

Site (Structure) : BP1

Country: BELGIUM

Reporting Year: 2005

Full Name: Belgoprocess, site 1

Description:

Official Website:

License Holder(s): Belgoprocess N.V.
Gravenstraat 73
B-2480 Dessel
Belgium

Waste management facilities that are located at this site:

Facility:	B103					
Description:	Building 103 is a storage facility for alpha contaminated unprocessed waste.					
Storage part of facility B103						
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
Category A	No	No				
Category B	Yes	No				
Category C	No	No				
Category R	No	No				
List SRS?	No					
List UMMT?	No					
Capacity:						
Types of Storage Units						
Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
B103	building	0	No	No	No	No

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Facility:	B104
Description:	Building 104 is a storage facility for alpha contaminated unprocessed waste.

Storage part of facility B104

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Category A	No	No
Category B	Yes	No
Category C	No	No
Category R	No	No

List SRS?	No
List UMMT?	No

Capacity:	
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
B104	building	0	No	No	No	No

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Facility:	B110X
Description:	B110X is a new facility for the treatment and conditioning of solid (mostly alpha bearing) LLW-LL.

Storage part of facility B110X

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Category A	No	No
Category B	Yes	No
Category C	No	No
Category R	No	No

List SRS?	No
List UMMT?	No

Capacity:	
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
B110X	building	0	No	No	No	Yes

Processing part of facility B110X

The following shows processing status for waste classes and SRS.

Waste Class	Actual	Planned
Category A	No	No
Category B	No	No
Category C	No	No
Category R	No	No

Type:	Treatment, Conditioning
Year opened:	2003

Comment **# 9915: Storage Facility B110X**

SRS:38 alpha sources are stored in this building.

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Facility:	B127
Description:	Building B127 is a storage facility for category B-waste in a bitumen or cement matrix. Bunkers A and B of this facility contain 220 liter drums; bunker C contains only 400 liter drums.

Storage part of facility B127

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Category A	Yes	Yes
Category B	Yes	Yes
Category C	No	No
Category R	No	No

List SRS?	No
List UMMT?	No

Capacity:	Total capacity is evaluated at 18.393 packages, the equivalent of some 4.650 m ³ of conditioned waste.
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
B127A	bunker	1978	No	Yes	No	No
B127B	bunker	1978	No	No	No	No
B127C	bunker	1988	No	No	No	No

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Facility:	B129
Description:	Building B129 is a storage facility for category C-waste other than the HLW produced during the abroad reprocessing of spent fuel. Bunker A contains containers of 60 liter; bunker B contains containers of 150 liter.

Storage part of facility B129

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Category A	No	No
Category B	No	No
Category C	Yes	Yes
Category R	No	No

List SRS?	No
List UMMT?	No

Capacity:	Total capacity is evaluated at 2.572 packages, the equivalent of some 250 m ³ of vitrified waste.
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
B129A	bunker	1985	No	No	No	No
B129B	bunker	1985	No	No	No	No

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Facility:	B136
Description:	Building B136 is a storage facility for vitrified category C- (bunker 170) and sumpercompacted category C-waste (bunker 140/141) produced during the abroad reprocessing of spent fuel.

Storage part of facility B136

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Category A	No	No
Category B	No	No
Category C	Yes	Yes
Category R	No	No

List SRS?	No
List UMMT?	No

Capacity:	Present total capacity is evaluated at 590 packages of vitrified waste (bunker 170: some 90 m ³). Other capacities: see comments.
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
140/141	bunker	2000	No	No	Yes	No
170	bunker	2000	No	No	Yes	No

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Facility:	B150
Description:	Building 150 is a storage facility for category A-waste. This facility mainly contains 400 liter drums, but also packages of 500, 600, 1.000, 1.500, 1.600 and 2.200 liter.

Storage part of facility B150

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Category A	Yes	No
Category B	No	No
Category C	No	No
Category R	No	No

List SRS?	No
List UMMT?	No

Capacity:	Total capacity is evaluated at 3.424 packages, the equivalent of some 2.000 m ³ of conditioned waste.
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
B150N	bunker	1986	No	Yes	No	No
B150C	bunker	1986	No	Yes	No	No
B150Z	bunker	1986	No	Yes	No	No

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Facility:	B151
Description:	Building 151 is a storage facility for category A-waste. This building mainly contains 400 liter drums, but also packages of 220, 600, 1.000, 1.500 and 1.600 liter.

