

RECLAIMED OIL COMPLIANCE CALCULATIONS

SYSTEM PARAMETERS

FAN CAPACITY (120 C)	86,374 m ³ /h	DISCHARGE RATE, V	24.0 m ³ /s
MAX DISCHARGE TEMP	120 deg C	STACK VELOCITY, w	20.5 m/s
MAX BURNER CAPACITY	2000 l/h	MAX BURNER OUTPUT	21.4 MW
STACK DIAMETER	1220 mm		

CALCULATIONS FROM OIL ANALYSIS

MAXIMUM CONCENTRATIONS OF IMPURITIES IN OIL

ELEMENT	QUARTERLY OIL CONC mg/Kg	THEORETICAL EMISSION (AT TEMP) mg/m ³	THEORETICAL EMISSION (STP) mg/m ³	25% ABATED EMISSION (STP) mg/m ³	50% ABATED EMISSION (STP) mg/m ³	EMISSION LIMIT (STP) mg/m ³
Cl / HCl	2147	44.5	64.0	48.0	32.0	100
F / HF	75	1.6	2.3	1.7	1.1	5
Cd	1	0.0	0.0	0.0	0.0	0.5
Pb	134	2.7	3.9	2.9	1.9	5
Ni	1.44	0.0	0.0	0.0	0.0	1
Cu	32.78	0.7	0.95	0.7	0.5	
Cr	5.11	0.1	0.15	0.1	0.1	1.5
Vd	2.78	0.1	0.08	0.1	0.0	
S	3588.89					
PCB	0					

NOTES

- 1) STP Correction to Standard Temp and Pressure (excluding dry gas correction), 273K and 101.3kPa
- 2) *** Denotes over emission limit
- 3) 50% abated emission considered to be worst case emission, from BACMI study

Hanson Aggregates

[illegible]