

Appendix 14.6: Proposed Abstractions Summary for Option 1

Proposed changes to Tata Steel abstractions for power plant water supply

Abstraction licence information

Ref	Location	NGR	Date of issue	Max licensed quantities (m ³)		
				Hourly (m ³ /hr)	Daily (m ³ /d)	Annual (m ³ /yr)
21/58/61/0012	Port Talbot Docks	SS76898859	19/11/2010	-	590,980	206,615,700
21/58/61/0009	Docks Feeder	SS75988969	19/11/2010	1,705	40,914	14,933,610
21/58/61/0024	Ffrwdwyllt	SS77158887	19/11/2010	-	9,820	2,273,000

Abstractions under current operations

Ref	Location	Current gross rate of abstraction m ³ /yr	Licence uptake %	% Return %	Current consumptive rate of abstraction m ³ /yr
21/58/61/0012	Port Talbot Docks	166,000,000	80	88	20,000,000
21/58/61/0009	Docks Feeder*	10,000,000	67	0	10,000,000
21/58/61/0024	Ffrwdwyllt	900,000	40	0	900,000

Total gross abstraction = 176,900,000 Total consumptive abstraction 30,900,000

*from recent actual abstraction data

Abstractions under proposed operations

Ref	Location	Proposed gross rate of abstraction m ³ /yr	Licence uptake %	% Return** %	Proposed consumptive rate of abstraction m ³ /yr
21/58/61/0012	Port Talbot Docks	47,000,000	23	57.5	20,000,000
21/58/61/0009	Docks Feeder*	14,933,610	100	0	14,933,610
21/58/61/0024	Ffrwdwyllt	900,000	40	0	900,000

Total gross abstraction = 62,833,610 Total consumptive abstraction 35,833,610

Reduction from existing = 114,066,390 Increase from existing = 4,933,610

(64% decrease)

(16% increase)

**For Docks Feeder abstraction, consumptive loss of 20,000,000m³/yr assumed for both current and proposed operation.

This is considered to be the worst case scenario as future actual losses are currently unknown