

Addendum

Table 6 for COG derogations – additional receptor points added:

Averaging period	15 minutes		1 hour		1 day		1 year	
	Statistic		99.7 th %ile (µg/m ³)		99 th %ile (µg/m ³)		Annual mean (µg/m ³)	
	Scenario		Current	BAT	Current	BAT	Current	BAT
Rowland Road AURN	57	42	36	26	18	9	1.8	0.7
Low Santon	52	40	35	25	17	9	3.5	2.0
East Common Lane	68	64	40	36	20	15	2.9	1.9
High Santon	54	36	36	23	14	8	3.0	1.7
Scunthorpe 1	40	29	29	19	10	5	0.7	0.3
Scunthorpe 2	44	34	32	22	16	7	1.3	0.5
Scunthorpe 3	124	124	70	70	29	24	5.1	3.0
Scunthorpe 4	132	130	84	83	29	22	3.2	2.5
Scunthorpe 5	61	53	38	32	13	9	1.5	0.9
Scunthorpe 6	46	36	33	23	11	7	1.1	0.6
Appleby	46	36	31	21	9	6	1.7	1.0
Broughton	44	37	30	23	9	6	1.4	0.9
Risby Warren SSSI	68	41	46	25	17	10	3.1	1.8
Broughton Far Wood	47	37	32	23	9	6	1.6	1.0
Ashby Ville LNR	48	36	35	24	12	8	1.1	0.7
Sawcliffe LNR	66	37	38	22	16	9	1.4	0.8
Spring Wood	46	36	32	22	10	6	1.8	1.1
Limit Value/ Air Quality Objective	266		350		125		20	
Measured values, Rowland Road AURN, 2019	64		47		17		3	

Table 7 for COG derogations – additional receptor points added:

Pollutant	PM ₁₀				PM _{2.5}	
	Averaging period		1 year		1 year	
	Statistic		Annual mean (µg/m ³)		Annual mean (µg/m ³)	
Scenario	Current	BAT	Current	BAT	Current	BAT
Rowland Road AURN	0.91	0.11	0.21	0.03	0.21	0.03
Low Santon	1.34	0.17	0.47	0.06	0.47	0.06
East Common Lane	0.81	0.10	0.20	0.02	0.20	0.02
High Santon	0.93	0.12	0.32	0.04	0.32	0.04
Scunthorpe 1	0.29	0.04	0.08	0.01	0.08	0.01
Scunthorpe 2	0.76	0.10	0.17	0.02	0.17	0.02
Scunthorpe 3	1.66	0.19	0.41	0.05	0.41	0.05
Scunthorpe 4	0.74	0.09	0.19	0.02	0.19	0.02
Scunthorpe 5	0.39	0.05	0.10	0.01	0.10	0.01
Scunthorpe 6	0.27	0.03	0.07	0.01	0.07	0.01
Appleby	0.28	0.04	0.09	0.01	0.09	0.01
Broughton	0.25	0.03	0.07	0.01	0.07	0.01
Risby Warren SSSI	1.37	0.17	0.47	0.06	0.47	0.06
Broughton Far Wood	0.29	0.04	0.08	0.01	0.08	0.01
Ashby Ville LNR	0.26	0.04	0.07	0.01	0.07	0.01
Sawcliffe LNR	0.49	0.06	0.13	0.02	0.13	0.02
Spring Wood	0.36	0.05	0.10	0.01	0.10	0.01
Limit Value	50		40		25	
Measured values, Rowland Road AURN, 2019	38		20		-	

Comparison of source names in coke oven derogation report and 2015 modelling report

Source name in RP3206BE_2 (coke oven derogation)	Source name in 2015 modelling
Sinter plant main stack	A1 Sinter Plant Main Stack
CPP (1) main stack	A3 Coal Preparation Plant 1 Main Stack
CPP (2) main stack	A9 Coal Preparation Plant 2 Main Stack
QA hot blast stoves 1 & 2	A17 Queen Anne Hot Blast Stoves 1&2
QA hot blast stoves 3 & 4	A18 Queen Anne Hot Blast Stoves 3&4
QV hot blast stoves 1 & 2	A19 Queen Victoria Hot Blast Stoves 1&2
QV hot blast stoves 3 & 4	A20 Queen Victoria Hot Blast Stoves 3&4
Blast Furnace Gas flare	A23 Blast Furnace Gas Flare
QA/QV casthouse ventilation stack	A46 Casthouse Ventilation Stack
QA/QV slag granulator	A48 Queen Anne/Queen Victoria Slag Granulator
Blast Furnace slag pits	Not previously modelled
SRSM reheating furnace	A137 MSM Walking Beam Furnace 3
Rod Mill reheating furnace	A138 Rod Mill Walking Beam Furnace
Caparo reheating furnace	Not included in 2015 modelling as it is not part of the British Steel installation
CPS boilers 1-3	A201 Central Power Station Boilers 1-3
TBH boilers 1-4	A202 Turbo Blower House Boilers 1-4
TBH boilers 5&6	A203 Turbo Blower House Boilers 5&6
Coke Oven batteries 1&2	A302 ACO Batteries 1&2 Underfiring
Coke Oven batteries 3&4	A303 ACO Batteries 3&4 Underfiring
Coke Oven Gas flare	Not previously modelled
North Quench Tower (current)	ACO North Quench Tower
South Quench Tower (current)	ACO South Quench Tower
North Quench Tower (new)	Source does not currently exist, so not included in 2015 modelling
South Quench Tower (new)	Source does not currently exist, so not included in 2015 modelling
Pushing emissions	ACO Pushing Emissions
Pushing abatement	Source does not currently exist, so not included in 2015 modelling