

Devonport Local Liaison Committee (LLC) 25 July 2024



ONE

DEVONPORT
Domestics



Purpose and Agenda

1. Chair's Opening Remarks
2. Minutes of Last Meeting
3. Action Updates and Matters Arising
4. Devonport Site Safety & Operational Updates
5. Questions From Committee and Public (1)
6. Plymouth City Council (PCC) Matters
7. Regulators' Reports
8. Questions from Committee and Public (2)
9. AOB / Date Of Next Meeting
10. Chair's Closing Remarks & Review of Actions



Reports and Documents on Table

- Agenda
- Minutes of Local Liaison Committee 8 Feb 2024
- Copy of all presentation slides for this meeting
- Office for Nuclear Regulation LLC report
- Defence Nuclear Safety Regulator LLC report
- Environment Agency LLC report
- Plymouth City Council LLC report

1. Opening Remarks

Busy & Safe – ongoing investment in Devonport whilst delivering operational capability to the Fleet.

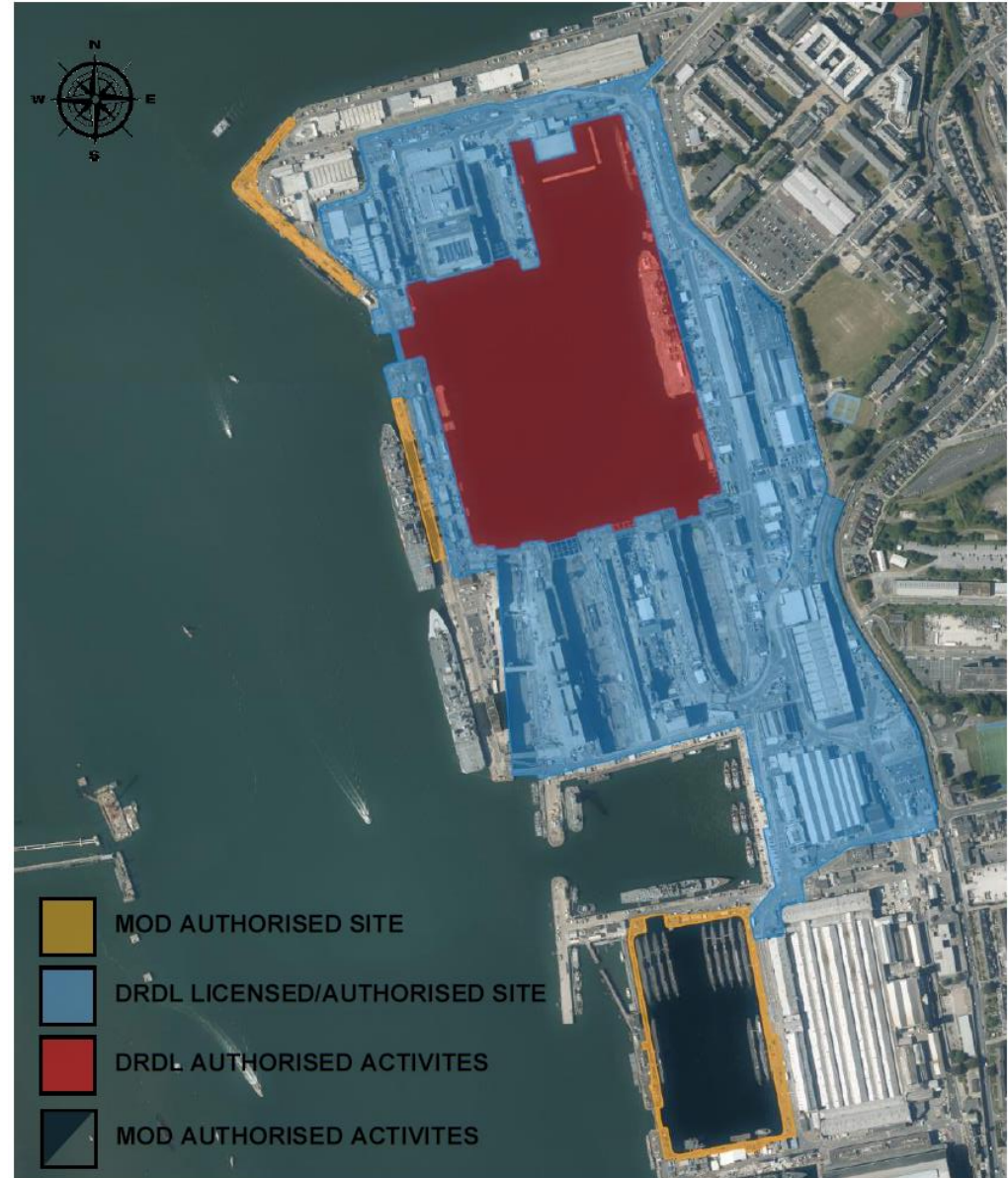
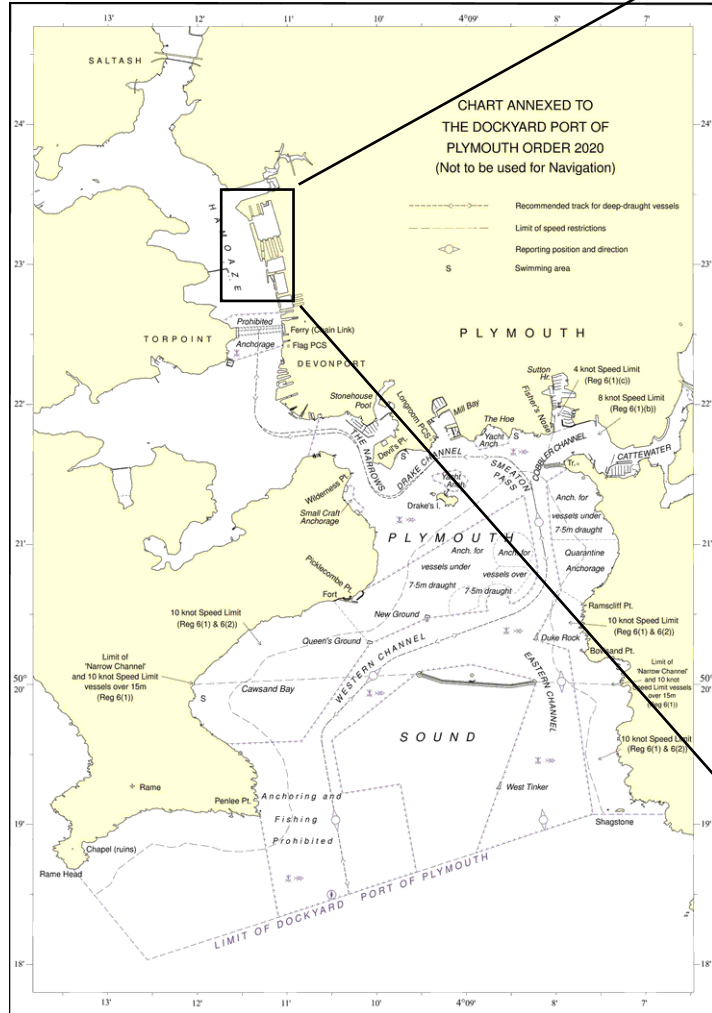
2. Minutes of Last Meeting – 8 Feb 2024

