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**What's Happening at
Chapelcross**

Mark Blackley, Magnox

Site History



- In WWII (1941) the site was developed as RAF Annan, an airfield principally used as a training base for fighter pilots, air gunnery and tactical bombing until 1944.
- Chapelcross Magnox Power station was built between 1956 and 1959 with four reactors built parallel to one of the former RAF runways.
- Later on UKAEA carried out graphite research in one building on the site (Graphite Handling), a store for depleted uranium was built in 1977, and a tritium production facility called the Chapelcross Processing Plant (CXPP) operated on the site from 1980 until 2005.
- Chapelcross Power Station ceased generation in 2004 and is verified fuel free.



Site Description



- NDA Landholding is 187 hectares
- Nuclear Licensed Site is 96 hectares
- Nuclear Generation
- Chapelcross Process Plant (CXPP)
- Store building for drummed MDU
- Graphite Handling building
- Effluent Line



Site Lifecycle Dates

Phase	Start	End
Construction	1955	1959
Generation	1959	2004
Defuelling	2009	2013
Care & Maintenance Preps	2008	2025
Care & Maintenance	2025	2089
Final Site Clearance	2089	2095



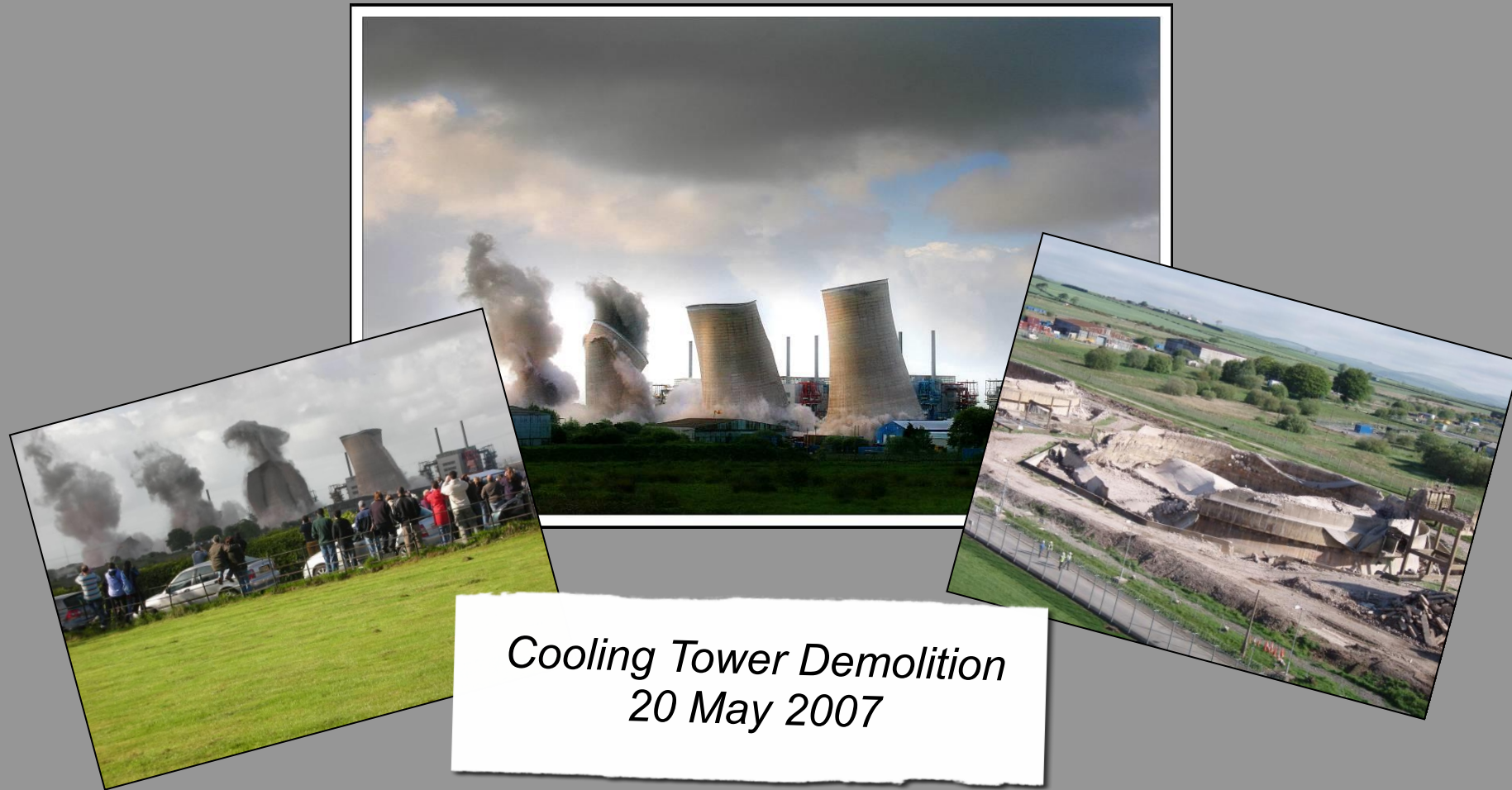
What's been achieved so far....



