

## Site (Structure) : KNPP

Country: BULGARIA

Reporting Year: 2012

Full Name: Kozloduy NPP

Description:

Official Website:

License Holder(s): Kozloduy NPP Plc., 3321 Kozloduy, Bulgaria - for facilities: Units 1,2, Units 3,4, AB-1, AB-2 and AB-3 / State Enterprise "Radioactive Waste", 51 James Baucher Blvd., 1407 Sofia - for facilities: WMA-VS, WTCP and CWSF

Kozloduy NPP Plc., 3321 Kozloduy, Bulgaria - for facilities: Units 1,2, Units 3,4, AB-1, AB-2 and AB-3 / State Enterprise "Radioactive Waste", 51 James Baucher Blvd., 1407 Sofia - for facilities: WMA-VS, WTCP and CWSF

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>AB-1</b>
<b>Description:</b>	Auxiliary Building, part of original design of Units 1 and 2. Processing of operational liquid waste and storage of solid waste, liquid waste and spent sorbents.

**Storage part of facility AB-1**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Solid-1&2	Yes	Yes
Solid-3	Yes	Yes
Liquid	Yes	Yes

List SRS?	No
List UMMT?	No

<b>Capacity:</b>	Solid waste - 7 bunkers with total capacity of 1010 m3 Liquid waste - 5 x 470 m3 High activity sorbents - 2 x 350 m3 Low activity sorbents - 2 x 188 m3
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## Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Solid 1-7	bunker	1974	No	No	No	No
Liquid-all	tank (stainless steel)	1974	No	No	No	No

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**Processing part of facility AB-1**

The following shows processing status for waste classes and SRS.

Waste Class	Actual	Planned
Solid-1&2	No	No
Solid-3	No	No
Liquid	Yes	Yes

Type:	Treatment
Year opened:	1974

**Comment # 9923: Solid-1 and solid-2 classes**

No separation is made on site between solid-1 and solid-2 waste classes. Since major part of the waste is estimated to be solid-1 class, all wastes of these two classes is reported as solid-1. Same comment is valid for the following facilities: AB-2, AB-3, CWSF, WMA-VS.

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<b>Facility:</b>	<b>AB-2</b>
<b>Description:</b>	Auxiliary Building, part of original design of Units 3 and 4. Processing of operational liquid waste and storage of solid waste, liquid waste and spent sorbents.

**Storage part of facility AB-2**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Solid-1&2	Yes	Yes
Solid-3	Yes	Yes
Liquid	Yes	Yes

<b>List SRS?</b>	No
<b>List UMMT?</b>	No

<b>Capacity:</b>	Solid waste - 7 bunkers with total capacity of 1010 m3 Liquid waste - 5 x 470 m3 High activity sorbents - 2 x 350 m3 Low activity sorbents - 2 x 188 m3
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## Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Solid 1-7	bunker	1980	No	No	No	No
Liquid-all	tank (stainless steel)	1980	No	No	No	No

**Processing part of facility AB-2**

The following shows processing status for waste classes and SRS.

Waste Class	Actual	Planned
Solid-1&2	No	No
Solid-3	No	No
Liquid	Yes	Yes

<b>Type:</b>	Treatment
<b>Year opened:</b>	1980

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<b>Facility:</b>	<b>AB-3</b>
<b>Description:</b>	Auxiliary Building, part of original design of Units 5 and 6. Processing of operational liquid waste and storage of solid waste, liquid waste and spent sorbents.

**Storage part of facility AB-3**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Solid-1&2	Yes	Yes
Solid-3	Yes	Yes
Liquid	Yes	Yes

<b>List SRS?</b>	No
<b>List UMMT?</b>	No

<b>Capacity:</b>	Solid-1 and solid-2: 2486 m3 Solid-3: 213 m3 Liquid: 3600 m3 Spent sorbents: 2 x 100 m3
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## Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Solid	bunker	1987	No	No	No	No
Liquid	tank (stainless steel)	1987	No	No	No	No

**Processing part of facility AB-3**

The following shows processing status for waste classes and SRS.

Waste Class	Actual	Planned
Solid-1&2	No	No
Solid-3	No	No
Liquid	Yes	Yes

<b>Type:</b>	Treatment
<b>Year opened:</b>	1987

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<b>Facility:</b>	<b>CWSF</b>
<b>Description:</b>	Storage facility for conditioned waste (from WTCP)

**Storage part of facility CWSF**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Solid-1&2	Yes	Yes
Solid-3	No	No
Liquid	No	No

List SRS?	No
List UMMT?	No

<b>Capacity:</b>	1920 containers with a total volume of 8 m3 each, including the container. Internal volume (capacity) of one container is 5 m3.
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## Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
CWSF	building	2002	No	No	No	No

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<b>Facility:</b>	<b>Units 1, 2</b>
<b>Description:</b>	Storage facility for class "solid-3" operational waste located in the reactor hall of units 1 and 2

**Storage part of facility                      Units 1, 2**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Solid-1&2	No	No
Solid-3	Yes	Yes
Liquid	No	No

List SRS?	No
List UMMT?	No

Capacity:	81.6 m3
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## Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Units 1, 2	silo	1974	No	No	No	No

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<b>Facility:</b>	<b>Units 3, 4</b>
<b>Description:</b>	Storage facility for class "solid-3" operational waste located in the reactor hall of units 3 and 4

**Storage part of facility                      Units 3, 4**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Solid-1&2	No	No
Solid-3	Yes	Yes
Liquid	No	No

List SRS?	No
List UMMT?	No

Capacity:	81.6 m3
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## Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Units 3, 4	silo	1980	No	No	No	No

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<b>Facility:</b>	<b>WMA-VS</b>
<b>Description:</b>	Waste Management Storage Area "Varovo Stopanstvo"

**Storage part of facility WMA-VS**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Solid-1&2	Yes	Yes
Solid-3	No	No
Liquid	No	No

List SRS?	No
List UMMT?	No

Capacity:	Total capacity: 11 929 m3.
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## Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
VS	building	1992	No	Yes	No	No
GTK	container (marine)	1999	No	No	Yes	No
HRAO	bunker	1979	No	No	No	No
OP	concrete pad	1994	No	No	No	No



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<b>Facility:</b>	<b>WTCP</b>		
<b>Description:</b>	Waste Processing Plant for treatment and conditioning of solid and liquid waste originating from Kozloduy NPP, located on site.		
<b>Processing part of facility</b>	<b>WTCP</b>		
The following shows processing status for waste classes and SRS.			
<b>Waste Class</b>	<b>Actual</b>	<b>Planned</b>	
Solid-1&2	Yes	Yes	
Solid-3	No	No	
Liquid	Yes	Yes	
<b>Type:</b>	Treatment, Conditioning		
<b>Year opened:</b>	2001		