Comments / amendments

3. Action Updates

Number	Action
MOD 01/24	<p>A written question was submitted by a member of public to the Chair who will provide a written response.</p> <p>Written response provided by NBC(D)</p>

The Devonport Site



4. Devonport Site Safety & Operational Updates

- Operational update
- Nuclear / radiological safety
- Environmental safety

Naval Base Nuclear Operations

- T Class Submarines
 - One submarine continues long term berthing preparations
 - One submarine in service
- A Class Submarines
 - Base Maintenance Period underway
- Laid Up Submarines
 - Progressing work to prepare first submarine for defueling



Babcock Update – Submarines

- Vanguard Class submarine is currently progressing through its Deep Maintenance Period at Devonport.
- Planning for further A-Class Submarine maintenance periods in 2025.
- One additional Trafalgar Class submarine is in its final stages of long term berthing preparations.



Babcock Update – Current Operations

- T23 Frigate – Multiple Surface Ship platforms in various stages of refit
- Amphibious platform remains in dock undergoing maintenance
- Fleet Time engineering supporting platforms for operational priorities



Babcock Site Events

- Babcock have reported 5 INF1 / DINF1 to the Regulator during this period.
- All events were rated at INES Scale 0 (below INES scale).

(Note: Events rated as INES 0 are events without safety significance)

(INES – International Nuclear and Radiological Event Scale)

(INF1 – Incident Notification Form)

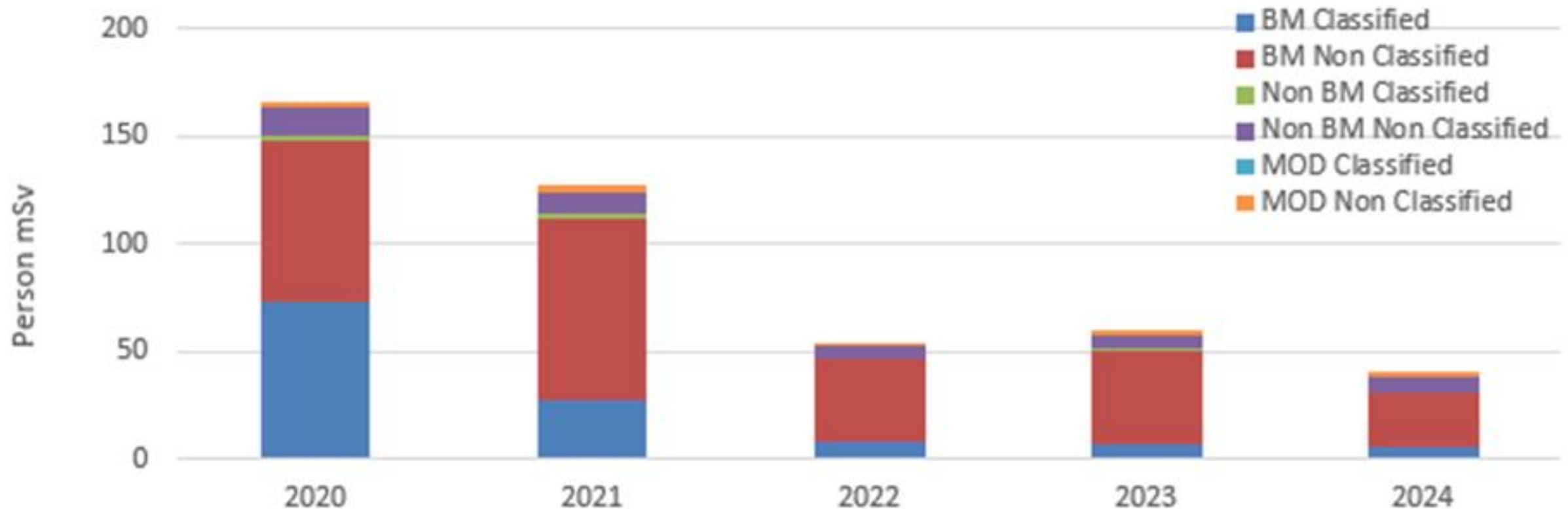
HMNB(D) Site Events

- No INES events in the last 12 months.
 - All events were rated at INES Scale 0 (below INES scale).
- Two events to note:
 - Increased pressure monitoring on a LUSM platform identified a high plant pressure. – Breach of Operating Rule.
 - Trial planned to better understand root cause.
 - Administration to enable trial is in final aspect of due process.
 - SSN departure – Fishing Vessel breached moving exclusion zone - Breach of Operating Rule.

Emergency Arrangements

- Enacted the site's Emergency Response arrangements during the Keyham bomb incident to assist with the management of the incident (Feb 2024).
- Conducted a Transport Emergency Plan exercise (April 2024).
- Conducted Technical specific site exercise (May 2024).
- Completed a full review and reissue of the site's Nuclear Safety Orders.
- Commenced planning of the Annual demonstration exercise (October 2024).

Devonport Site – Collective Dose (person mSv)

