

[illegible]

Information Data Sheet	Project Number		Contractor Document Number		Revision				
					Rev. Date				
	Item Number		Purchaser Document Number		Revision				
					Rev. Date				
Sheet 3 of 12									
Description	Cross Reference	Requirement / Information							
	Clause	Purchaser		Contractor					
		Input / Response		Response					
SITE CONDITIONS AND UTILITIES (continued)	6								
Chemical contaminants		Site level – ppmv							
Ammonia, NH ₃	6.1	#							
Sulphur Dioxide, SO ₂	6.1	#							
Hydrogen Sulfide, H ₂ S	6.1	#							
VOC	6.1	#							
Hydrochloric Acid, HCl	6.1	#							
Chlorine, Cl ₂	6.1	#							
Other	6.1	#							
Particulate contaminants		Site level – mg/m ³							
Calcium, Ca	6.1	#							
Magnesium, Mg	6.1	#							
Sodium, Na	6.1	#							
Potassium, K	6.1	#							
Lead, Pb	6.1	#							
Vanadium, V	6.1	#							
Nickel, Ni	6.1	#							
Silica, SiO ₂	6.1	#							
Sulphur, S	6.1	#							
Other	6.1	#							
Dust concentrations									
Total dust (mg/m ³)	6.1	#							
Particle size – band		% Particle number	% Particle weight						
30–10 µm	6.1	#	#						
10–5 µm	6.1	#	#						
5–3 µm	6.1	#	#						
3–1 µm	6.1	#	#						
1–0 µm	6.1	#	#						
Corrosion classification ISO 9223									
Class for carbon steel exposure (C1–C5I/C5m)	6.1								
Method for establishing classification		Measurement	Calculation	Estimation					
		#	#	#					
Site location / contaminates		Level and distance from site (km)							
Sea water – spray NaCl	6.1	#							
Coastal water – spray NaCl	6.1	#							
Dry lake beds – dust NaCl	6.1	#							
Roads with heavy traffic – particulates, VOC, SO ₂ , NO _x and chlorides	6.1	#							
Cooling towers close to GT – drift, thermal plume	6.1	#							
Petrochemical industry – sulfur compounds	6.1	#							
Coal power plants – fly ash, coal dust, SO ₂ and soda ash	6.1	#							
General chemical industry – SO ₂ , HCl, H ₂ S, NH ₃	6.1	#							
Paper and pulp industry – fibres, SO ₂ , H ₂ S, saw dust	6.1	#							
Cement production, quarries – CaCO ₃ , SiO ₂	6.1	#							
Agricultural activities – particulates, VOC, NO _x , Pox, seeds, pollen and insects	6.1	#							
Production of fertilizers – ammonia, phosphates, nitrates and calcium	6.1	#							
Mining, metallurgical activity – particulates	6.1	#							
Adjacent vents – hydrocarbons, steam	6.1	#							
Other	6.1	#							
GENERAL COMMENTS									

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Sheet 4 of 12						Revision					
Description	Cross Reference	Requirement / Information									
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		Input / Response		Response							
SITE CONDITIONS AND UTILITIES (continued)	6										
Ground quality data	6.1										
Soil type composition CMAS											
Calcium, Ca	6.1	#									
Manganese, Mg	6.1	#									
Aluminium, Al	6.1	#									
Silica, SiO ₂	6.1	#									
Water quality	6.2										
Water quality – potable											
Total suspended solids (mg/l)	6.2	#									
Total dissolved solids (mg/l)	6.2	#									
Alkalinity (Meq/l)	6.2	#									
Ph	6.2	#									
Turbidity (Fnu)	6.2	#									
Conductivity (Ms/l)	6.2	#									
Biochemical oxygen demand (mg/l)	6.2	#									
Chemical oxygen demand (mg/l)	6.2	#									
Water quality – cooling water		Site level (mg/l)									
Manganese, Mn	6.2	#									
Iron, Fe	6.2	#									
Aluminium, Al	6.2	#									
Sodium, Na	6.2	#									
Potassium, K	6.2	#									
Silica, SiO ₂	6.2	#									
Total hardness	6.2	#									
Total chloride, Cl	6.2	#									
Total sulphate, SO ₄	6.2	#									
Ph	6.2	#									
Total suspended solids (mg/l)	6.2	#									
Water Source	6.2	#									
Other	6.2	#									
Water quality – demineralized water		Site level (µg/kg)									
Oxygen	6.2	#									
Copper, Cu	6.2	#									
Na + K	6.2	#									
Ca	6.2	#									
Fe	6.2	#									
Silica as SiO ₂	6.2	#									
Specific conductivity (µS/cm)	6.2	#									
Organic TOC	6.2	#									
Water supply – capability											
Potable water flow capacity (m ³ /h)	6.2	#									
Cooling water pressure (bar)	6.2	#									
Cooling water temperature (°C)	6.2	#									
Cooling water pressure (bar)	6.2	#									
Cooling water flow capacity (m ³ /h)	6.2	#									
Cooling water limitation on return	6.2	#									
Demin water pressure (bar)	6.2	#									
Demin water temperature (°C)	6.2	#									
Demin water flow capacity (m ³ /h)	6.2	#									
Steam quality	6.3	Site level (µg/kg)									
Oxygen	6.3	#									
Copper, Cu	6.3	#									
Na + K	6.3	#									
Ca	6.3	#									
Fe	6.3	#									
Silica as SiO ₂	6.3	#									
Specific conductivity (µS/cm)	6.3	#									
Organic TOC	6.3	#									
GENERAL COMMENTS											

