



WBS AREAS - REFER D RMMG 606541-2000-DE10-GAD-0112			
PLANT WIDE	TRAIN SPECIFIC	SUB AREA	DESCRIPTION
2110	-	1	SPODUMENE STORAGE AND FEED PREPARATION
-	2111	2	TRUCK WASH - SPODUMENE
-	2111	1	CALCINING-KILN FEED
-	2121	2	CALCINING-DUST HANDLING
-	2121	1	CALCINING-KILN
-	2131	2	CALCINING-COOLING
-	2131	-	CALCINE CRUSHING, MILLING AND DUST HANDLING
-	2141	1	ACID ROASTING-MIXING
-	2141	2	ACID ROASTING-KILN
-	2141	3	ACID ROASTING-COOLING
-	2151	-	ACID VAPOUR SCRUBBING
2160	-	-	ACIDIFIED ORE STORAGE
-	2161	-	LEACH FEED
-	2171	-	LEACHING
2180	-	1	TAILINGS BUILDING
-	2181	2	TRUCK WASH - TAILINGS
-	2181	-	FILTRATION AND TAILS
-	2191	-	PURIFICATION
-	2211	-	CAUSTIC IZNG
-	2221	-	SODIUM SULPHATE DECAHYDRATE CRYSTALLISATION
-	2231	-	SODIUM SULPHATE ANHYDROUS CRYSTALLISATION - Li REMOVAL
2240	-	-	SODIUM SULPHATE STORAGE
-	2241	-	SODIUM SULPHATE DRYING AND PACKAGING
-	2251	1	CRUDE LITHIUM HYDROXIDE EVAPORATION & CRYSTALLISATION
-	2251	2	PURE LITHIUM HYDROXIDE FILTRATION
-	2261	-	CRUDE LITHIUM HYDROXIDE EVAPORATION & CRYSTALLISATION
2270	-	-	LITHIUM HYDROXIDE MONOHYDRATE STORAGE
-	2271	-	LITHIUM HYDROXIDE MONOHYDRATE DRYING & PACKAGING
2280	-	-	POTASSIUM REMOVAL
2410	-	-	RAW WATER
2420	-	-	RO WATER
2430	-	1	PROCESS WATER - T1-T3
2430	-	2	PROCESS WATER - T4-T5
2460	-	1	COOLING TOWERS - BACK T1-T3
2460	-	2	COOLING TOWERS - FRONT T1-T3
2460	-	3	COOLING TOWERS - BACK T4-T5
2460	-	4	COOLING TOWERS - FRONT T4-T5
2490	-	-	BOILERS AND STEAM
-	2511	-	REFRIGERATION PLANT
2610	-	-	SULPHURIC ACID STORAGE
2620	-	-	CAUSTIC STORAGE
2630	-	-	LIME
2640	-	-	LIMESTONE
2660	-	-	CARBON DIOXIDE STORAGE
3110	-	-	SITE RUN OFF PONDS
3210	-	-	MAIN HV SWITCHROOM - 22kv
3320	-	-	DIESEL FUEL
3410	-	-	COMPRESSED AIR
3600	-	-	COMMUNICATIONS TOWER
3650	-	1	FIBRE OPTIC NODE - PLANT
3650	-	2	FIBRE OPTIC NODE - OFFICES
3720	-	-	FIRE PROTECTION - FIREWATER
4140	-	-	CAR PARKING
4210	-	-	PIPERACKS
4310	-	1	MAIN GATEHOUSE - ENTRY
4310	-	2	WEIGHBRIDGE - ENTRY
4320	-	1	OPERATIONS
4330	-	2	CENTRAL CONTROL ROOM
4340	-	-	CHANGE HOUSE AND LOCKER ROOM
4340	-	-	ADMINISTRATION
4350	-	-	MESS BUILDING
4360	-	-	EMERGENCY SERVICES BUILDING
4370	-	-	LABORATORY
4390	-	1	GATEHOUSE - EXIT
4390	-	2	WEIGHBRIDGE - EXIT
4410	-	-	ENGINEERING WORKSHOP
4420	-	-	WAREHOUSE
4510	-	-	SEWAGE TREATMENT
5410	-	-	WESTERN POWER SWITCHYARD
5420	-	-	NATURAL GAS METERING STATION