Fuel Route Transition
Project



What's been achieved so far....



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What's been achieved so far....



*Magnox Depleted Uranium
Repackage and Dispatch*



What's been achieved so far....



Effluent Line Slip Lining Project



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What's been achieved so far....



Electrical Overlay System & Building Connections



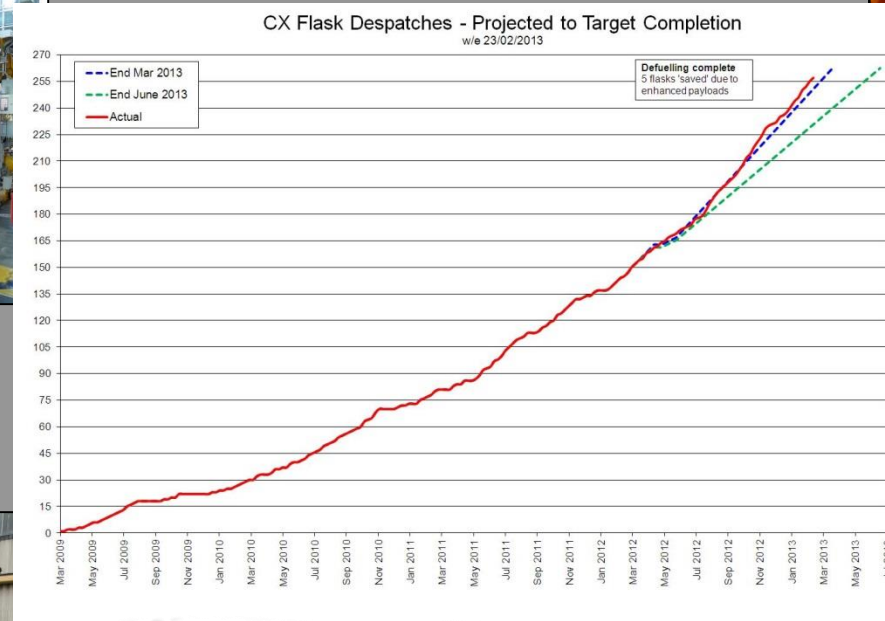
What's been achieved so far....



ILW Stainless Steel Shipments Complete



What's been achieved so far....



Reactor Defuelling & Verification Complete



What's been achieved so far....



Bulk Asbestos Removal



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What's been achieved so far....

