

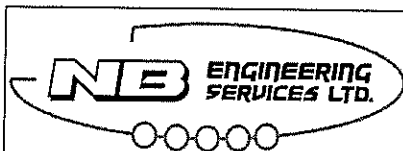
**Petroleum for the Inland (Retail) Fuel Market
LN 53/2010
&
SL 545.22**

**Flammable and non- flammable water polluting liquids storage tanks
On Site Report and Risk Analysis Matrix**

Report Reference Number: Wasteserv Malta SAWTP

1	Details of the Authorised Person / Company Wasteserv Name and Address Eko Centre Triq Latmija, Marsascula ID Card No.: Phone Contact: Mobile Contact: Company MFSA Number: Inspection Date:						Installation Address: Wasteserv Malta SAWTP The Director : 18.01.2019										
	2		1		Serial Number: 11569		Max. working cap. lts		3000 ltrs		Fuel grade Diesel		EN 590				
		Above /underground		Above		Inside/ outside		Outside, with dedicated cover		Tank material		All Steel		Warning notice		Installed	
		Tank ext. protect coat/ material				Paint		Tanks mfg/ last tested									
		Tank Construction: single wall or double wall.				Single wall		Use of Fuel: Tank 1: Dispenser for internal vehicles									
		Construction Standard of Tanks				EN 12258-2 EN 13160 leakage monitoring installed				Installation date:				2017			
		Portable or fixed installation:				Fixed Installation				Qty and frequency of delivery's				Approx. 1000 ltrs /week.			

3. Above ground storage protected from:				7. Fill points:			
a	Vehicle impact		No	a	Presence of spillage containment		Yes
b	Fire threat		None.	b	Safety for subsequent spillage ignition		Yes
c	Accumulation of flammable vapour		Installed outdoors	c	Ventilation to reduce flammable vapor concentration.		Installed outdoors
4. Vents to allow air in & pressure release:				8. Tanker fill points location:			
a	Located within site		Yes	a	Not in risk of collision with moving vehicles		Yes
b	Vent Height > Max liq. level & H > equal 4 m above ground		Yes	b	Not in line of slip of access roads		Internal roads being used
c	In non-emission control systems 5m vent height		Not applicable	c	Not with 4m of public through fare/ boundary		Yes
d	Vent discharge point > 3m from windows or openings		Yes	d	If parallel imperforate concrete wall 2m high, the 4m distance is measured from either side of fill point to boundary round wall.		Not applicable
e	Locate > 2m from boundary(non-emission control 3m		Installed in open area	e	If residential, hospital, school incr. dist 12m		Not applicable



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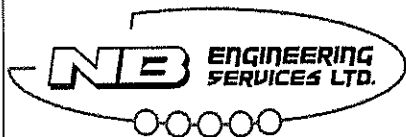
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f	Boundary 2m high & imperforated (non-emission controls 3m), location close to boundary permissible.	Not applicable	9. Underground storage: Not applicable		
g	Powered air intake & heating systems, to assess	Not applicable	Clear from drains, tunnels & foundations	Not applicable	
h	Vent pipes seen from fill point./ check valve installed	Yes			
5. Dispensers: Not Applicable			Easy removal	Yes	
a	Location > 3m from occupied building on site or boundary	Yes, installed on board	10. Road Tanker delivery stands: Fuel delivered to site by barrels, not road tankers		
b	Location > 4m from openings in buildings	Yes	a	Greater than 15m long, 5m wide	Yes
c	Location > 9m from domestic premises/vulnerable persons	Yes	b	Clear forward direction exit route	Yes
d	Location open air	Yes	c	Leveled, include largest likely spill drainage	Yes
6. Bunds:			d	Emer. Tel line, fire fight equip., sand bucket & 2x9kg dry powder fire extinguisher at hand	To install
a	Bund size L x B x H	Tank supplied with its own bund from EU supplier	11. High Risk Location: Low		
b	Total bund volume & material 110% of the tank volume	Confirmed	a	Spring, well, borehole (50mtrs)	No
c	Bund impermeable	Supplied by EU mfg.	b	Water course (10mtrs)	No
d	Bund drainage system	Bund is not connected or near drain. Totally isolated.	c	Open drains	No
e	Leak detection installed	Installed	d	Any other hazardous materials stored in vicinity.	None
f	Auxiliary tanks	Not applicable			