Emission Area	1	3	4	5	8	9	9	9	11	12	13	14	15	16A	16B	16C	17	17	17	17	17	17	18	19
Calcining off-gas 2121-ST-001 to 2125-ST-001																								
Ball mill off-gas 2131-ST-001 to 2135-ST-001																								
Roast scrubber vent 2151-ST-001 to 2155-ST-001																								
Roast flue gas 2141-ST-001 to 2145-ST-001																								
Leach vent 2171-VP-001 to 2175-VP-001																								
Vacuum Pump vent 2181-PP-011 to 2185-PP-011																								
Vacuum Pump vent 2181-PP-012 to 2185-PP-012																								
Vacuum pump vent 2181-PP-013 to 2185-PP-013																								
LiOH dryer off-gas 2271-SR-001 to 2275-SR-001																								
LiOH cooler off-gas 2271-SR-002 to 2275-SR-002																								
Lithium carbonate vent 2251-SR-002 to 2255-SR-002																								
Crude LiOH crystallizer vent 2251-SR-001 to 2255-SR-001																								
Pure LiOH crystallizer vent 2261-VP-003 to 2265-VP-003																								
SSA dryer flue gas 2241-ST-001 to 2245-ST-001																								
SSA dryer dust collector exhaust stack 2241-ST-002 to 2245-ST-002																								
SSA dryer scrubber exhaust stack 2241-SR-001 to 2245-SR-001																								
Steam boiler #1 flue gas 2490-BO-001																								
Steam boiler #2 flue gas 2490-BO-002																								
Steam boiler #3 flue gas 2490-BO-003																								
Steam boiler #4 flue gas 2490-BO-004																								
Steam boiler #5 flue gas 2490-BO-005																								
Steam boiler #6 flue gas 2490-BO-006																								
Spodumene Dust (diffuse source) 2110-BD-001																								
Acidified solids (diffuse source) 2160-BD-001																								

Train 1	38154.919 mE 6325490.709 mN	38155.2815 mE 6325398.259 mN	38154.919 mE 6325287.045 mN	38156.568 mE 6325400.603 mN	38159.293 mE 6325463.975 mN	38159.088 mE 6325695.470 mN	38153.071 mE 6325696.370 mN	38155.830 mE 6325696.430 mN	38183.276 mE 6325955.747 mN	38171.276 mE 6325955.676 mN	381296.791 mE 6325948.941 mN	381298.225 mE 6325948.941 mN	381287.607 mE 6325954.116 mN	381276.971 mE 6325952.943 mN	381277.000 mE 6325952.943 mN	38141.951 mE 6325932.438 mN	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Common	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	

REV	DESCRIPTION	REV. BY	CHK. BY	APP. BY	APP. DATE	ROLE	SIGN	DATE
A	ISSUED FOR INFORMATION	PS	IJW	BB	17.06.24			

ALBEMARLE KEMERTON PLANT

UNIT ID: N/A

SHT No: 1 OF 1

DRG SCALE: 1:2000

DRG SIZE: A1

TITLE: PROCESS PLANT TRAIN 1 AND COMMON SITE EMISSION POINT LOCATIONS, SKETCH - MECHANICAL

DRAWING No: 2000-DE10-SKT-0075

REV No: A

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2000-DE10-SKT-0076	PROCESS PLANT, T1, T2 & COMMON, SITE EMISSION LOCATIONS
606541-2000-DE10-SKT-0063	OVERALL PLANT SITE EMISSION POINT LOCATIONS SKETCH
REFERENCE DRAWING No.	REFERENCE DRAWING TITLE