

No: IGS 225

## Infrastructure Group Environment Bulletin

### Secondary Supply Diesel Generators

This bulletin is for the attention of all staff responsible for the use of diesel generators intended to be supplied from a separate fuel tank.

There was recently a fuel spill on an IP site where a quantity of diesel was discharged from a generator with a separate fuel tank. The spill required an extensive clean up operation involving the removal and remediation of over 100 tonnes of contaminated material.

Investigations have determined that the valve arrangement allowed for the flow and return valves to be set in opposing positions. This setup should have been subjected to an arrestor type modification by the hire company which would have prevented the supply tank continuing to pump fuel when the receiving tank was full.



#### Actions required:

- All generators, associated feed tanks and bunds should be subject to a documented inspection regime. This inspection should include checking the integrity of all hoses, fittings and the correct functioning of the block valve.
- Appropriate pollution prevention and control plans need to be in place which includes a drainage plan where appropriate.
- A risk assessment should be undertaken in relation to the positioning of generators and fuel tanks.
- Where practicable a high-level of containment should be provided to include the fuel tank and generator within a single bunded area.

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