipality 2013-2023;
- [131] Municipal development plan of Kozloduy Municipality 2014-2020;
- [132] Experimental and methodical tests to verify the methods and methodologies, research and proving the acceptability of the sites for construction of a repository for low- and intermediate-level radioactive waste RAW, GI-BAS, 2007;
- [133] STATEMENT UNDER CONTRACT № 226000016/15.10.2012 BETWEEN KOZLODUY NPP EAD AND NCCRP. “Independent expert evaluation on the contents and techogenic radionuclides in the bodies of 180 children who live within 30 km surveillance zone of Kozloduy NPP EAD 2013;
- [134] Evaluation on the change of level of groundwater at the “Radiana” site at maximum increase of the level of Danube River”, a report prepared by prof. Iliya Yotov under contract with SE RAW, May 2011;
- [135] Penkov, M. 1988. Soil Science, Zemizdat, S.; Penkov, M. 1995. Evaluation of the farm lands in Bulgaria – Higher Institute of Architecture, Civil Engineering (HIACE);
- [136] Penkov, M. 1995. Evaluation of the farm lands in Bulgaria – HIACE;
- [137] Petrov P., S. Martinov, K. Limonadov, Y. Straka, 1970. Hydrogeological studies on mineral water in Bulgaria, Technika Publishing House;
- [138] Plan for execution of phase 2 Data collection and analysing of regions, SE RAW, 2007;
- [139] Development plan on conception for burial of RAW, SE RAW, 2007;
- [140] Plan for execution of phase 4 Confirmation of a site for NDF, SE RAW, 2011;
- [141] Council of Ministers Decree №3/10.01.2013 on amendment of Decree No181 of the Council of Ministers /2009 for identification of strategic sites and activities which are of importance for national security;
- [142] According to a report on environmental impact assessment for decommissioning of blocks 1-4 of Kozloduy NPP. Chapter 3, Revision: 02. Date: 2013-04-12. Ref:П16Д09Ред02\_ДОБОС. Status: Final;

- [143] REIA of Kozloduy NPP. 1999;
- [144] Detailed Development Plan – a plot plan for emplacement of a section of a water main passing through Radiana site, SE RAW, 2013;
- [145] Detailed Development Plan – - regulation plan and construction of NDF on Radiana site, area of the village of Harlets, Kozloduy Municipality, 2012;
- [146] Rules of Organization and Operation of SE RAW, SG issue 5, 2014;
- [147] Preliminary safety assessment on NDF, SE RAW, 2013, the report is part of the documentation accompanying the Application for approval of the site selected;
- [148] Preliminary safety assessment on NDF, SE RAW, 2014, the report is part of the documentation accompanying the Application for approval of the site selected;
- [149] Preliminary geological engineering studies on Radiana site, Geohydroconsult OOD, 2008;
- [150] Pre-commissioning geodetic monitoring on Radiana site, a statement under task 2 Construction of Stage 1 of the spatial geodetic network for geodetic monitoring – before start work on the construction of a NDF, 2014;
- [151] Feasibility Study for construction of a National repository for low- and intermediate-level radioactive waste. Construction part and mining and technological part, Minproject EAD, 2009;
- [152] Feasibility study for construction of NDF, a tunnel-type repository, Minproject EAD, 2009;
- [153] A forecast for the danger of flood and erosion caused by Danube River on “Radiana” site related to the repository for low- and intermediate-level RAW, a report by Prof. DGSc Dimcho Evstatiev and Prof. DGSc Yordan Evlogiev under a contract with SERAW, May, 2011;
- [154] Programme for protection of the environment within Kozloduy Municipality 2004-2010;
- [155] Programme for provision of quality during the execution of project Construction of NDF for burial of low- and intermediate-level radioactive waste related to phase “Confirmation of Radiana site”, SE RAW, 2011;
- [156] Programme for provision of quality during the execution of phase 2 Data Collection and analysing of regions, SE RAW, 2007;
- [157] Programme for provision of quality during the development of the conception for burial of RAW and planning the selection of a site, SE RAW, 2007;
- [158] Programme for preoperational radiation monitoring of a National repository for radioactive waste; SERAW, 2013, the programme is part of the documentation accompanying the Application for approval of the site selected;
- [159] Programme for preoperational seismic monitoring of a National repository for radioactive waste; SERAW, 2013, the programme is part of the documentation accompanying the Application for approval of the site selected;
- [160] Programme for preoperational hydrogeological monitoring of a National repository for radioactive waste; SERAW, 2013, the programme is part of the documentation accompanying the Application for approval of the site selected;

