

To : See Distribution List
From : Xolani Maseti
Date : 16-December-2020
Subject : **Executive Summary** - Level 2 Table top– Gooseneck Pipeline Table top exercise

Ladies and Gentlemen:

A planned Level-2 Table top exercise on the Gooseneck Pipeline Table top exercise was conducted on the 06-August-2019.

While discharging VLSFO (Very Low Sulphur Fuel Oil) to JBS at a rate of 250 m³/h from a Tanker Vessel at Tanker Basin 2 via the 10" line' high winds started shifting the Tanker Vessel causing it to move out of the MLA (Marine Loading Arm) operating range. The MLA moving out of range and alarms sounding went un-noticed to the Quayside operator. Due to the ERC (Emergency Release Coupler) malfunctioning and not releasing as per design it leads to a release of ± 20 m³ to the sea water. This was witnessed by the Seamen on duty at the time who activated the emergency Tanker Vessel pump stop. The Quayside operator was informed and requested to close the valve to the MLA. The operator at JBS was informed and requested to close the receiving tank inlet valve.

The operator reported to the refinery supervisor who in turn reported the incident the RSL and fire department.

The RSL and Fire department activated the emergency response protocol to address the incident.

The following objectives were tested as per the Table-top exercise planning document

- How the Quayside operator reported the incident? (TNPA and B&S)
- How TNPA Fire Department fixed firefighting system and clarification of roles between TNPA fire and Spill-tech.
- How will Astron fire department gain access to TNPA Security Department?
- How Spill-tech is reported of the incident?
- Spill-tech oil recovery and capacity
- Efficiency in the use of equipment (Employee's knowledge)
- Communication (Astronenergy and Spill-tech)

The exercise reflected the following **positive** aspects:

1. The exercise tested all the planned objectives.
2. The Incident Commander quickly familiarised himself and took charge of the incident.
3. The Mutual Aid partners responded to the call.
4. The invited guests were summoned to the Skype Meeting via e-mail notification and responded (with the exception of two).

Although the objectives that were identified for the exercise were achieved, feedback received from the respective participants and observers highlighted the following as **significant concerns**.

1. Chief Fire Officer to start and lead a process of badging fire personnel with (TNPA security badge).
2. Not all invited responded to the Skype Meeting.
3. Spill-tech to furnish/ forward SOP/ response procedure which can be used during practical exercise for V&V. (Nick)
4. Clarity on functions, roles and responsibilities and notification of key role players. (Chief Fire Officer).

This summary should be read in conjunction with the detailed feedback report to obtain a comprehensive understanding of the exercise findings. The detailed feedback report will follow within two weeks.

Enkosi

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