



# FIRST ALERT

9 October 2025

## Hydrogen gas leak detected - Haywards Synchronous Condenser 9

- After Haywards Synchronous Condenser 9 was filled with gas, a low-pressure alarm was triggered by a sensor monitoring the hydrogen pressure inside the condenser. Initial investigations indicate that the leak may have been present since 23<sup>rd</sup> September and was due to a loose Swagelok fitting on valve V32 associated with Kathrometer K2.
- Hydrogen has a very wide explosive range when mixed with air. The hydrogen leak inside the enclosed panel likely created an explosive environment, presenting a risk to people, either from ignition inside the panel itself or when the panel is opened and the hydrogen-air mixture escapes into the surrounding environment where potential ignition sources exist.



### Immediate actions

- Swagelok fitting was tightened to stop leak, and machine was topped up.
- Daily monitoring to check no further leaks.
- Investigation initiated.

### For more information, please contact:

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