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	Clause	Input / Response	Response			
SITE CONDITIONS AND UTILITIES (continued)	6					
Steam supply – capability						
Steam pressure (bar)	6.3	#				
Steam temperature (°C)	6.3	#				
Steam flow capacity (m³/h)	6.3	#				
Purge media supply – Purchaser's capability						
Plant air flow capacity (m³/h)	6.4	#				
Plant air pressure (bar)	6.4	#				
Instrument air flow capacity (m³/h)	6.4	#				
Instrument air pressure (bar)	6.4	#				
Nitrogen flow capacity (m³/h)	6.4	#				
Nitrogen pressure (bar)	6.4	#				
Nitrogen storage (m³)	6.4	#				
DISCHARGES AND EMISSIONS	7					
Noise emissions	7.3					
Allowable sound pressure level at:						
GT air inlet (dB)	7.3.1	#				
GT enclosure (dB)	7.3.1	#				
GT exhaust (dB)	7.3.1	#				
Reduction gearbox (dB)	7.3.1	#				
Blow offs and vents	7.3.1	#				
Exhaust emissions	7.4					
Exhaust emissions at MCR – gas fuel:						
NO _x (mg/m³)	7.4.3	#				
CO (mg/m³)	7.4.3	#				
Exhaust emissions at MCR – liquid fuel:						
NO _x (mg/m³)	7.4.3	#				
CO (mg/m³)	7.4.3	#				
Exhaust emissions at MCR – gas fuel:						
UHC (mg/m³) (Option)	7.4.3	#				
VOC (Option)	7.4.3	#				
Smoke opacity (Option)	7.4.3	#				
Total including condensable particles (Option)	7.4.3	#				
Exhaust emissions at MCR – liquid fuel:						
UHC (mg/m³) (Option)	7.4.3	#				
VOC (Option)	7.4.3	#				
Smoke opacity (Option)	7.4.3	#				
Total including condensable particles (Option)	7.4.3	#				
Exhaust emissions at MCO – gas fuel:						
NO _x (mg/m³) (Option)	7.4.3	#				
CO (mg/m³) (Option)	7.4.3	#				
UHC (mg/m³) (Option)	7.4.3	#				
VOC (Option)	7.4.3	#				
Smoke opacity (Option)	7.4.3	#				
Total including condensable particles (Option)	7.4.3	#				
Exhaust emissions at MCO – liquid fuel:						
NO _x (mg/m³) (Option)	7.4.3	#				
CO (mg/m³) (Option)	7.4.3	#				
UHC (mg/m³) (Option)	7.4.3	#				
VOC (Option)	7.4.3	#				
Smoke opacity (Option)	7.4.3	#				
Total including condensable particles (Option)	7.4.3	#				
Exhaust emissions at MEL – gas fuel:						
NO _x (mg/m³) (Option)	7.4.3	#				
CO (mg/m³) (Option)	7.4.3	#				
UHC (mg/m³) (Option)	7.4.3	#				
VOC (Option)	7.4.3	#				
Smoke opacity (Option)	7.4.3	#				
Total including condensable particles (Option)	7.4.3	#				
GENERAL COMMENTS						