Storage part of facility B151

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Category A	Yes	Yes
Category B	Yes	No
Category C	No	No
Category R	No	No

List SRS?	No
List UMMT?	No

Capacity:	Total capacity is evaluated at 35.422 packages, the equivalent of some 14.300 m ³ of conditioned waste.
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
B151A	bunker	1988	No	No	No	No
B151B	bunker	1988	No	Yes	No	No
B151C	bunker	1993	No	No	No	No
B151D	bunker	1993	No	No	No	No

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Facility:	B153
Description:	Building 153 is a storage facility for alpha contaminated unprocessed waste.

Storage part of facility B153

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Category A	No	No
Category B	Yes	No
Category C	No	No
Category R	No	No

List SRS?	No
List UMMT?	No

Capacity:	
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
B153	building	0	No	No	No	No

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Facility:	B155
Description:	Building B155 is a storage facility for alpha- and radiumcontaminated category B-waste. This building has been completed in 2003 and is operational since 2005.

Storage part of facility B155

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Category A	No	No
Category B	Yes	Yes
Category C	No	No
Category R	No	No

List SRS?	No
List UMMT?	No

Capacity:	Bunker LAGAL (plutonium contaminated waste): 2.000 m ³ (i.e. 5.000 packages) Bunker RAGAL (radium contaminated waste): 2.000 m ³ (i.e. 5.000 packages)
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
LAGAL	bunker	0	No	No	Yes	No
RAGAL	bunker	0	No	No	Yes	No

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Facility:	B156
Description:	Building 156 is a purpose designed storage facility for irradiated fuel coming from the reactor BR3. This irradiated fuel is loaded into CASTOR containers, each container holding 30 fuel assemblies.

Storage part of facility B156

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
Category A	No	No
Category B	No	No
Category C	Yes	Yes
Category R	No	No

List SRS?	No
List UMMT?	No

Capacity:	Total capacity of building 156 consists of 8 CASTOR containers.
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
B156	building	2001	No	No	No	No

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Facility:	CILVA		
Description:	CILVA is Belgium's central facility for treatment and conditioning of solid and liquid LILW-SL.		
Processing part of facility		CILVA	
The following shows processing status for waste classes and SRS.			
Waste Class	Actual	Planned	
Category A	No	No	
Category B	No	No	
Category C	No	No	
Category R	No	No	
Type:	Treatment, Conditioning		
Year opened:	1994		

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Facility:	EUROBIT		
Description:	Eurobitumen is a facility for the treatment and conditioning of liquid, alpha bearing LILW-LL (i.e. sludge and evaporator concentrates) into bitumen.		
Processing part of facility		EUROBIT	
The following shows processing status for waste classes and SRS.			
Waste Class	Actual	Planned	
Category A	No	No	
Category B	No	No	
Category C	No	No	
Category R	No	No	
Type:	Treatment, Conditioning		
Year opened:	1978		

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Facility:	PAMELA															
Description:	PAMELA is a former pilot plant for vitrification of high-level liquid waste until 1991, generated by the Eurochimic reprocessing plant. During the 1990's, it was heavily modified and is currently used for the conditioning of solid ILW-LL															
Processing part of facility PAMELA																
The following shows processing status for waste classes and SRS.																
<table border="1"><thead><tr><th>Waste Class</th><th>Actual</th><th>Planned</th></tr></thead><tbody><tr><td>Category A</td><td>No</td><td>No</td></tr><tr><td>Category B</td><td>No</td><td>No</td></tr><tr><td>Category C</td><td>No</td><td>No</td></tr><tr><td>Category R</td><td>No</td><td>No</td></tr></tbody></table>	Waste Class	Actual	Planned	Category A	No	No	Category B	No	No	Category C	No	No	Category R	No	No	
Waste Class	Actual	Planned														
Category A	No	No														
Category B	No	No														
Category C	No	No														
Category R	No	No														
Type:	Conditioning															
Year opened:	1981															