

**VULCAN NRTE Report to the DSG – 29 October 2018****Health and Safety**

A roadshow is scheduled for HSE week 22-27<sup>th</sup> October and will include the following topics:

- Lifting operations and Work at height (including risk management)
- Safe driving
- Good housekeeping
- Behavioural safety

During the reporting period, the following incidents occurred:

- 1x medical treatment case when a dog handler received superficial bruising and cut from a dog bite.
- 1x Lost Time Injury (LTI) reported in May when an individual experienced leg pain whilst moving a laundry basket.

**Environment**

In September during the commissioning of a temporary site-heating boiler, the site steam and condensate system was flushed in an open loop configuration resulting in a higher quantity of distilled water than the regulator allows being discharged from Vulcan into the sea. The flushing took place over a five-day period (Thursday 6 September to Monday 10 September 2018); a discharge of the distilled water was made through the condensate line. The flushing process ceased as soon as the procedural error was identified, the boiler was switched off and SEPA has been engaged over the breach of the site registration. It has been agreed that, in future, all similar planned flushing requirements must be alerted to SEPA in order to agree potential necessary temporary increases in discharge limits to the current site registration threshold.

**Radioactive Waste Disposal**

At the end of September 2018, the annual rolling discharge (expressed as a percentage against the maximum detailed in the SEPA letter of agreement) was:

	Type	Percentage
<b>Gaseous</b>	Noble Gases	0.1%
	Other radionuclides not specifically listed, taken together.	23.5%
<b>Liquid</b>	All other radionuclides not specifically listed, taken together.	1.9 %
	Tritium	0.1%
<b>Solid</b>	Other Radionuclides	0%

## **Shore Test Facility Programme**

The Shore Test Facility reactor was shut down for the final time on 21<sup>st</sup> July 2015. Preparations are being progressed to complete defuel.

Since the last meeting no Events have occurred that required reporting to ONR in accordance with their mandatory reporting criteria.

## **Inspection / Audit Programme**

The table below outlines the currently planned external audits for the next 6 months:

<b>Year</b>	<b>Month</b>	<b>Auditor</b>	<b>Audit/Subject</b>
2018	October	DNSR	Level 3 Regulatory Interface Forum
2018	November	SEPA	Liquid Waste Inspection
2019	January	DNSR	Fuel Management Operational Readiness Inspection
2019	March	DNSR	Themed Compliance Inspection – Waste Management and Storage

## **Vulcan Defuel and Decommissioning Programme**

The Vulcan Defuel and Decommissioning (VDAD) Project is currently focussed on detailed planning and the approvals required for defuel and fuel management activities that will continue on the site until 2022. The VDAD Project team are also working with the Nuclear Decommissioning Authority (NDA) to assess the options for decommissioning of the site after 2022.

S Southwood  
Commander Royal Navy  
Naval Superintendent Vulcan