

**Condition 6 (a):
Summary of Reportable Events**

**Table 1
Reporting Required by Conditions 1 & 2**

Date	Description	Date of CSBP Correspondence	DWER Response	Date of DWER Correspondence
26 June 2020	Solids plant 2020 Quarter 2 stack test result for Ammonia was 1.7 g/s which exceeded the licence target of 1.5 g/s.	Notification 10 July 2020	No Response (Target exceedance)	N/A
18 September 2020	Solids plant 2020 Quarter 3 stack test result for Ammonia was 2.7 g/s which exceeded the licence target of 1.5 g/s.	Notification 30 September 2020	No Response (Target exceedance)	N/A

**Condition 6 (b):
Condition 8 - Quarterly Manual Stack Test of the Liquid SCP 1 (John Zink) and SCP 2 (Maxitherm) Incinerators**

All stack testing was undertaken in accordance with licence conditions.

**Tables 2 & 3
Quarterly Manual Stack Test results of the Liquid SCP 1 & 2**

John Zink (SCP 1)										
Period	Total Cyanide		Cyanide		HCN		Ammonia		NOx	
	g/s	mg/m3	g/s	mg/m3	g/s	mg/m3	g/s	mg/m3	g/s	mg/m3
Limit	0.58								5.0 >95%	
Target	0.35						0.60		<4.5 >95%	
Jan-Mar 2020	*0.00018	*0.033	*0.00017	*0.032	*0.00018	*0.033	0.016	2.9	2.2	400
Apr-Jun 2020	*0.000053	*0.0098	*0.000051	*0.0095	*0.000053	*0.0098	0.0052	0.96	2	370
Jul - Sep 2020	*0.0002	*0.035	*0.0002	*0.035	*0.0002	*0.037	0.0016	0.29	1.5	270
Oct - Dec 2020	*0.0071	*1.3	*0.0069	*1.2	*0.0071	*1.3	0.00022	0.039	1.6	280

Maxitherm (SCP 2)										
Period	Total Cyanide		Cyanide		HCN		Ammonia		NOx	
	g/s	mg/m3	g/s	mg/m3	g/s	mg/m3	g/s	mg/m3	g/s	mg/m3
Limit	0.58								<12.0g/s <5% time	
Target	0.35						0.60		95% of time <5.0g/s	
Jan-Mar 2020	0.00032	0.041	0.00032	0.041	0.00034	0.042	0.0068	0.82	1.4	160
Apr - Jun 2020	0.00061	0.061	0.00059	0.059	0.00061	0.061	0.047	4.7	1.6	160
Jul - Sep 2020	*0.0032	*0.32	*0.0031	*0.31	*0.0032	*0.32	0.02	2	1.7	170
Oct - Dec 2020	*0.007	*0.63	*0.0067	*0.61	*0.007	*0.63	0.16	14	2.4	220

Please note:

- i) This table summarises the results from the Incinerator manual stack testing. Copies of the relevant reports produced by independent contractors (Ektimo) are included with this report.
- ii) NOx licence limit:
5.0g/sec equal to or less than for more than 95% operating time over the previous 12 months
12.0g/sec equal to or less than for 5% operating time over the previous 12 months
- iii) * - half detection limit

Condition 8- Quarterly Manual Stack Test of the Solid SCP Stack

All stack testing was undertaken in accordance with licence conditions.

Table 4
Quarterly Manual Stack Test results from the Solid SCP Stack

Period	NH3 (g/s)	NH3 (mg/m3)	Total Cyanide (g/s)	Total Cyanide (mg/m3)
Limit	n/a		0.58	
Target	1.5		0.35	
Jan - Mar 2020	1.1	360	0.17	54
Apr - Jun 2020	1.7	520	0.25	74
Jul - Sep 2020	2.7	780	0.16	47
Oct - Dec 2020	1.2	350	0.18	52

Note:

- (i) This table summarises the results from the Solid SCP manual stack testing. Copies of the relevant reports produced by independent contractors (Ektimo) are included with this report.

Condition 9 – Manual tests to be conducted when plant is in steady state balance.

All manual tests required by condition 8 were conducted whilst the plant was operating at steady state balance.

Condition 10- Reliable and accurate continuous emissions monitoring data.

The continuous emissions monitoring equipment installed to monitor NO_x emissions from the SCP1 and SCP2 incinerator stacks produced accurate and reliable data for greater than 95% of the operating time in each calendar month and during the accumulative twelve month operating time.

**Table 5
Annual Reliability of Continuous Emissions Monitoring Liquid SCP 1 & 2**

Month	SCP1		SCP2	
	Monthly Reliability (>90%)	Annual Reliability (>95%)	Monthly Reliability (>90%)	Annual Reliability (>95%)
January	97.9	97.8	97.9	97.6
February	97.8		98.0	
March	97.9		97.9	
April	97.9		97.9	
May	97.4		97.9	
June	97.8		97.8	
July	98.0		97.9	
August	97.8		97.8	
September	97.4		97.7	
October	97.8		95.8	
November	98.0		95.4	
December	97.9		97.9	

Condition 15 - Reporting Liquid SCPs shut-down and start-up events

**Table 6
Liquid SCPs Shut-down and Start-up Events**

SCP1					
Shutdown	Startup	Off-line	Wind		Comments
Date & time	Date & time	hrs	Velocity (m/sec)	Direction (degrees)	
15/05/2020 10:45	24/05/2020 00:42	206	5.8	61	Gauze change
SCP2					
Shutdown	Startup	Off-line	Wind		Comments
Date & time	Date & time	hrs	Velocity (m/sec)	Direction (degrees)	
06/11/2020 10:17	26/11/2020 23:36	493	4.6	206	Gauze change
27/11/2020 15:42	02/12/2020 02:54	107	4.2	176	Process upset