

Port Talbot Steelworks operating techniques

Permit number EPR/BL7108IM

Operating techniques		
Description	Parts	Date Received
Application	The response to question 2.1 given in section B2.1 of the application	31/08/2001
Application	The response to question 2.2 given in section 2.2 of the application	31/08/2001
Application	The response to questions 2.3 given in Section 2.3 of the application	31/08/2001
Application	The response to questions 2.4 given in Section 2.4 of the application	31/08/2001
Application	The response to questions 2.5 given in Section 2.5 of the application	31/08/2001
Application	The response to questions 2.6 given in Section 2.6 of the application The response to questions 2.7 given in Section 2.7 of the application The response to questions 2.8 given in Section 2.8 of the application The response to questions 2.9 given in Section 2.9 of the application The response to questions 2.10 given in Section 2.10 of the application The response to questions 2.11 given in Section 2.11 of the application The response to questions 2.12 given in Section 2.12 of the application	31/08/2001
Additional information	Coke oven desulphurisation information	15/10/2001
Response to the first Schedule 4 Part 1 Notice	Part 2.1 and Part 2.2	17/01/2002
	Part 2.2 (amended by letter dated 13/03/2002)	07/06/2002
	Part 2.4	17/01/2002
	Part 2.4	07/06/2002
	All	31/07/2002
	Part 2.5	17/01/2002
	Part 2.5	07/06/2002
	Part 2.6, 2.7, 2.8, 2.9, 2.10 and 2.11	17/01/2002
	All of the letter dated 31/05/2002	07/06/2002
	Section 2.10	17/05/2002
Response to the second Schedule 4 Part 1 Notice	Part B2.1, B2.3, B2.5 and B2.6, B2.9 and B2.10, B2.11, B2.12	May 2002
Response to the third Schedule 4 Part 1 Notice	BAT Responses 1 to 40 inclusive	02/09/2002
	Part 2.2	02/09/2002
	Responses 41 and 42	02/09/2002
Additional information	SWEB (maintenance) reorganisation	04/12/2002
Additional information	Operation of the Ebner furnaces	29/10/2003
Additional information	New combustion plant details	05/01/2004

Variation Application (Regulation 17 (2) variation)	This application covers the development of the development of the heavy end of the steel works (sinter, blast furnaces, steel, concast and energy plant areas)	17/09/2004
Regulation 16 (1) request	Turbulent Pickling changes	Dated 12/11/04
Schedule 4 Notice response to request for information	The responses to questions 3, 4, 5 and 6	Dated 25/01/2005
Regulation 16 (1) request	Hot mill sludge treatment and trials: use of leachate Hot mill sludge and scrap storage	Dated 25/01/2005
Regulation 16 (1) request	Replacement with lower NOx releases and more efficient furnaces in 2005 and 2006	Dated 23/09/2005
Regulation 16 (1) request	Recovery of coal tar carbon in the coke ovens	Dated 25/11/2005
Regulation 16 (1) request	Phase 2 of the coal injection project	Dated 30/01/2006
Regulation 16 (1) request	Notice for treatment of Ferrous Chloride Solution	Dated 08/02/06
Regulation 16 (1) request	Change to bleeder operations in Morfa Coke Ovens	Dated 22/01/07
Regulation 69(6) request	Reuse of oil from Trostre at Port Talbot	Dated 16/01/2008
Regulation 69(6) request	Proposals to investigate plume sinter visibility	Dated 29/01/08
Regulation 69(6) request	Use of BOS slag to replace limestone in the sinter plant	Dated 2/6/2008
Application	The response to question 2.1 given in section B2.1 of the application	31/08/2001
Regulation 17 (2) variation	BOS gas recovery and other related projects	Effective 9/06/2009
Regulation 69(6) request	Recovery of the carbon content of coal tar solids in the coke ovens	Dated 5/6/2009
Variation application	Part 1 – New Quench Tower Part 2 – BOS Gas recovery Part 3 – Lignite injection on Sinter Plant Part 4 – SO ₂ limits on Sinter Plant	Dated 01/12/2008
Regulation 69(6) request	Laser cladding trial	Dated 5/6/2009
Regulation 69(6) request	Reuse of oil from Llanwern at Port Talbot	Dated 10/7/2009
Regulation 69(6) request	Use of thermal desorber	Dated 25/09/09
Regulation 69(6) request	Coke and coke rail off loading improvements	Dated 26/3/2010
Agency initiated variation		Dated 18/02/2010
Variation application EPR/BL7108IM/V012 April 2012 Version:2	Part 2.8 – Management Systems – TSSPUK Port Talbot Project Management Plan for the Blast Furnace 4 Rebuild Part 3: Operating Techniques – technical standards Part 3.12 – Furnace water systems and other fluid services Part 3.13 – stoves and hot blast system Part 3.15 – Raw material transport and stock house	16/04/2012

	Part 3.2.2 – the evaporative cooling system and preheater Part 3.2.3 – steam system and new turbine, waste gases and waste water Part 3.2.4 – OG ducting / boiler feed water (demineralisation plant) Part 4: techniques – Emissions to air, water and land Appendix D – BF4 Comparison with sector guidance BAT conclusions Part 6.1 – Long sea outfall variation – flow Part 6.2 – Abbey Beach outfall variation – emissions calculation	
Drawing	Referenced CAD 0000000000022 showing the location of emission points on the site plan	Dated 31/08/2001