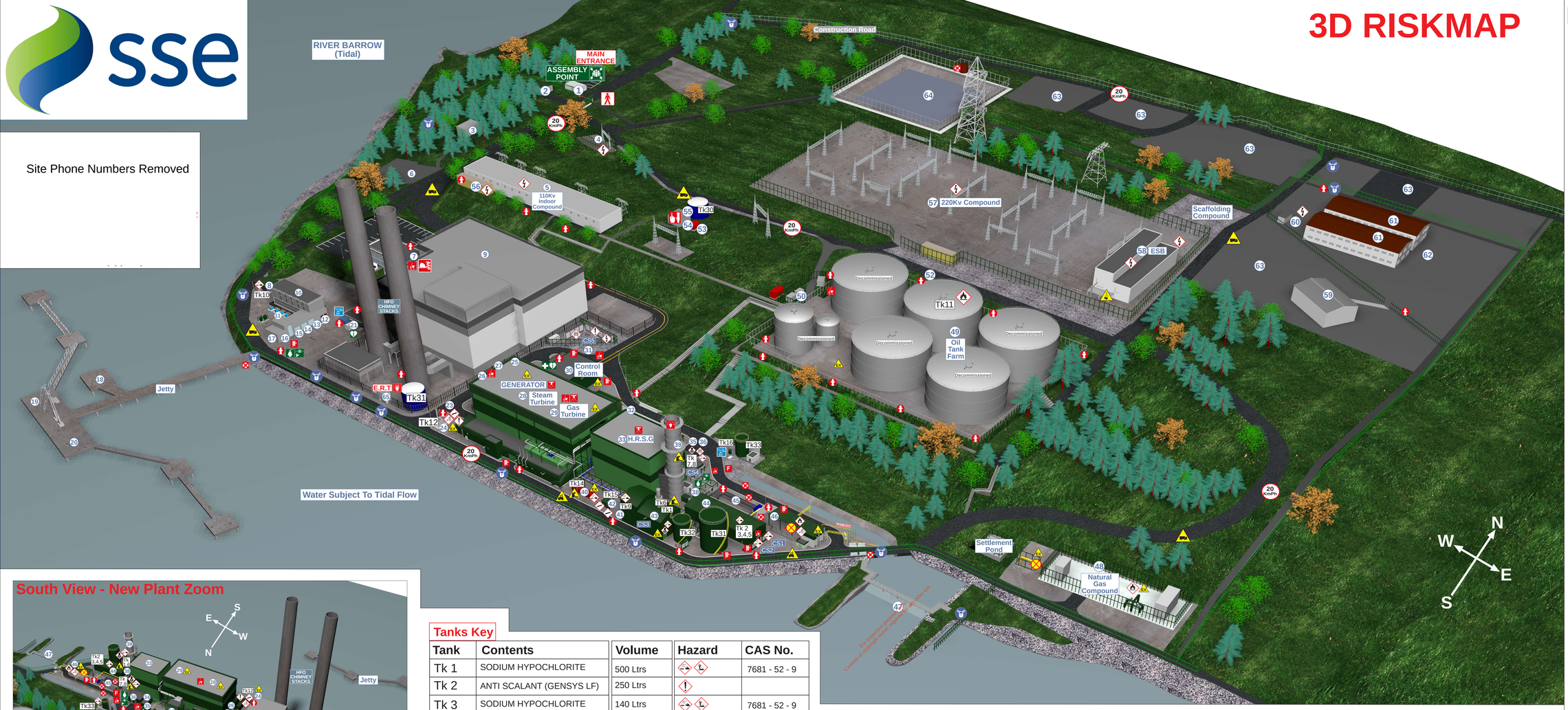
3D RISKMAP

Site Phone Numbers Removed



South View - New Plant Zoom

South West View

Tanks Key

Tank	Contents	Volume	Hazard	CAS No.
Tk 1	SODIUM HYPOCHLORITE	500 Ltrs		7681 - 52 - 9
Tk 2	ANTI SCALANT (GENSYS LF)	250 Ltrs		
Tk 3	SODIUM HYPOCHLORITE	140 Ltrs		7681 - 52 - 9
Tk 4	SODIUM BISULPHITE	500 Ltrs		7681 - 57 - 4
Tk 5	SULPHURIC ACID	300 Ltrs		7664 - 93 - 9
Tk 6	AMMONIA (Aux. Boiler)	60 Ltrs		1336 - 21 - 6
Tk 7	AMMONIA (Cycle Dosing)	1000 Ltrs		1336 - 21 - 6
Tk 8	TRISODIUM PHOSPHATE	2500 Ltrs		7601 - 54 - 9
Tk 9	CORROSION INHIBITOR (cccw)	100 Ltrs		7631 - 95 - 0
Tk10	SODIUM HYPOCHLORITE	43,000 Ltrs		7681 - 52 - 9
Tk11	DISTILLATE FUEL OIL	14,000 m^3		68334 - 30 - 5
TK12	BULK HYDROGEN (torpedos)	1425 m^3		133 - 74 - 0
TK13	HYDROGEN MCPs (cylinders)	108.15 m^3		133 - 74 - 0
TK14	CO2 (cylinders)	270 m^3		124 - 38 - 9
TK15	NITROGEN (pallet)	191.85 m^3		7727 - 37 - 9
TK 16	UNUSED TANK	1000 Ltrs		