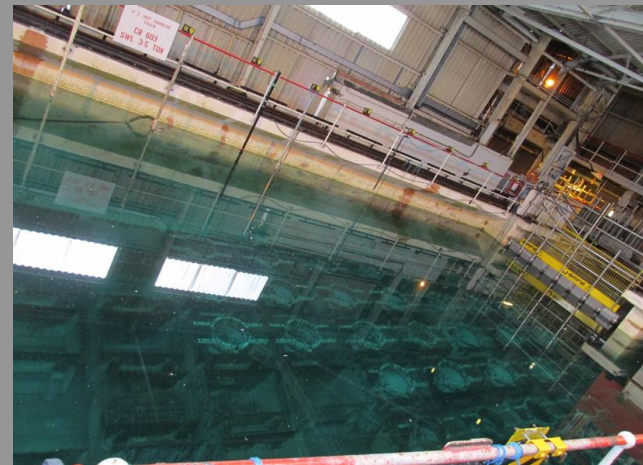
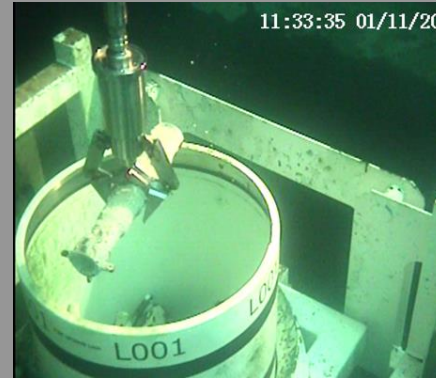


Heat Exchanger Deplanting



What's been achieved so far....

Pond MAC & Cobalt



What's been achieved so far....



*Interim Storage Facility
Construction*



What's been achieved so far....



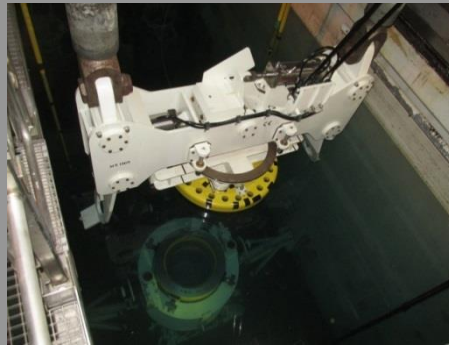
AVDS Plant



What's Still To Do....

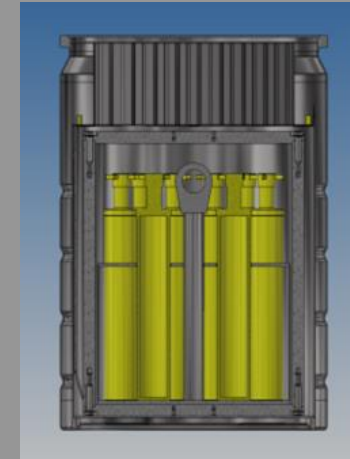


*MAC & Cobalt / Sludge
Retrieval & Drying*



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What's Still To Do....

