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Transnet Pipelines Fire incident July 2019



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BLOCK VALVE FIRE INCIDENT

- INCIDENT DATE: 22/07/2019, 02AM
- INCIDENT LOCATION: Pipeline between Standerton and Secunda.
- PRODUCT INVOLVED: Jet Fuel
- INCIDENT DESCRIPTION: Fire stated at TPL remote block valve between Standerton and Secunda road, resulting into jet fuel , unknown volume burned/spilled, equipment damage and unknown road tanker burned beyond repair.
- ROOT CAUSE: Product Theft
- POTENTIAL IGNITION SOURCE: Static, no evidence of bonding was found.



General fact gained.

- Product theft has **INCREASED** in the last two years, with TPL having approx 6 block valves incidents to date and two at the depot.
- TPL is National Key Point, theft is state security worrying concern.
- It is the first fire incident experienced during theft on a pipeline infrastructure.

Fact related to recent incident:

- Pipeline was not operational for over 10years.
- Large product volumes spilled to the ground, cause large ground pollution and underground fires.
- Road tanker owner is unknown, no site evidence could be found by ordinary employees, Forensics investigation in progress.
- No injuries.
- Discharge valve used for product was found closed.
- Underground fires still burn till today.

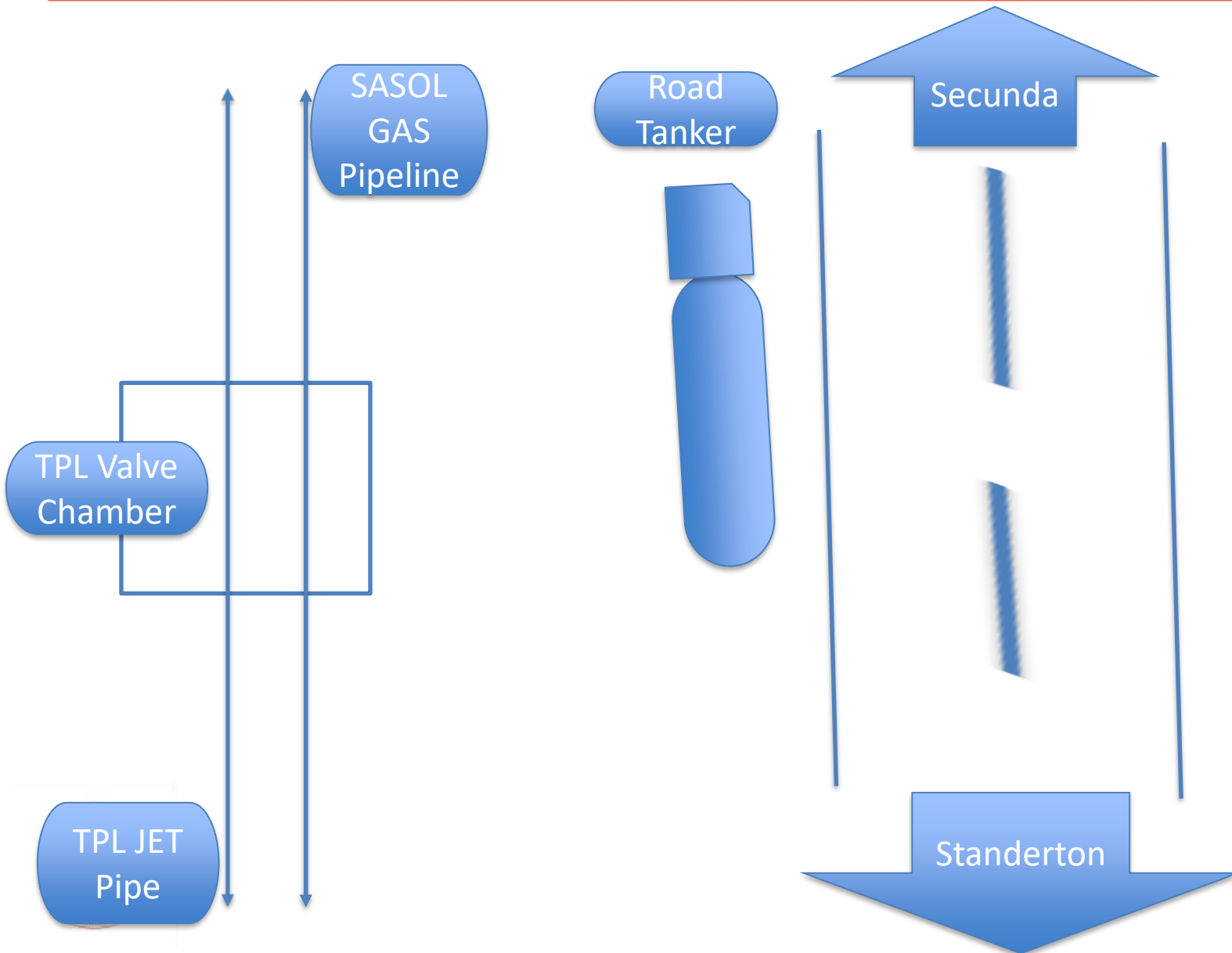


INCIDENT SCENE

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BLOCK VALVE FIRE

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ROAD TANKER AFTER FIRE

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SAFE EMERGENCY RESPONSE, TAKING NOTE OF THE FOLLOWING KEY CRIME SCENE REQUIREMENTS.

- IMS- Incident Management System execution
- Evidence Considerations at Crime Scenes (Protect, safe guard or preserve)
- Personal Risk Reduction (Don't get involved if not sure)
- Handling Violent Situations (Request Law enforcement support)
- Personal Safety Techniques (How to handle crime situation without compromising safety of your team)
- Incident Handling(Mitigation)
- Respond General Observations on way to scene Mental Notes
Anything out of place ? Firefighter Safety is #1





SAFE EMERGENCY RESPONSE, TAKING NOTE OF THE FOLLOWING KEY CRIME SCENE REQUIREMENTS. cont

- Stay in contact with dispatch, Communication maybe a problem
- Ask assistance limit access
- Secure Attendance Log and anyone past/present Maintain until Law Enforcement arrives, then turn over to Law Enforcement. Include in log Names Dates Agency Time entered Time exited Reason entered
- Be aware you may have to justify your actions to Law Enforcement after the fact.
- Every team should develop methods of alerting other providers of danger without alerting the aggressor.



THINGS TO CONSIDER FOR EXTERNAL EMERGENCY RESPONSE PLANS TO CRIME SCENE.

- Possible legal liability
- Personnel Insurance
- Employee awareness
- Training
- Mutual agreement
- Personnel safety
- EMS- Delegation of Authority: Management Support
- Self protection(Own emergency response coverage)
- Emergency Response Plans- Covering possible crime incident protocol
- Contractual obligations



Thank You