

>>> Time Table Plan for building DBHD 1.4 International Nuclear Repositories HLW - Version 12.1 from 27.02.2019 >>>																																									
Work-Steps in rough Mile-Stones / Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036																		
1	Planning, Drawing, Thermod.-Calculation DBHD repository	Planning DBHD 1.4 Repository																										Ing. Goebel + 14.000 ww													
2	Long-Term Safety Case Calculation 1 Mio. yrs. in Comsol					1 Mio. yrs.																					GRS, VTT, Amphos 21														
3	Probe-Drillings to confirm Geology Maps Information					Probe-Drillings																					only Probe-Core-Drillings														
4	Ordering the Shaft-Boring-Machine SBM / 50 Mio. EUR							SBM																			SBM Order 50 Mio. EUR														
5	Fabrication of Shaft-Boring-Machine / Herrenknecht AG							SBM Fabrication																			D = 12 m Shaft Drill Techn.														
6	Buying 1 st plot of land with a Municipal Council Decision									Building land																	Municipal Council Decision														
7	1 Compensation Payment to all residents near building land									1 C. Payment																	1 Compensation Payment														
8	Preparation around building site - streets, power, water				Parallel-Planning					Preparation																	Building site environment														
9	Cable Drum House, Work-Over Rig, Concrete Capacity									Drilling-Site																	Building the drilling site														
10	Test Drilling with SBM into rocksalt until reaching req. depth																										Drilling, Concrete, Ventilation														
11	Local and countrywide Pro/Contra repository debate	Debate, Local-Conferences, Judicial Review, Building-Permission granted																								Prüfung - Baugenehmigung															
12	1. Repository Location decision by country parliament																										Part-Site Decision Parliament														
13	2 Compensation Payment to all residents near building land																										2. Kompensations-Zahlung														
14	740 m / Widening Drill Hole to D= 21,0 m with Chain-Saws																										Miner works at +16 °C														
15	1. Storage Decision for 328 HLW Castor Containers																										Containers, Concrete, Salt														
16	Closure of Deep Big Hole Disposal 1. Location with Salt																										salt + mountain pressure														
17	Building back of all above ground plant elements to Zero																										Cornfield or meadow														
18																																									
19	Probe-Drillings to confirm Geology Maps Information				Parallel-Planning																						only Probe-Core-Drillings														
20	Buying 2 nd plot of land with a Municipal Council Decision																										Municipal Council Decision														
21	Compensation Payment to all residents near building land																										1 Compensation Payment														
22	Preparation around building site - streets, power, water																										Building site environment														
23	Cable Drum House, Work-Over Rig, Concrete Capacity																										Building the drilling site														
24	Drilling with SBM into rocksalt until reaching req. depth																										Drilling, Concrete, Ventilation														
25	Local and countrywide Pro/Contra repository debate	International Debate, Regional-Conferences, complete Judicial Review, Complete Building-Permission granted																								Prüfung - Baugenehmigung															
26	Complete Location Decision by country Parliament																										Total Location Decision														
27	740 m / Widening Drill Hole to D= 21,0 m with Chain-Saws																										Miner works at +16 °C														
28	Storage of 328 HLW Castor Containers																										Containers, Concrete, Salt														
29	Closure of Deep Big Hole Disposal 2. Location with Salt																										salt + mountain pressure														
30	Building back of all above ground plant elements to Zero																										Cornfield or meadow														
31																																									
32	building more DBHDs - each with 328 HLW containers																																								
33	etc., etc., etc. etc.	The total construction and storage time depends on the amount of HLW and will take decades																																						then the over 60 year old	
34	related to the HLW amounts the country got	Investment Example: EUR 6.2 billion EUR - Capacity 27.500 Mg HLW - Invest to amount of waste																																							building problem is solved
35																																									
36	No Sign - Nothing - Beginning of forgetting																																								
	Realistic Planning- and Building times that are possible	Draft :				Dipl.-Ing. Volker Goebel								" Original File "								DBHD 1.4 international repository					With best regards														