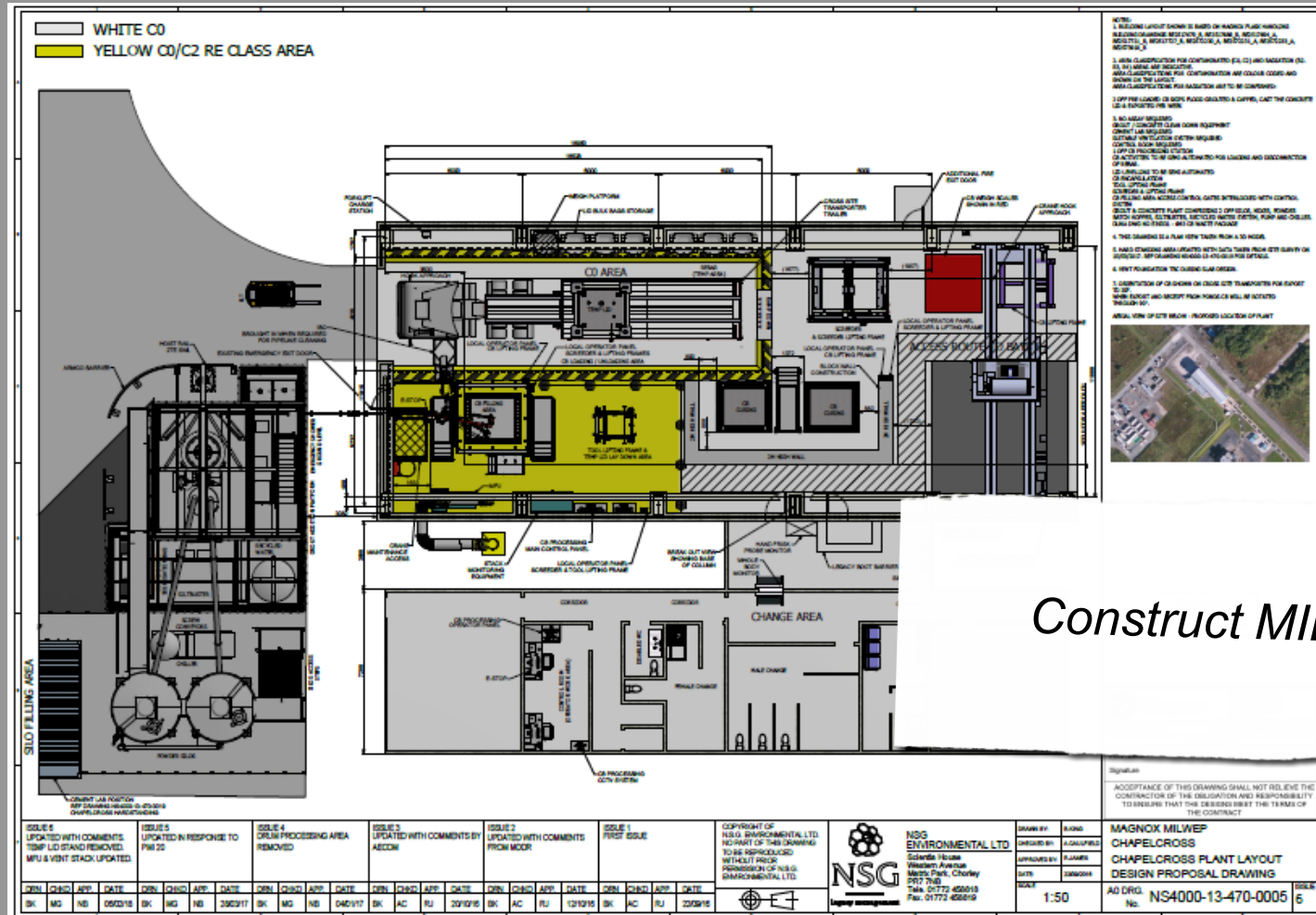


*Dismantle CXPP &
Package ILW*

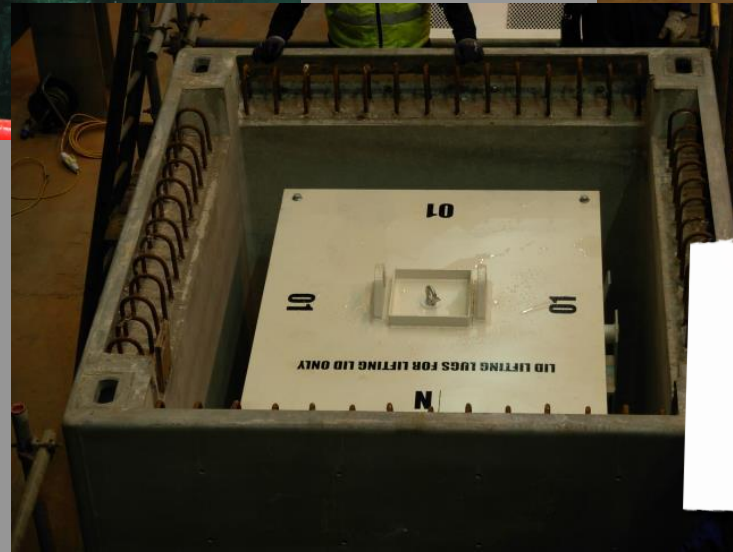
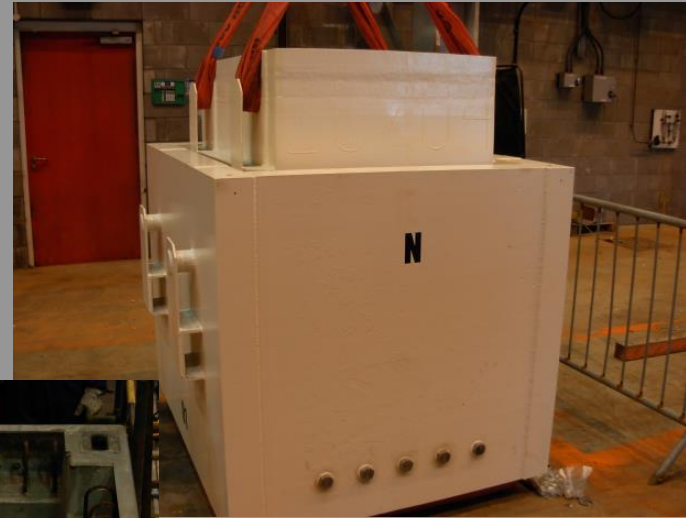
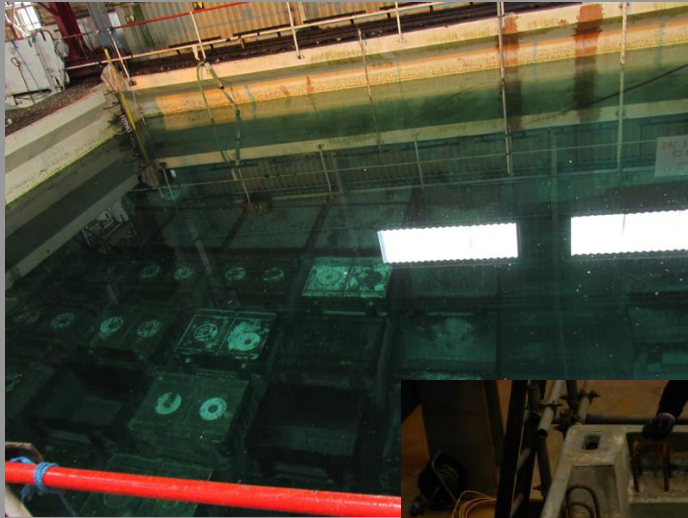


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What's Still To Do....



What's Still To Do....

