

>>> Time Table Plan for building 10 x DBHD 1.4.1 Canada Nuclear Repositories DSC / HLW - Version 12.3 from 27.03.2019 >>>																										
Work-Steps in rough Mile-Stones / Years	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 1.4.1 Disposal																								Ing. Goebel + 14.700 ww	
2 Long-Term Safety Case Calculation 100.000 yrs. in Comsol						100.000. yrs																			CNS, GRS, VTT, Amphos 21	
Working out geological rocksalt map from existing data						Geol.Map																			rocksalt map NW and NS	
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 Order 50 Mio. EUR	
5 Fabrication of Shaft-Boring-Machine / Herrenknecht AG																									D = 12 m Shaft Drill Techn.	
6 Buying 1 st plot of land with a Municipal Council Decision																									Municipal Council Decision	
7 1 Compensation Payment to all residents near building land																									1. Compensation Payment	
8 Preparation around building site - streets, power, water																									Building site environment	
9 Cable Drum House, Work-Over Rig, Concrete Capacity																									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																									
12 1. Repository Location decision by OPG, Bruce, NB Power																									Exam. - Building Permit	
13 2 Compensation Payment to all residents near building land																									1/10 Part-Site Decision	
14 785 m / Widening Drill Hole to D= 16,18 m with Chain-Saws																									2. Compensation Payment	
15 1. Storage Decision /Storage of 832 white DSC Containers																									Miner works at +16 °C	
16 Closure of Deep Big Hole Disposal 1. Location with Salt																									Containers, Concrete, Salt	
17 Building back of all above ground plant elements to Zero																									salt + mountain pressure	
18																									Cornfield or meadow	
19 Probe-Drillings to confirm Geology Maps Information																									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																									
26 Complete Location Decision by country Parliament																									Exam. - Building Permit	
27 785 m / Widening Drill Hole to D= 16,18 m with Chain-Saws																									2/10 Location Decision	
28 Storage of 832 DSC Containers (40 years old DSCs)																									Miner works at +16 °C	
29 Closure of Deep Big Hole Disposal 2. Location with Salt																									Containers, Concrete, Salt	
30 Building back of all above ground plant elements to Zero																									salt + mountain pressure	
31																									Cornfield or meadow	
32 building 8 more DBHDs - each with 832 DSC containers																										
33 as spent Candu fuel is an un-enriched fuel, it is possible	The total construction and storage time for 83.200 tons of spent Candu fuel in 10 DBHDs																									
34 to store even fresh fuel - A 40 year old DSC gives away	will take 73 to 80 years and will cost 12,5 Bio. Canadian Dollars >>> deep safe repository																									
35 only 1 MW - an fresh, new DSC with waste gives 1,7 MW																									then the over 60 year old	
36 DBHD can take up to 2,83 MW - Canada can build the																									building problem is solved	
10 DBHD required one after the other - or 2x 5 parallel	2019	2029	2030	2036	2037	2043	2044	2050	2051	2057	2058	2064	2065	2071	2072	2078	2079	2085	2086	2092					storing DSCs from :	
No Sign - Nothing - Beginning of forgetting																									Ontario Power Generation	
																									Bruce Power	
																									New Brunswick Power	
Realistic Planning- and Building times that are possible	Draft :	Dipl.-Ing. Volker Goebel										" Original File "										DBHD 1.4.1 Canada nucl. repository	With best regards			