

Site (Structure) : NES

Country: AUSTRIA

Reporting Year: 2007

Full Name: Nuclear Engineering Seibersdorf GmbH

Location: A-2444 Seibersdorf, Austria

Description:

Official Website:

License Holder(s): Nuclear Engineering Seibersdorf GmbH

Comment # 12236: Site NES

The only radioactive waste management facility existing in Austria is the Nuclear Engineering Seibersdorf GmbH (NES), A-2444 Seibersdorf. NES is located at the site of the Austrian Research Centers Seibersdorf, south of Vienna.

Waste management facilities that are located at this site:

Facility:	Cement fac	
Description:	The main conditioning and immobilization method currently in use is cementation (grouting). With some exceptions, only steel 200-litre-drums are in use.	
Processing part of facility	Cement fac	
The following shows processing status for waste classes and SRS.		
Waste Class	Actual	Planned
VLLW	No	No
LLW	Yes	No
ILW	Yes	No
HLW	No	No
Type:	Conditioning	
Year opened:	1995	

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Facility:	Compactor																
Description:	Non burnable solid radioactive waste can be treated using the high-force compactor. Pellets formed in this way are transferred into 200-litre drums for storage. Depending on the waste characteristics, a volume reduction factor of 2 to 10 can be reached																
<p>Processing part of facility Compactor</p> <p>The following shows processing status for waste classes and SRS.</p> <table border="1"> <thead> <tr> <th>Waste Class</th> <th>Actual</th> <th>Planned</th> </tr> </thead> <tbody> <tr> <td>VLLW</td> <td>No</td> <td>No</td> </tr> <tr> <td>LLW</td> <td>Yes</td> <td>No</td> </tr> <tr> <td>ILW</td> <td>No</td> <td>No</td> </tr> <tr> <td>HLW</td> <td>No</td> <td>No</td> </tr> </tbody> </table>			Waste Class	Actual	Planned	VLLW	No	No	LLW	Yes	No	ILW	No	No	HLW	No	No
Waste Class	Actual	Planned															
VLLW	No	No															
LLW	Yes	No															
ILW	No	No															
HLW	No	No															
Type:	Treatment																
Year opened:	1995																

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Facility:	Drier															
Description:	Sludge drier: the facility is used for drying the sludge obtained in the Waste Water Treatment Facility and for liquid waste.															
Processing part of facility Drier																
The following shows processing status for waste classes and SRS.																
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Waste Class	Actual	Planned														
VLLW	No	No														
LLW	No	No														
ILW	No	No														
HLW	No	No														
Type:	Treatment															
Year opened:	1993															

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Facility:	Incinerat	
Description:	LILW incinerator: The shaft incinerator of "Karlsruhe" type is an excess air unit having a capacity of 40 kg/h and a combustion volume of d-1m and h-5m. The off-gas cleaning system consists of ceramic hot gas filters, quench, wet scrubber and HEPA-Filters	
Processing part of facility	Incinerat	
The following shows processing status for waste classes and SRS.		
Waste Class	Actual	Planned
VLLW	No	No
LLW	No	No
ILW	No	No
HLW	No	No
Type:	Treatment	
Year opened:	1983	

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Facility:	Interim
Description:	Interim Storage Facility for conditioned radioactive waste

Storage part of facility **Interim**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
VLLW	No	No
LLW	Yes	Yes
ILW	Yes	Yes
HLW	No	No

List SRS?	No
List UMMT?	No

Capacity:	The capacity is limited to 15,000 200-litre-drums
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
Hall 1	building	0	No	No	Yes	No
Hall 2	building	0	No	No	Yes	No

Comment **# 12239: Storage Facility Interim**

All conditioned radioactive waste is stored within two dry engineered construction storage halls.

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Facility:	RawStorage					
Description:	Buffer storage facility for raw radioactive waste					
Storage part of facility		RawStorage				
The following shows storage status for waste classes and SRS.						
Waste Class	Actual	Planned				
VLLW	No	No				
LLW	Yes	Yes				
ILW	Yes	Yes				
HLW	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?
RawStorage	building	0	No	No	No	Yes

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Facility:	Sorting		
Description:	Segregation Facility: A special room ("sorting box") equipped with a negative pressure ventilation system is used for specific tasks, such as dismantling of larger equipment		
Processing part of facility		Sorting	
The following shows processing status for waste classes and SRS.			
Waste Class	Actual	Planned	
VLLW	No	No	
LLW	No	No	
ILW	No	No	
HLW	No	No	
Type:	Treatment		
Year opened:	1983		

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Facility:	WWTF		
Description:	Waste Water Treatment Facility: In this facility, waste water from the Nuclear Engineering Seibersdorf GmbH (NES) site in Seibersdorf is treated by precipitation and filtration.		
Processing part of facility		WWTF	
The following shows processing status for waste classes and SRS.			
Waste Class	Actual	Planned	
VLLW	No	No	
LLW	No	No	
ILW	No	No	
HLW	No	No	
Type:	Treatment		
Year opened:	1976		