12. Risk Assessment Matrix -Recommendation

No.	Situation	Classification N/A – 0 Low – 1 Medium – 2 High - 3	Corrective Action	Target Date	Implemented Date
12.1	None				
12.2					
12.3					



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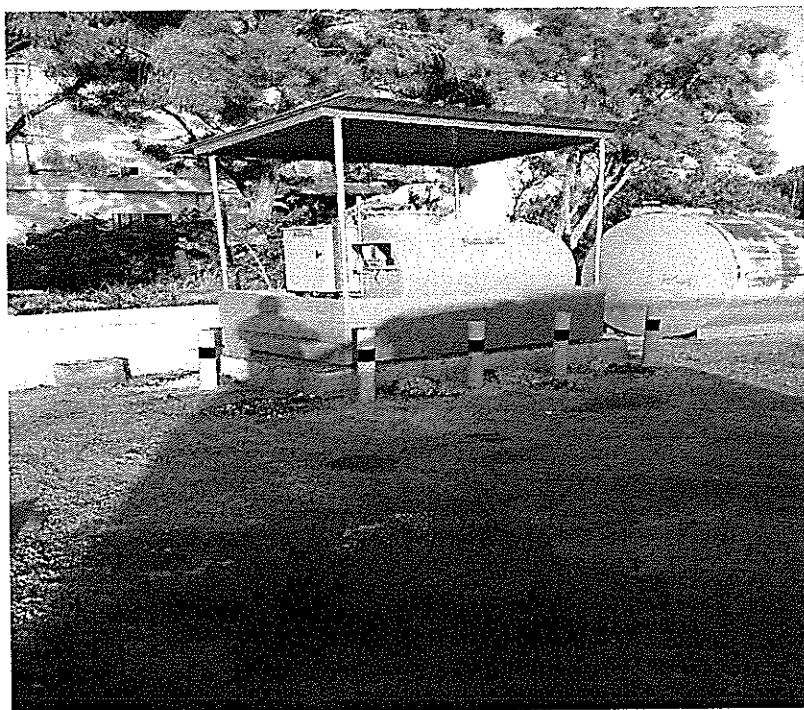
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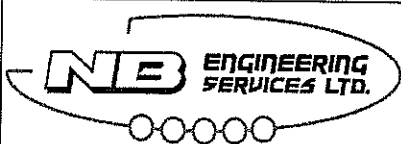
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13. Sketch: See attached sketch

Photos: See separate sheet.



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14. Tank Certificates /

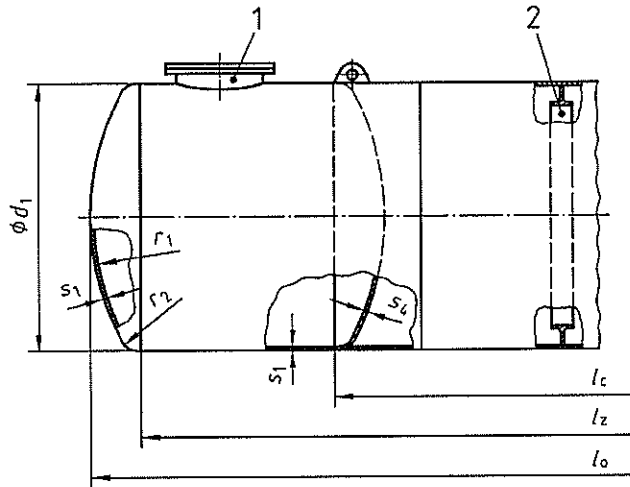
Commissioned and certified compliant with EU standards

