

**Air Products (BR) Limited**  
Queensway, Spencer Works,  
Llanwern, Newport,  
South Wales  
NP19 4QX

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30<sup>th</sup> January 2017.

Natural Resources Wales  
Rivers House  
St Mellons Business Park  
St Mellons  
Cardiff  
CF3 0EY

Attention: Mr Tony Leakey.

Re IPPC Permit number BL 2459.

Dear Mr Leakey.

Please find enclosed:

Fugitive Emissions report for year ending 31<sup>st</sup> January 2017.

Yours sincerely



T C Ryan  
Plant Manager

	<b>HYDROGEN PLANT LLANWERN FACILITY</b>	<b>PAGE 1 of 1</b>
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## Fugitive Emissions Summary Report

Fugitive Emissions – Report Summary for year ending: January 2017

<b>Operator</b>	<b>Air Products (BR) Ltd</b>
<b>Location</b>	<b>Hydrogen Plant, Llanwern</b>
<b>Permit Number</b>	<b>BL2459</b>

1. No leaks from Hydrogen plant or associated equipment noted. The PSA valves have been fitted with self-adjusting valve packings, these stop any small valve packing stem leaks from occurring. A plant walk around and leak detect is carried out on a Friday when the plant weekly logs are taken, a 4 in 1 gas detector is used to detect any leaks which are then repaired as necessary.
2. Plant maintenance system in place for observation and rectification as required
3. Plant shut down completed July 2016.  
Critical circuit testing completed as SAP maintenance programme. The SAP maintenance system schedules the CSS testing. The frequency of these tests and their procedures are set and written by our head office support staff. They are carried out by our central maintenance support staff, who receive the required training to carry out these tasks.  
Maintenance activities as required as SAP maintenance programme.
4. Load following system in use to reduce venting of Hydrogen and steam during normal operation of plant.
5. Advanced computer system installed, December 2007, to further improve monitoring and control of plant and systems, further routines added through 2009. This now supports the KPI visualization tool which allows efficiency monitoring in real time.
6. Customer demand for Hydrogen reduced during 2016, Plant load following between 54 and 100% of rates.

Date of return: 30th January 2017.

**T C Ryan.**  
**Plant Manager**