- [161] Programme for environmental radiation monitoring during the operation of Kozloduy NPP, ID No УБ.МOC.ПМ.262/02;
- [162] Programme for pre-commissioning radiation monitoring of Radiana site, 2013, a report by Tita Consult OOD under a contract with SERAW for Programme for pre-commissioning environmental radiation monitoring of Radiana site; protocols in support of the execution of this contract;
- [163] Tourism Development Programme of Kozloduy Municipality 2008-2011;
- [164] Project: National repository for burial of radioactive waste of Radiana site, Consortium Westinghouse Electric Spain, DBE Technology, Enresa, 2014;
- [165] Design of DDP – a plot plan for identification of route and easement zone for temporary access to Radiana site, May 2014;
- [166] Protocols by Regional laboratory – Pleven, 2011;
- [167] Research on location of a surplus soils landfill and temporary landfills for humus and loess, SE RAW, 2014;
- [168] Exploration works in connection with “Reconstruction of a repository for RAW in a mound type repository for solid REW” GI-BAS, 2004;
- [169] DDP- a plot plan for displacement of a section of air power line ELBA from Radiana site, SE RAW, 2014;
- [170] DDP - a plot plan for displacement of a section of irrigation channel passing through Radiana site, 2013;
- [171] DDP - a plot plan for displacement of a section of water main passing through Radiana site, 2013;
- [172] DDP – Regulation and Building Plan (RBP) for site NDF at the Radiana site, 2012;
- [173] Detailed Design for construction of a temporary access road to Radiana site, October 2014;
- [174] Detailed Design for construction of an industrial fence around Radiana site, 2013;
- [175] Detailed Design for displacement of existing telecommunication cables SE RAW, 2014;
- [176] Detailed Design for displacement of a section of powerline ELBA 20 kV, possession of CEZ Electorazpredelenie Bulgaria AD, 2013;
- [177] Detailed Design for a water main and a water meter chamber with a water meter unit for water supply of Radiana site and displacement of a section of water main passing through Radiana site, SE RAW, 2013;
- [178] Permit № NH3211/05.05.2006 for identification of the location (selection of a site) of a facility for radioactive waste management – a National repository for burial of radioactive waste (NDF);
- [179] Results from held geological, geophysical, geological engineering, hydrogeological and laboratory studies at Radiana site, Geotechnica ABC, December, 2010;
- [180] Results from environmental radiation monitoring of Kozloduy NPP in 2013. Annual report of Kozloduy NPP EAD, March 2014. ID No14.PM.ДOK.129;
- [181] RHI Vratsa. Analysis of health and demographic parameters in Vratsa District in 2013;

