

Tata Steel UK – Port Talbot Steel Works

Document Reference: Additional information relating to a variation to Permit EPR/BL7108M
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1. Form C3 Q1a (Activities)

Table 1a below includes all the activities included in Schedule 1 of the current permit number EPR/BL7108IM/V017 and indicates whether they should be:

- Retained, as these activities are still operational and will remain operational for the foreseeable future;
- Retained as their future is still subject to further review;
- Immediately removed from the permit, as they have already been decommissioned;
- Temporarily suspended from any requirements under the permit (e.g. emissions monitoring), as they have been mothballed until the electric arc furnace (EAF) is commissioned.

The Cold Mill effluent treatment plant activity has also been included in Table 1a as it is intended to consolidate the separate permit for this activity (permit number EPR/AB3192HQ/T001) into the main permit. This permit was originally issued to Industrial Chemicals Limited in 2016, but was transferred back to Tata Steel on 20th November 2023 – see Appendix 1 for Notice of Transfer (PAN-023284).

Package boilers have also been included in Table 1a as the addition of these to the permit was agreed in June 2024 – see Appendix 2.

At this stage, no new activities are proposed to be added to the permit, as these will be subject to separate variation applications when sufficient detail is available to undertake comprehensive risk assessments and assess each operation against appropriate technical standards.

Table 1a – Types of activities

Installation/ Activity name	Schedule reference	Description of the activity	Remove or Retain?
Power Station boilers: Service Boilers 4 & 5 (A50) Margam A Boiler 5 (A51) Margam C Boiler 6 (A52A) Margam C Boiler 7 (A52B) Mitchell Boiler (A53) Boiler 3 (A62)	Section 1.1 Part A(1)(a)	Burning any fuel in an appliance with a rated thermal input of 50 or more megawatts	Decommissioned – remove from permit
Power Station boilers: (A68) (A69)	Section 1.1 Part A(1)(a)	Burning any fuel in an appliance with a rated thermal input of 50 or more megawatts	Never built – remove from permit
Reheat Furnaces: Furnace A (A34A) Furnace B (A34B)	Section 1.1 Part A(1)(a)	Burning any fuel in an appliance with a rated thermal input of 50 or more megawatts	Retain
Blast Furnace Stoves: BF4 (A6) BF5 (A7)	Section 1.1 Part A(1)(a)	Burning any fuel in an appliance with a rated thermal input of 50 or more megawatts	Decommissioned – remove from permit
Morfa coke ovens and by-products plant	Section 1.2 Part A(1)(a)	Refining gas where this is likely to involve the use of 1,000 or more tonnes of gas in any 12-month period	Decommissioned – remove from permit
Sinter plant	Section 2.1 Part A(1)(a)	Roasting or sintering metal ore, including sulphide ore, or any mixture of iron ore with or without other materials	Decommissioned – remove from permit
Blast Furnaces BF4 BF5	Section 2.1 Part A(1)(b)	Producing, melting or refining iron or steel or any ferrous alloy, including continuous casting	Decommissioned – remove from permit
Steel Plant 2 BOS vessels Secondary steelmaking 3 Continuous casting machines	Section 2.1 Part A(1)(b)	Producing, melting or refining iron or steel or any ferrous alloy, including continuous casting	Decommissioned or mothballed <ul style="list-style-type: none"> • suspend in the case of two secondary steelmaking vessels (CAS2 and RD degasser) and two continuous casters (Caster 1 and Caster 3) • remove from permit in other cases
Hot Rolling Mill	Section 2.1 Part A(1)(c)	Processing ferrous metals and their alloys by using hot-rolling mills with a production capacity of more than 20 tonnes of crude steel per hour	Retain

