



Magnox

Sizewell A report to SSG

Peter Montague – Closure Director

December 2016

# Safety and compliance

- Safety and compliance has continued to be good.
- No injuries on Site for 20 months
- No personal contamination events
- No environmental events, but did not meet our schedule for returning some equipment to service.



# Sizewell Radioactive discharges summary

## Sizewell A Discharges

Both aqueous and gaseous discharges from Sizewell A represent a small percentage of the weekly, quarterly and annual limits set within the Site's Permit as detailed in the tables below.

Gaseous discharge totals are all less than 1% of the permitted limits for both Tritium and Carbon-14. Only two aqueous discharges have been completed over the past quarter with a total volume discharged of 296.1m<sup>3</sup>. The activity of these discharges was low compared with the quarterly notification level and annual limit for Tritium, Caesium-137 and other radionuclides respectively.

Gaseous Discharge Totals for Station (at 31/08/2016)	Tritium (GBq)	Carbon 14 (GBq)
Total in last three months	3.64	0.21
Quarterly Notification Level	800.00	30.00
Percentage of QNL	0.46%	0.71%
Total in last twelve months	14.36	0.90
Annual Limit	3500.00	100.00
Percentage of Annual Limit	0.41%	0.90%
Maximum weekly total this quarter	0.38	N/A
Weekly Advisory Level	300.00	N/A
% of Weekly Advisory Level	0.13%	N/A

Liquid Discharge Totals for Station (at 31/08/2016)	Tritium (GBq)	Other (GBq)	Caesium-137 (GBq)
Total in last three months	3.29	10.63	6.97
Quarterly Notification Level	N/A	150.00	175.00
Percentage of QNL	N/A	7.09%	3.98%
Total in last twelve months	13.31	41.83	34.39
Annual Limit	5000.00	700.00	1000.00
Percentage of Annual Limit	0.27%	5.98%	3.44%

# Lifetime Plan

- The care and maintenance closure date for Sizewell remains April 2027.
- Magnox are currently reviewing the NDA funding profile against the LTP, this may require some changes, no decisions have been made.
- SZA and the SE region SZA, BRD & DNA are all progressing further savings as a region.
- The SZA Magnox workforce is now 180, there will be continual reduction in numbers as we progress our C&M preparations.

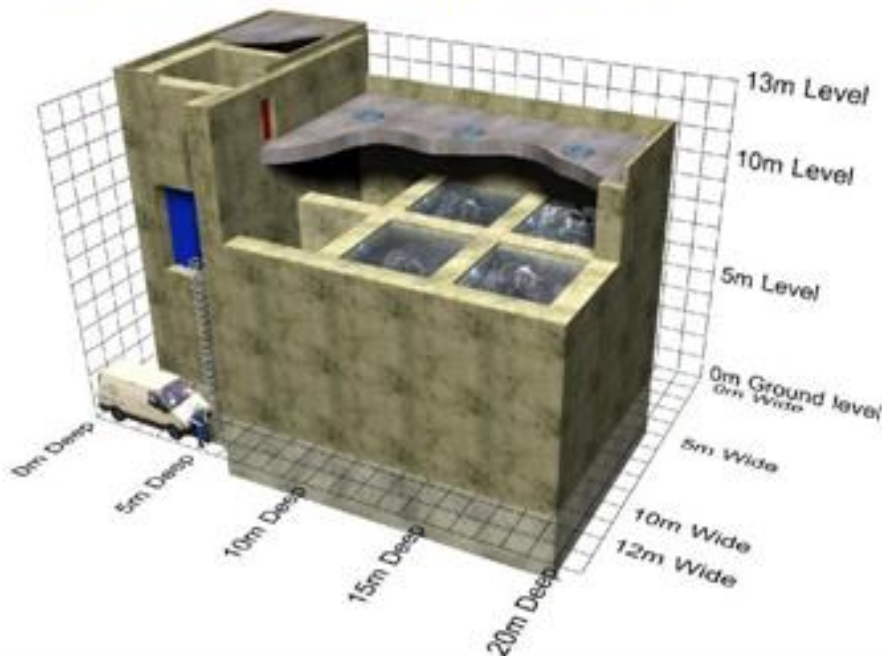
# Projects Programme

- The Ponds Programme continues to prepare for decommissioning. Divers will be used at Dungeness first and then arrive at Sizewell in August '17
- The Waste Programme is now established and is preparing for waste retrieval. A containment is required to be designed and built to safely access the FED vaults



# Waste Programme

## FED Retrieval scope L27601



The FED is stored above ground in concrete vaults.

Vaults:

2 – 126m<sup>3</sup> / 89 te  
3 – 144m<sup>3</sup> / 102 te  
4 – 20m<sup>3</sup> / 14 te

Total – 290m<sup>3</sup> / 205 te

LC35 Milestones

LC35.04 – Complete active commissioning of retrieval equipment - 05/07/2019

LC35.05 – All solid operational ILW retrieved and passivated ready for disposal - 14/09/2023



Official - Commercial

1

# Asset Care Projects

- Abseiling teams on the reactor building repaired the cladding.
- A new access point for the reactor building with state of the art personal contamination monitors is now in use.
- Several roofs have been repaired to prevent water ingress and protect internal equipment and structures and prevent asbestos lagging degrading.
- Redundant diesel stacks found to be badly corroded and have been tied into building pending ultimate removal.
- Pedestrian bridge has been reinforced following severe corrosion being identified, expect to be removed in March

# Off shore structure





# Socio-economics

- Magnox Socio-economic scheme, managed on behalf of the NDA. Annual funding portfolio of up to £1million across the 12 Magnox sites.
- Three levels of funding available:
  - Up to £1,000 for small projects neighbouring Magnox sites
  - Up to £10,000 capital expenditure towards a sustainable project
  - Over £10,000 to support large projects that help towards mitigating the impact of decommissioning

# Sizewell successful applications 2016-17 (up to 01/12/16):

- £3,261 under Good Neighbour:
  - PhotoEast £1,000 (Historical Photographic exhibition)
  - Ransomes Sports Football Club £446 (Football Kit)
  - Kyson School, Woodbridge £315 (wheeled outside play-kitchen and raised bed),
  - Shining Stars Nursery £1,000 (equipment)
  - Sizewell & Knodishall Youth Football Club £500 (u/11's Football Kit)
- £6,000 allocated to each site - £2,739 available for Sizewell area before end of Feb 2017 under Good Neighbour

# Thank you

- Any questions?