- [182] Council of Ministers Decision №393/05.07.2013 provision of plots of state property for use and operation by SE RAW for construction of a National repository for burial of radioactive waste;
- [183] Council of Ministers Decision №683/25.07.2005 for construction of a National repository for burial of radioactive waste;
- [184] Council of Ministers Decision №898/08.12.2011 for identification of a NDF for national site and site of national importance;
- [185] Solakov, D., L. Hristoskov, St. Simeonova, Sv. Nikolova, 2007. A complex analysis and regional geophysical fields and seismic risk assessment – Institute of Geophysics – BAS;
- [186] Strategy for managing the spent nuclear fuel and radioactive waste until 2030, approved by a protocol decision of the Council of Ministers on 5 January 2011, amended with a protocol decision of the Council of Ministers on 25 June, 2011;
- [187] Joint analysis of the results from high-precision geodetic measurements, geomorphological and geotechnical surveys in the areas of the sites envisaged for emplacement of a NDF, GI-BAS, 2007;
- [188] Terms of Reference for preparation of Technical proposal for displacement of a section of irrigation channel passing through Radiana site, 2013;
- [189] Terms of Reference for preoperational geodetic monitoring of Radiana site, SERAW, 2013;
- [190] Terms of Reference for preoperational seismic monitoring of Radiana site, SERAW, 2013;
- [191] Technical proposal for a NDF at Radiana site, prepared by Consortium Westinghouse Electric Spain, DBE Technology & ENRESA; 2013;
- [192] Technical proposal “Reinforced concrete container for transportation and storage of RAW” ID №DTR-ENPR-0622;
- [193] Technical proposal: Part: General explanatory note. An explanatory note. EQEB-11207-TD-GEN-R01;
- [194] Tarpanova, Hr., M. Naydenov, 1992, “Adapted method for identification of 90SR in soil” XIV colloquium “Physics in human health protection and environmental protection”, Gyulechitsa, 19-21.06. 1992, p. 10-21;
- [195] Notice for investment intention for extension of the term for operation of 5 and 6 block of Kozloduy NPP”. Kozloduy NPP, 2013., <http://www.kznpp.org/>;
- [196] Philipov, L., Em. Koyumdzhieva, N. Popov, 1989. Geological map of Bulgaria. Map sheet Kozloduy;
- [197] Characteristics of the site No 4, GI-BAS, 2007;
- [198] Tsankov, Ts., L. Nedyalkova, V. Angelov and etc., 1991. Geological map of Bulgaria. Map sheet Vratsa.

## 8.2 LIST OF MATERIALS RELATED TO THE ELABORATION OF THE EIA REPORT

<b>EIA REPORTS</b>	
1.	Environmental Impact Assessment Report of the Kozloduy NPP (EIA Report of Kozloduy NPP), Sofia, 1999
2.	Environmental Impact Assessment Report of the Kozloduy NPP Dry Spent Fuel Storage Facility, 2005
3.	Environmental Impact Assessment Report of the investment proposal “Construction of new nuclear capacity of the latest generation at the Kozloduy NPP Site”, Kozloduy NPP-New nuclear capacity EAD, 2013
4.	Impact Degree Assessment Report of the investment proposal “Construction of new nuclear capacity of the latest generation at the Kozloduy NPP Site”, with the subject and aims for protection of the protected areas, Kozloduy NPP-New nuclear capacity EAD, 2013
5.	Environmental Impact Assessment Report of a facility for treatment and conditioning of RAW with large coefficient of volume reduction at the Kozloduy NPP, 2013
6.	Environmental Impact Assessment Report of the closure of units 1-4 of the Kozloduy NPP
<b>REPORTS ON THE PRE-DESIGN STUDIES AND SITE STUDIES PERFORMED BY THE SE RAW, REPORTS SUBMITTED WITH THE BULGARIAN NUCLEAR REGULATORY AGENCY</b>	
7.	Report on Completion of the Development of a Concept and Planning for Site Selection Phase, a report submitted with the Bulgarian Nuclear Regulatory Agency
8.	Report on Completion of Data Acquisition and Regions Analysing Phase, a report submitted with the Bulgarian Nuclear Regulatory Agency
9.	Report on Completion of Sites Characterization Phase 3, a report submitted with the Bulgarian Nuclear Regulatory Agency
10	Report on Review and Selection of Potential Sites for NDF, Institute of Geology to the Bulgarian Academy of Sciences, 2007; the study has been carried out during the Data Acquisition and Regions Analysing Phase
11	Complex analysis of the regional geophysical fields and assessment of the seismic risk, Institute of Geology to the Bulgarian Academy of Sciences, 2007; the study has been carried out during the Sites Characterisation Phase, 2007
12	Methodological research to verify the methods and methodologies for study and providing evidence for the acceptability of the relevant sites for the NDF implementation, Institute of Geology to the Bulgarian Academy of Sciences, 2007; the study has been carried out during the Sites Characterisation Phase
13	Performance of Engineering and Geological, Hydrogeological and Geophysical Studies, Institute of Geology to the Bulgarian Academy of Sciences, 2007; the study has been carried out during the Sites Characterisation Phase
14	Joint analysis of the results from the high-accuracy geodesic measurements, geomorphologic and geotectonic measurements, Institute of Geology to the Bulgarian

