

Type of Deposit/Removal	Deposits		Removals	
	Description	Quantity & Dimensions (metric)	Description	Quantity & Dimensions (metric)
Steel/Iron	SCI, SCR, and LSO concrete bases - associated pipe supports and clamps	<100 No.		No.
		Dimensions proportionate to pipe diameters (0.2-0.25 m)		Dimensions
		1500 Weight (kg/tonnes)		Weight (kg/tonnes)
Steel/Iron	SCI inlet screen unit	1 No.		No.
		Dimensions proportionate to pipe diameters (0.25 m)		Dimensions
		400 Weight (kg/tonnes)		Weight (kg/tonnes)
Timber	N/A	No.		No.
		Dimensions		Dimensions
		Weight (kg/tonnes)		Weight (kg/tonnes)
Concrete	Concrete pipe collars - number, size and spacing on pipe to be determined but total mass is 5600kg	No.		No.
		Suitable for pipe diameters (0.2-0.25m)		Dimensions
		5600 Weight (kg/tonnes)		Weight (kg/tonnes)
Concrete	SCI inlet screen concrete base	1 No.		No.
		TBD, <2m3 overall		Dimensions
		3000 Weight (kg/tonnes)		Weight (kg/tonnes)
Concrete	SCR outlet diffuser concrete base	1 No.		No.
		TBD, <2m3 overall		Dimensions
		3000 Weight (kg/tonnes)		Weight (kg/tonnes)
Concrete	LSO outlet diffuser concrete base	1 No.		No.
		TBD, 2m3 overall		Dimensions
		3000 Weight (kg/tonnes)		Weight (kg/tonnes)
Plastic/Synthetic	Diffusers and associated fittings	0.5 m ³		m ³
Plastic/Synthetic	Rock Filter Unit meshes	2 m ³		m ³
Silt (0.004 ≤ Silt ≤ 0.063 mm)	N/A	Volume (m ³)		Volume (m ³)
		Weight (kg/tonnes)		Weight (kg/tonnes)
Sand (0.063 ≤ Sand ≤ 2.0 mm)	N/A	Volume (m ³)		Volume (m ³)
		Weight (kg/tonnes)		Weight (kg/tonnes)
Cobbles (64.0 ≤ Cobbles ≤ 256.0 mm)	Rock Filter Units filled with cobbles - Total volume and weight	24 Volume (m ³)	Rock removal at shore crossing point	10 Volume (m ³)
		60000 Weight (kg/tonnes)		25000 Weight (kg/tonnes)
Boulders (≥ 256.0 mm)	N/A	Volume (m ³)	Rock removal at shore crossing point	10 Volume (m ³)
		Weight (kg/tonnes)		25000 Weight (kg/tonnes)
Pipe	Seawater Cooling Intake (SCI) - HDPE	65 Length (m)		Length (m)
		External diameter (cm/m)		External diameter (cm/m)
Pipe	Seawater Cooling Return (SCR) - HPDE	0.25 (cm/m)		Length (m)
		External diameter (cm/m)		External diameter (cm/m)
Pipe	Long Sea Outfall (LSO) - PP-H	85 Length (m)		Length (m)
		External diameter (cm/m)		External diameter (cm/m)
Pipe	Intake air blast system pipe - HDPE	0.2 (cm/m)		Length (m)
		External diameter (cm/m)		External diameter (cm/m)
Pipe	Intake air blast system pipe - HDPE	65 Length (m)		Length (m)
		External diameter (cm/m)		External diameter (cm/m)
Pipe	Intake air blast system pipe - HDPE	0.05 (cm/m)		Length (m)
		External diameter (cm/m)		External diameter (cm/m)

Materials

Pipelines	Units	SCI	SCR	LSO	SCI airblast	E	N	length	
Diameter	m	0.25	0.2	0.2	0.05	SCI	137524	645041	61.0
Subsea length	m	65	85	175	65	SCR	137523	645020	81.0
						LSO	137522	644931	168.9
Concrete collar mass	kg/m	40	35	0	0	nominal landfall	137505	645099	0.0
Total mass	kg	2600	2975	0	0				
									5575
Diffuser/screen									
Reinforced concrete base	kg	3000	3000	3000					
Steel supports	kg	500	500	500					1500
Diffuser PE	kg		200	200					
	m3	0	0.215054	0.215054					0.430108
Screen and associated pipe ste	kg	400							
RFUs 2 tonne 50-200mm	No	12	16	2					
PP mesh per unit	kg	50	50	50					
Cobbles per unit	kg	2000	2000	2000					
Total PP	kg	600	800	100					
		0.670391	0.893855	0.111732					1.675978
Total cobbles	kg	24000	32000	4000					
									60000
									Total volume
									24
PP density		895							
HDPE density		930							