Chem Stores

Tank	Contents	Volume	Hazard
CS 1	SODIUM HYDROXIDE (Caustic)	1000 Ltrs	
CS 1	ANTI SCALANT (GENSYS LF)	1000 Ltrs	
CS 1	SODIUM HYPOCHLORITE	1000 Ltrs	
CS 2	SODIUM BISULPHITE	1000 Ltrs	
CS 2	SULPHURIC ACID	1000 Ltrs	
CS 3	AMMONIA (AUX BOILER)	1000 Ltrs	
CS 4	AMMONIA (CYCLE DOSING)	1000 Ltrs	
CS 5	CHEM. STORAGE COMPOUND	Various Volumes	

WATER TANKS

Tk30	FIRE FIGHTING WATER	500 m^3
Tk31	DEMINERALISED WATER	2140 m^3
Tk32	CONDENSATE WATER	275 m^3
Tk33	RAW WATER	295 m^3

EMERGENCY SERVICES

- E.R.T Contact Point
- Emergency Control Centre
- Emergency Services Rendevous Point (RVP 1)
- Hydrant
- Fire Hose Reel
- Deluge
- Fire Pump
- Gas Shut Off Point
- Sump
- Spill Kit
- Life Ring
- Speed Limit (20 KmPh)
- Beacon / Strobe
- FIRE FIGHTING FOAM (20 X 25 Ltrs AAAF)
- Breathing Apparatus Store

HAZARDS

- Highly Flammable
- Corrosive
- Multiple Hazards
- Acute Toxicity
- Compressed Gas
- ATEX
- Electric Shock
- Explosive
- Dangerous To Environment
- Respiratory Hazard
- Asphyxiation Hazard
- No Mobile Phone Zone
- Overhead Load
- Industrial Vehicles
- Forklifts

P.P.E

- Hard Hat
- Safety Glasses
- Safety Shoes
- Hearing Protection (Where Indicated)
- Overalls

SAFETY KEY

- First Aid
- Defibrilator (AED)
- Assembly Point
- Emergency Shower
- Eye Wash

SERVICE WATER

- Service Water Connection Point

BUILDINGS KEY

1. SECURITY BUILDING
2. CARNSORE SHED
3. PARKERS SHED
4. 38kV BEALISTOWN TRANSFORMER
5. ESB 110kV INDOOR COMPOUND
6. SPINDLE CAR PARK
7. RECEPTION / ADMIN BUILDING
8. SODIUM-HYPOCHLORITE DOSING
9. HFO BUILDING (Decommissioned)
10. C.W PUMP HOUSE
11. BAND SCREENS
12. FIRE FIGHTING EQUIPMENT STORE
13. C.W PUMPHOUSE STORAGE ROOM
14. C.W PUMPHOUSE ELECTRICAL ROOM
15. C.W PUMPHOUSE ELECTRICAL ROOM
16. WASH WATER PUMPS & BANDSCREEN CONTROL
17. C.W PUMPHOUSE STORAGE ROOM
18. FISH GUIDANCE SYSTEM CONTROL ROOM
19. STEVEDORS & CUSTOMS HUT
20. FUEL OIL INTAKE (SHIP DELIVERY)
21. WORK ISSUE AREA (PERMIT OFFICE)
22.
23. SEWAGE TREATMENT PLANT
24. CO^2 / HYDROGEN BULK STORAGE COMPOUND
25. TRANSFORMER / H2 DELUGE VALVE
26. UNIT TRANSFORMER
27. GENERATOR STEP- UP TRANSFORMER
28. STEAM TURBINE(ST)
29. GAS TURBINE (GT)
30. CONTROL ROOM / ISOLATION CENTRE / FIRST AID ROOM
31. CHEMICAL STORAGE AREA
32. G .T AIR INLET FILTER
33. HEAT RECOVERY STEAM GENERATOR (HRSG)
34. SAMPLING ROOM
35. CHEMICAL LAB
36. BOILER FEED PUMPS
37.
38. CEMS MONITORING
39. CCGT STACK
40. GT C02 DELUGE SYSTEM
41. N2 SKID
42. CORROSION INHIBITOR DOSING
43. AUXILLIARY STEAM BOILER HOUSE
44. WATER TREATMENT PLANT
45. HOMOGENISATION BASIN
46. REGULATION & METERING STATION
47. COOLING WATER OUTFALL
48. BORD GAIS COMPOUND
49. OIL TANK FARM
50. FUEL OIL HEATERS
51.
52. FUEL OIL POLISHING SKID
53. FIRE SPRINKLER PUMPHOUSE (CCGT)
54. FIRE WATER PUMPHOUSE (HFO)
55. HFO MATHER & PLATT PUMPHOUSE
56. E.S.B NETWORKS PROTECTION RELAY ROOM
57. E.S.B NETWORKS SUBSTATION A.I.S
58. E.S.B NETWORKS 220kV G.I.S
59. WAREHOUSE
60. E.S.B NETWORKS 10kV SUBSTATION
61. CONTRACTORS CANTEEN /OFFICES
62. SEWAGE TREATMENT PLANT AREA
63. CONTRACTOR CARPARK
64. SERVICE WATER RESERVOIR
65. EMERGENCY RESPONSE TEAM (ERT) CABIN

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industrial interfaces Ltd.	3D Site Risk Map
t: +353 (0)87 2315880 e: info@interfaces.ie	Not to Scale
OUR JOB NO: 8791	DRAWING NO: Draft 3
Approved by: Tony O'Regan	
On behalf of: SSE Generation Ireland Ltd.	
Date: 24/06/2020	

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