	Academy of Sciences, 2007; the study has been carried out during the Sites Characterisation Phase
15	Site Characterization No 4, Institute of Geology to the Bulgarian Academy of Sciences, 2007; the study has been carried out during the Sites Characterisation Phase
16	Geophysical study of the slope to the South of Kozloduy NPP, Sv. Ivan Rilski University of Mining and Geology, 2007
17	Engineering and Geological, Hydrogeological Studies for Implementation of a National Facility for Disposal of Low and Intermediate Level Waste, Sv. Ivan Rilski University of Mining and Geology, 2007; the study has been carried out during the Sites Characterisation Phase
18	Prediction of the Possible Distribution of radionuclides from the NDF into the Sub-soil space and Underground Waters of the Radiana Site, Aqua Modelling Group, 2008; the study has been carried out during the Sites Characterisation Phase
19	Analysis of the Conditions for Near Surface Disposal of RAW, Sv. Ivan Rilski University of Mining and Geology, 2007; the study has been carried out during the Sites Characterisation Phase
20	Report on the Results from Geological, Geophysical, Engineering and Geological, Hydrogeological, Hydrological and Laboratory Studies, MGU-Engineering, 2009, the study has been carried out during the Sites Confirmation Phase
21	Report for elaboration of geological and hydrogeological profile of the plateau between the Radiana Site and the Danube River, report of prof. Jordan Evlogiev under a contract with SE RAW, December 2012
22	Prediction about the risk of flood and erosion from the Danube River at the Radiana Site for disposal facility for low and intermediate level radioactive waste, report of prof. Dimcho Evstatiev and prof. Jordan Evlogiev under a contract with SE RAW
23	Assessment of the change in underground waters level at the Radiana Site in cases of maximal increase of the Danube River level, report of prf. Iliya Yotov under a contract with SE RAW
24	Engineer, geological, hydrological and geological on-site and laboratory studies of the level-flat area of the Radiana Site; report elaborated by Institute of Geology to the Bulgarian Academy of Sciences under a contract with SE RAW, August 2011
25	Lithographic drillings at the longitudinal axis of the storage modules of the NDF at the Radiana Site for specifying the elevation of the attitude of Pliocene sediments, report of the Institute of Geology to the Bulgarian Academy of Sciences under a contract with SE RAW, November 2012
26	Programme for pre-operational radiation monitoring of the National disposal facility for radioactive waste; SE RAW, 2013; the programme is part of the documentation of the Application for approval of the selected site
27	Programme for pre-operational hydrological and geological monitoring of the National disposal facility for radioactive waste; SE RAW, 2013; the programme is part of the documentation of the Application for approval of the selected site
28	Programme for pre-operational seismologic monitoring of the National disposal facility for radioactive waste; SE RAW, 2013; the programme is part of the documentation of

	the Application for approval of the selected site
29	Terms of reference for pre-operational geodesic monitoring of the Radiana Site, SE RAW, 2013
30	Terms of reference for pre-operational seismologic monitoring of the Radiana Site, SE RAW, 2013
31	Programme for pre-operational radiological monitoring of the Radiana Site, 2013; report of Tita Consult OOD under a contract with SE RAW for Pre-operational radiological monitoring of the Radiana Site; protocols demonstrating the implementation of the contract;
32	Conceptional project of the NDF in two versions, prepared by consortium Westinghouse Electric Spain, DBE Technology and Enresa, 2012
33	Technical project of the NDF in two versions, prepared by consortium Westinghouse Electric Spain, DBE Technology and Enresa, 2013
34	Detailed site development plan - Plan for regulation and development for the NDF at the Radiana Site, 2012
35	Preliminary report for safety analysis, Report on Task 4.2 of the PHARE Project №EUROPEAID/122568/D/SV/BG, 2008
36	Programme for site monitoring, Report on Task 4.4. of the PHARE Project №EUROPEAID/122568/D/SV/BG, 2008
37	Update of radionuclide stock for the NDF, Report on Task 3 of the PHARE Project №EUROPEAID/122568/D/SV/BG, 2008
38	Pre-project study for NDF construction, disposal facility type shaft, Minproekt EAD, 2009
39	Pre-project study for NDF construction, disposal facility type tunnel, Minproekt EAD, 2009
40	Updated preliminary safety analysis of the NDF, under development, RiskInjenering
41	Technical and economical foundation, under development, RiskInjenering
42	Preliminary safety assessment of the NDF, SE RAW, 2013, the programme is part of the documentation of the Application for approval of the selected site
43	Interim safety assessment, prepared by consortium Westinghouse Electric Spain, DBE Technology and Enresa, 2014
44	Report on the possibilities for implementation of measures for population protection in case of a severe radiation failure, SE RAW, 2013, the programme is part of the documentation of the Application for approval of the selected site
45	Working project for dislocation of part of the ELBA electric power line 20 kV, owned by Chez Electro Bulgaria AD, 2013
46	Conceptual project for dislocation of part of an irrigation canal crossing the Radiana Site, 2013
47	Detailed site development plan – Site plan for dislocation of part of an irrigation canal



