

# BAT-Technical Standards

Report Ref: ITM - EP001 - 012

Submitted to:

Environment Agency

---

In Support of Permit Application Ref:

EPR/HP3640QD/A001 & EPR/AP3225SE/P001

---

Author:

Tegan Pringle , Environmental Manager, ITM Power

---

Date: 14<sup>th</sup> September 2023

---

Date: 14-09-23	ITM Power Confidential	Report Ref: ITM – EP001 - 012	1 of 2
----------------	------------------------	-------------------------------	--------

## 1. Installation Activities

The table below is in support of question 3 from the form Part B3 – New Bespoke Installation Permit.

Installation Name	ITM Power, Unit 2 Bessemer Park			
Description of the schedule 1 activity or directly associated activity	Best available technique documents (BATC, BREF or TGN reference) (see footnote below)	Document reference (If appropriate)		
S4.2 A(1)(c)  Inorganic Chemicals: Production of the catalyst coated membrane (CCM) using in-house formulated precious metal-based ink powders to print onto a non-metal substrate.	<ul style="list-style-type: none"> <li>• Common Wastewater and Waste Gas Treatment/Management Systems in the Chemical Sector (CWW) BREF and associated BAT conclusions (BATc) published 2016</li> <li>• Inorganic Chemicals sector (EPR 4.03) guidance</li> <li>• 2007 European BAT Reference document (BREF) for Production of Speciality Inorganic Chemicals published 2007</li> </ul>	ITM-EP001-018, ITM-EP001-019, ITM-EP001-020		
S4.2 A(1)(c)  Inorganic Chemicals: The process using platinum-based electroplating solution for coating metal sinters.				
S4.2 A(1)(c)  Inorganic Chemicals: The hydrochloric acid chemical milling process for removal of the metal oxide layer from a titanium metal sinter.				