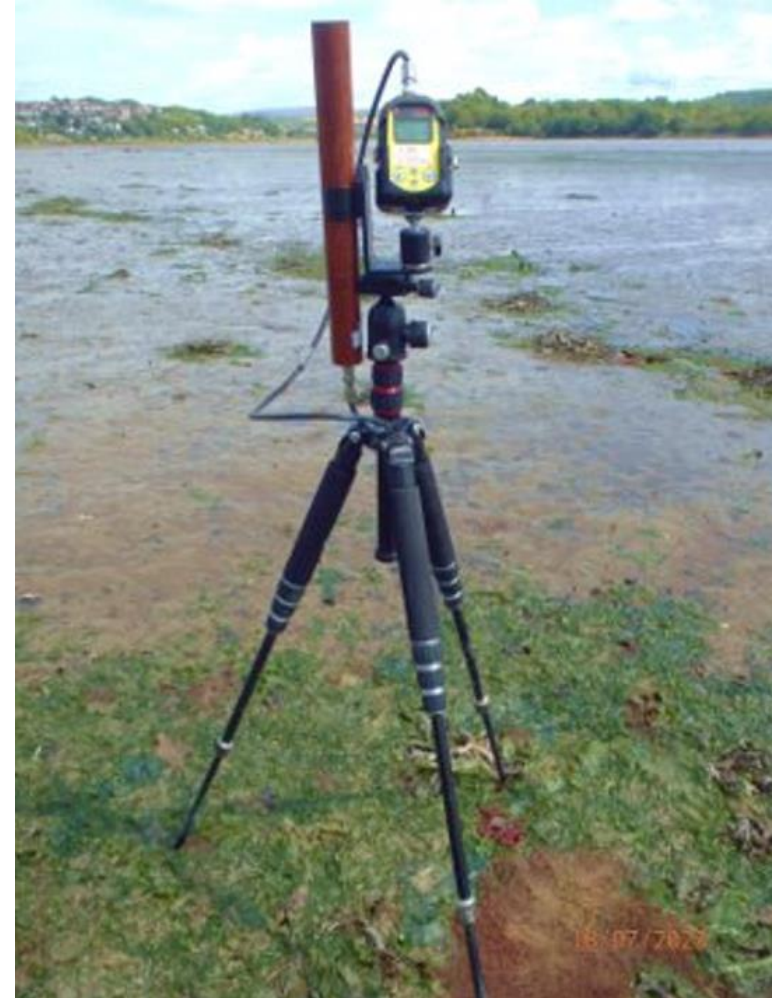


Radioactive Waste Discharge Summary

		2019	2020	2021	2022	2023	2024	Limit
Aqueous Discharges to Tamar	Tritium (MBq)	5,000	8,000	11,000	2,390	2,900	2,144	700,000
	Co-60 (MBq)	2	2	1	1	1	0.3	800
	C-14 (MBq)	30	20	30	8	6	5	1,700
	Others (MBq)	3	5	3	1	3	3	300
Aqueous to Sewer	Tritium (MBq)	40	14	8	6	5	1	2,000
	Co-60 (MBq)	2	2	1	1	0.8	0.3	350
	Others (MBq)	62	43	32	10	11	3	650
Gaseous	Tritium (MBq)	1,730	842	100	80	80		4,000
	C-14 (MBq)	250	200	170	140	120	Not	66,000
	Ar-41 (MBq)	5	9	2	0.00	101	yet	15,000
	Beta Particulate (MBq)	0.02	0.02	0.01	0.02	0.02	available	0.3

Marine Environmental Monitoring Sampling Results - 2024

- Samples taken regularly from numerous sites in the local area.
- Analysis of 2024 samples (Jan & Apr) shows:
 - No cobalt-60
 - Low levels of tritium and carbon-14
 - Low levels of other nuclides
- No significant radiological hazard.



Environmental Impact

- Radiation dose to 'representative person' calculated each year

	Radiation Dose (mSv)
Legal limit for workers	20
Legal limit for public	1
Public from Devonport Site	< 0.003
Eating 100g Brazil nuts	0.01
Dental X-Ray	0.001 – 0.01



Devonport Site Update – Summary

- The health and safety of our workforce and the general public remains the highest priority for both MOD and Babcock.
- Nuclear submarine activities continue to be undertaken safely as planned.
- The independent site Regulators continue to maintain a strong presence.
- Environmental monitoring continues to show no significant radiological hazard as a result of activities on the site.



5. Questions & Answer Session 1

Questions from the Local Liaison Committee
members

then

Questions from members of the public
attending the Local Liaison Committee.

6. Plymouth City Council



Julian Settrington
Civil Protection Officer

7. External Nuclear Regulators

- Office for Nuclear Regulation (ONR)
- Defence Nuclear Safety Regulator (DNSR)
- Environment Agency (EA)





Devonport Local Liaison Committee Meeting – July 2024

Oliver Hayes – ONR Principal Inspector



Defence
Safety Authority

Devonport Local Liaison Committee Meeting – July 2024

Verbal Update

Rob McCann – DNSR Inspector Reactor Maintenance



Ministry
of Defence

Devonport Local Liaison Committee Meeting – July 2024

Verbal Update

Jane Longman

8. Questions & Answer Session 2

Questions from the Local Liaison Committee
members

then

Questions from members of the public
attending the Local Liaison Committee.

9. Any Other Business

Date of next meeting: TBC

10. Review of Actions & Chair's Closing Remarks