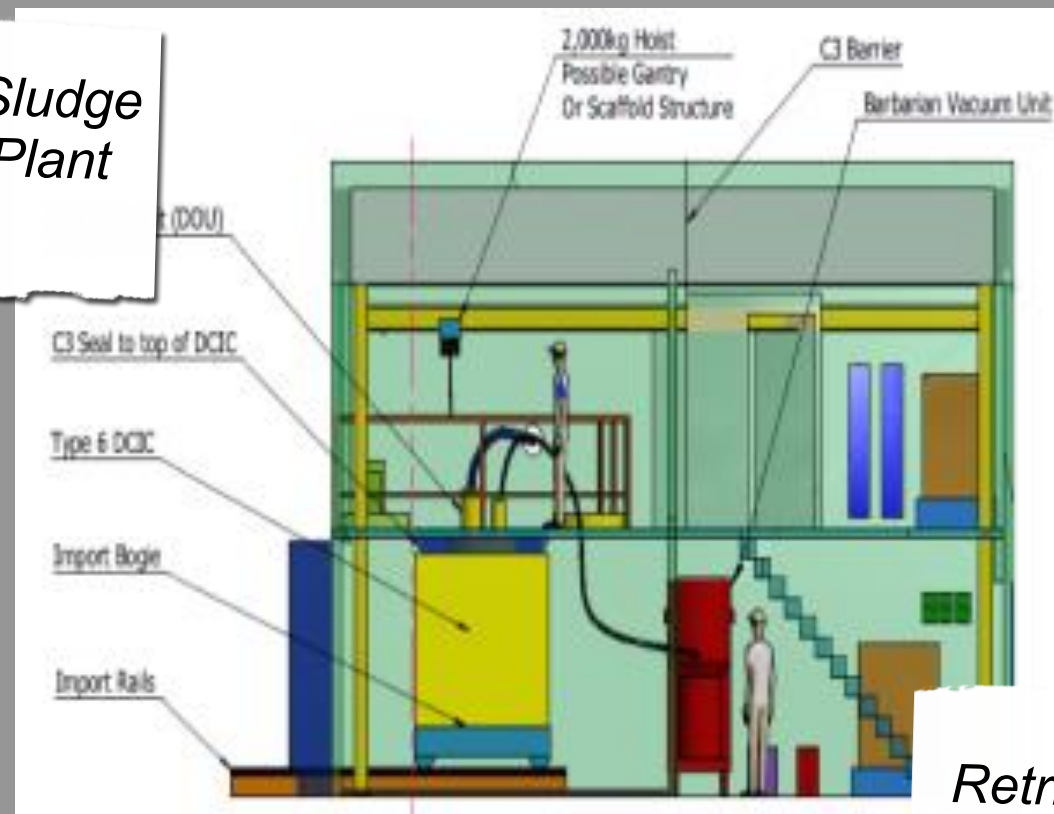


*Zeolite & ILW Skips
Retrieval & Encapsulation*



What's Still To Do....

Construct Sludge Retrieval Plant



Retrieve & Dry Sludge from the Pond

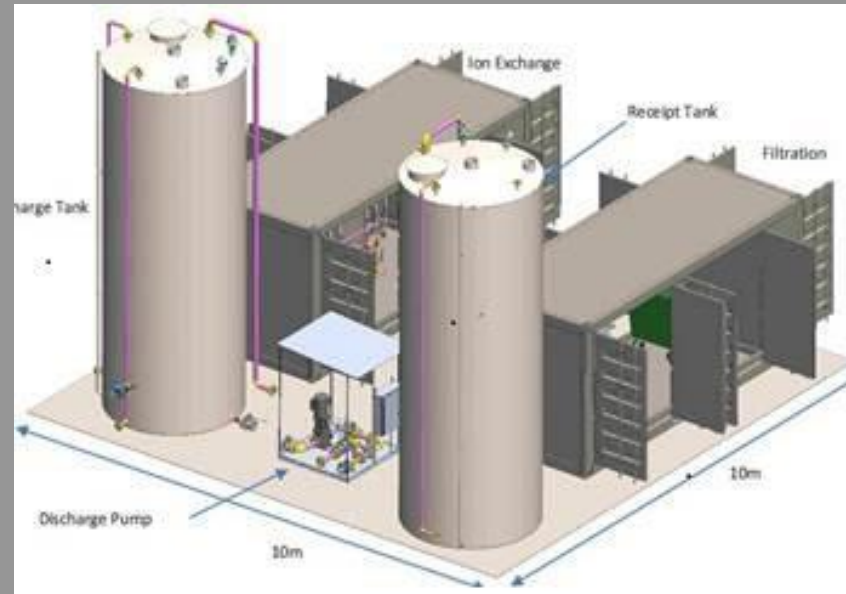


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What's Still To Do....



*Construct MAETP & Drain
Pond*



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What's Still To Do....

- Prepare buildings for Reactors & CXPP for C&M
- Demolition of other non-ISB and ISB Buildings
- Effluent Line removal



Questions....



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