Iron ore unloading and handling	Section 2.1 Part A(1)(d)	Loading, unloading or otherwise handling or storing more than 500,000 tonnes in total in any 12-month period of iron ore, except in the course of mining operations, or burnt pyrites	Less than 500,000 tonnes iron ore remain in the stockyards – remove from permit
Desulphurisation	Section 2.1 Part B(c)	Desulphurising iron, steel or any ferrous alloy	Decommissioned – remove from permit
Pickle Line	Section 2.3 Part A(1)(a)	Surface treating metals and plastic materials using an electrolytic or chemical process where the aggregated volume of the treatment vats is more than 30m ³	Retain
Coal and coke unloading and handling	Section 3.5 Part B(b)(iii)	Loading or unloading petroleum coke, coal, coke or any other coal product except unloading on retail sale	Retain as some coal and coke still remain on site and will be removed for recovery
Coke oven effluent treatment plant	Section 5.3 Part A(1)(a)(i)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving biological treatment	Decommissioned – remove from permit
Aqueous effluent treatment	Section 5.3 Part A(1)(a)(ii)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment	Retain existing activities and consolidate the Cold Mill effluent treatment plant into the main permit from permit number EPR/AB3192HQ/T001
HAA Waste Transfer Station with Treatment	Section 5.4 Part A(1)(b)(iii)	Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving treatment of slags and ashes	Retain pending further review
Continuous Annealing Process Line (CAPL)	Directly associated activity	Annealing of rolled products	Retain – although this plant is no longer operational, it has not yet been fully decommissioned
Cold Rolling	Directly associated activity	Further rolling of hot rolled coil into lighter gauge cold rolled products for sale or further processing	Retain
Storage of intermediate or waste products	Directly associated activity	Collecting, storing and transport of intermediate and waste products (e.g. reverts and waste oil)	Retain

Refurbish casting assets	Directly associated activity	Removal of solidified steel from casting equipment using welding and burning torches	Mothballed – suspend from permit temporarily
HAA Waste Transfer Station with Treatment (other than treatment of slags and ashes)	Directly associated activity	Recovery or a mix of recovery and disposal of non-hazardous waste involving the treatment of wastes specified in Table S2.4 of the permit for recovery as a soil, soil substitute or aggregate	Retain pending further review
Yard Zero	Directly associated activity	Waste processing activity involving treatment of iron-rich wastes specified in Table S2.5 of the permit for recycling within the steel making process	Retain pending further review
Package boilers (3 MCPs)	Directly associated activity	Steam generation for process steam and heating	Retain

2. Form C3 Q1b (Acceptance of wastes)

Whilst some of the activities on site may continue to process wastes that arose whilst the blast furnaces and associated processes were in operation, no new wastes will be accepted as part of any of the activities to be retained within the permit.

At this stage, no changes are proposed to the existing list of permitted waste types in Schedule 2 of the current permit pending review of activities such as HAA and Yard Zero.

3. Form C3, Q2, Form C3 Q3a, Form C3 Q3b, Form C3 Q3c, Form C3 Q4a, Form C3 Q4b, Form C3 Q6a, Form C3 Q6b, Form C3 Q6c, Form C3 Q6d, Form C3 Q6e, Form C3 Q7a, Form C3 Q7c, Appendix 5, Appendix 8

At this stage, these questions have not been addressed. Activities to be retained in the permit will continue to operate in line with existing standards, emission limits and other requirements. No new activities have yet been considered, as these will be subject to separate variation applications when sufficient detail is available to undertake comprehensive risk assessments and assess each operation against appropriate technical standards.

4. Site plans

The existing site plan included in permit number EPR/BL7108IM, Schedule 7, will still be valid with the exception that the yellow ring-fenced area around the Cold Mill effluent treatment plant (currently identified as Industrial Chemicals Ltd, but brought back into Tata Steel control in November 2023) can be removed as this separate permit will be consolidated into the main permit.

No additional land will be brought into the Tata Steel permit boundary.

5. Opra assessment

An updated Opra spreadsheet is attached as Appendix 3 to reflect the revised risk profile of the site after removal of the decommissioned activities.