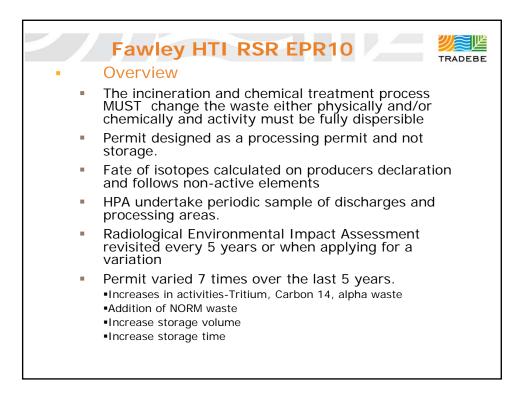






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HTI EPR10 Accumula	tion Limits	
• Volume:	240m ³	
Time:	90 Days	
 Activity: Carbon-14 Tritium Iodine-125, iodine-131, Phosphorus-32 & Sulphur-35 Other beta/gamma wastes Alpha emitters 	1.6 TBq 4 TBq } 2 GBq } 1 GBq 40 MBq	
 U-238, U-235, Th-232 (total) Ra-226, Po-210, Pb-210 (each) Ra-228, Ac-228, Th228 (each) Limits are designed to keep under REP 	18 MBq 250 MBq 150 MBq PIR limits	

HTI EPR10 Disposal Limits				
Volume:	No Limit			
 Activity: 				
– Carbon-14	1000 GBq/Month			
– Tritium	2000 GBq/Month			
 – Iodine-125, iodine-131, 	} 1 GBq/Month			
Phosphorus-32 & Sulphur-35	}			
 Other beta/gamma wastes 	500 MBq/Month			
 Alpha emitters 	40 MBq/Month			
 NORM (per radionuclide) 	2 GBq/Month			
Comprehensive Conditions for Acceptance in place.				

HTI EPR10 Discharg	je Li	mits V	
Gaseous Discharge:			
– Carbon-14		7200 GBq/Year	
– Tritium		4800 GBq/Year	
 Iodine-125, iodine-131, 	}	1200 MBq/Year	
Phosphorus-32 & Sulphur-35	}		
 Other beta/gamma wastes 		600 MBq/Year	
 Alpha emitters 		4.8 MBq/Year	
Aqueous Discharge:			
– Carbon-14	40 GBq/Month		
– Tritium	2000 GBq/Month		
 Iodine-125, iodine-131, 	}	900 MBq/Month	
Phosphorus-32 & Sulphur-35	}		
 Other beta/gamma wastes 		450 MBq/Month	
 Alpha emitters 		500 KBq/Month	
Radiological Impact Assessment is based on maximum discharges, highest dose is Carbon -14 at 20 microsieverts on most sensitive target group			