	crossing the Radiana Site, 2013
48	Technical terms of reference for elaboration of a Technical project for dislocation of part of an irrigation canal crossing the Radiana Site, 2013
49	Working project for drinking water-piping and water-meters shaft with water-meters knot for water supply of the Radiana Site and dislocation of part of a drinking water piping crossing the vicinity of the Radiana Site
50	Detailed site development plan – Site plan for dislocation of part of drinking water-piping crossing the Radiana Site, 2013
51	Working project for construction of a temporary road for access to the Radiana Site, 2013
52	Working project for construction of an industrial fence at the Radiana Site, 2013
53	Multiattribute evaluation and recommendations to SERAW, (evaluation and recommendations to SE RAW), prepared by consortium Westinghouse Electric Spain, DBE Technology and Enresa, 2012r.
54	Detailed Programme for Realization of the Hydrogeological Monitoring and Geochemical Analysis, 2013r., report of consortium National Nuclear Laboratory, UK and British Geological Survey upon a contract with SE RAW for implementation of Pre-operational hydrological and geological monitoring of the Radiana Site
55	Preliminary Hydrogeological model for the Radiana Site, 2013, report of consortium National Nuclear Laboratory, UK and British Geological Survey upon a contract with SE RAW for implementation of Pre-operational hydrological and geological monitoring of the Radiana Site
56	Design of the Overall Monitoring System Including Vadose Zone and Saturated Zone (Aquifer) Monitoring, 2013r., report of consortium National Nuclear Laboratory, UK and British Geological Survey upon a contract with SE RAW for implementation of Pre-operational hydrological and geological monitoring of the Radiana Site
57	Construction of Vadose Zone Monitoring Systems, 2013, report of consortium National Nuclear Laboratory, UK and British Geological Survey upon a contract with SE RAW for implementation of Pre-operational hydrological and geological monitoring of the Radiana Site
58	Construction of the Saturated zone (Aquifers) Monitoring System, 2013, report of consortium National Nuclear Laboratory, UK and British Geological Survey upon a contract with SE RAW for implementation of Pre-operational hydrological and geological monitoring of the Radiana Site
<b>STRATEGIES</b>	
59	Strategy on Spent Fuel and Radioactive Waste Management to the year 2030. Approved by the Council of Ministers by a Protocol Decision No 1.5/05.01.2011
60	Updated Strategy on Decommissioning of the Kozloduy NPP Units 1-4; KPMU/DCS/001 – Rev. 0, 2006
61	Regional Strategy for Development of the Vratsa Region for the period 2005–2015; approved at a meeting of the Regional Council for Development of the Vratsa Region of 28 November 2005

<b>OTHER MATERIALS</b>	
62	Programme for Environmental Protection of the Kozloduy Municipality for the period 2010– 2013
63	Municipal programme for waste management of the Kozloduy Municipality, 2010-2013
64	Marketing profile of the Kozloduy municipality
65	Programme for Tourism Development in the Kozloduy Municipality for the Period 2008- 2011
66	Report on the Status of the Environment in the period 2009-2013, Regional Inspectorate of Environment and Waters - Vratsa, MoEW
67	Results from the Kozloduy NPP Radioecological Monitoring – years 2009, 2010, 2011, 2012, 2013
68	Purposely acquired/retrieved materials in the course of the consultations