

# *Quality Certification for a proposed, new or upgraded CHP Scheme*

**CHPQA Certificate No: P03298090**

**Scheme: DEVONPORT NORTH YARD, MVV UMWELT GMBH  
DEVONPORT ROYAL DOCKYARD  
PLYMOUTH  
DEVON  
PL1 4SG**

**CHPQA Scheme Reference No: 6074 A**

This is to Certify that the Self-Assessment of the above CHP Scheme undertaken by **GERHARD ARNOLD** and based on **Scheme design data** submitted in the calendar year: **2011** has been Validated under the Combined Heat and Power Quality Assurance programme and that:

1. The Total Power Capacity of this Scheme is:	<b>25.000 MWe</b>
and the <b>Qualifying Power Capacity</b> is:	<b>14.186 MWe</b>
2. The threshold Power Efficiency criterion for this Scheme is:	<b>20.00 %</b>
and the projected <b>Power Efficiency</b> under annual operation is:	<b>24.34 %</b>
3. The Max Heat Output under normal operating conditions from this Scheme is:	<b>19.600 MWth</b>
and the projected <b>Heat Efficiency</b> under annual operation is:	<b>10.11 %</b>
4. The threshold Quality Index criterion for this Scheme at Design Specification is:	<b>105</b>
and the projected <b>Quality Index</b> under <b>Annual Operation</b> is:	<b>101.80</b>
and the projected <b>Quality Index</b> under <b>MaxHeat Conditions</b> is:	<b>101.80</b>
5. The threshold Power Efficiency criterion for this Scheme under Initial Operation	<b>20.00 %</b>
and the projected <b>Power Efficiency</b> under Initial Operation is:	<b>24.34 %</b>
6. The Qualifying Heat Output for this Scheme is:	<b>75,450 MWh</b>
and the projected <b>Heat Efficiency</b> under Initial Operation is:	<b>10.11 %</b>
7. The threshold Quality Index criterion for this Scheme under Initial Operation is:	<b>95</b>
and the projected <b>Quality Index</b> under Initial Operation is:	<b>102.19</b>
8. The Total Fuel Input to this Scheme is:	<b>746,615 MWh</b>
and the <b>Qualifying Fuel Input</b> is:	<b>746,615 MWh</b>
9. The projected <b>Total Power Output</b> from this Scheme is:	<b>181,726 MWh</b>
and the <b>Qualifying Power Output</b> is:	<b>181,726 MWh</b>
10. The <b>Commissioning Date</b> for this Scheme is:	<b>01 SEPTEMBER 2014</b>
11. The <b>Technology Type</b> for this Scheme is:	<b>Pass out Condensing Steam Turbine</b>

*This certificate is a statement of performance based on the Scheme design and is valid until 31/12/2011.*

*Approved by the CHPQA Administrator on behalf of DECC. Date: 11 MARCH 2011*

The CHPQA programme is carried out on behalf of the Department of Energy and Climate Change (DECC), in consultation with the Scottish Executive, The National Assembly for Wales, and the Northern Ireland Department of Enterprise, Trade and Investment.

For the purposes of the Climate Change Levy (General) (Amendment) Regulations 2003 only, the QPO limit shall be equal to the actual output of the station multiplied by the following ratio: the Qualifying Power Output referred to at item 9 above over the Total Power Output referred to at item 9 above.