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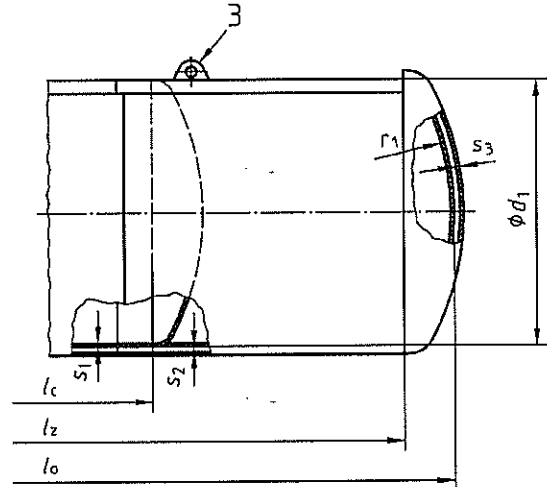
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15. Additional Tank Details if Applicable: NOT APPLICABLE



Tank type S

(single skin)



Tank type D

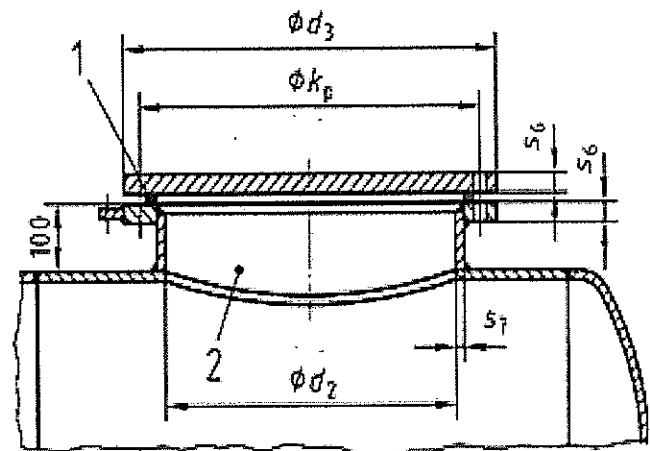
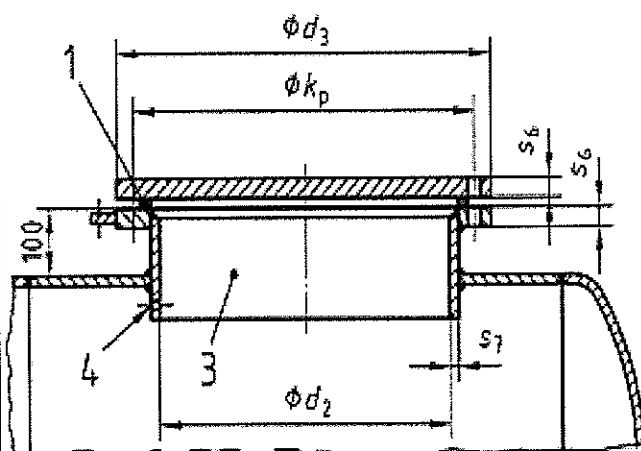
(double skin)

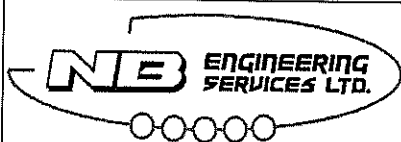
15.1. Overall dimensions:

a	l _o Overall length of tank	N.A
b	d ₁ Diameter of tank	
c	s ₁ Nominal thickness of inner skin	
d	s ₃ Nominal thickness of outer skin	
e	s ₅ Nominal thickness of compartment ends	

15.2. Manhole dimensions:

a	d ₂ Inside diameter of manhole	
b	d ₃ Diameter of cover	
c	s ₆ Flange thickness	
d	s ₇ Plate thickness of manhole body	
e	Number of bolts and size	





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15.3 Stiffening rings and lugs

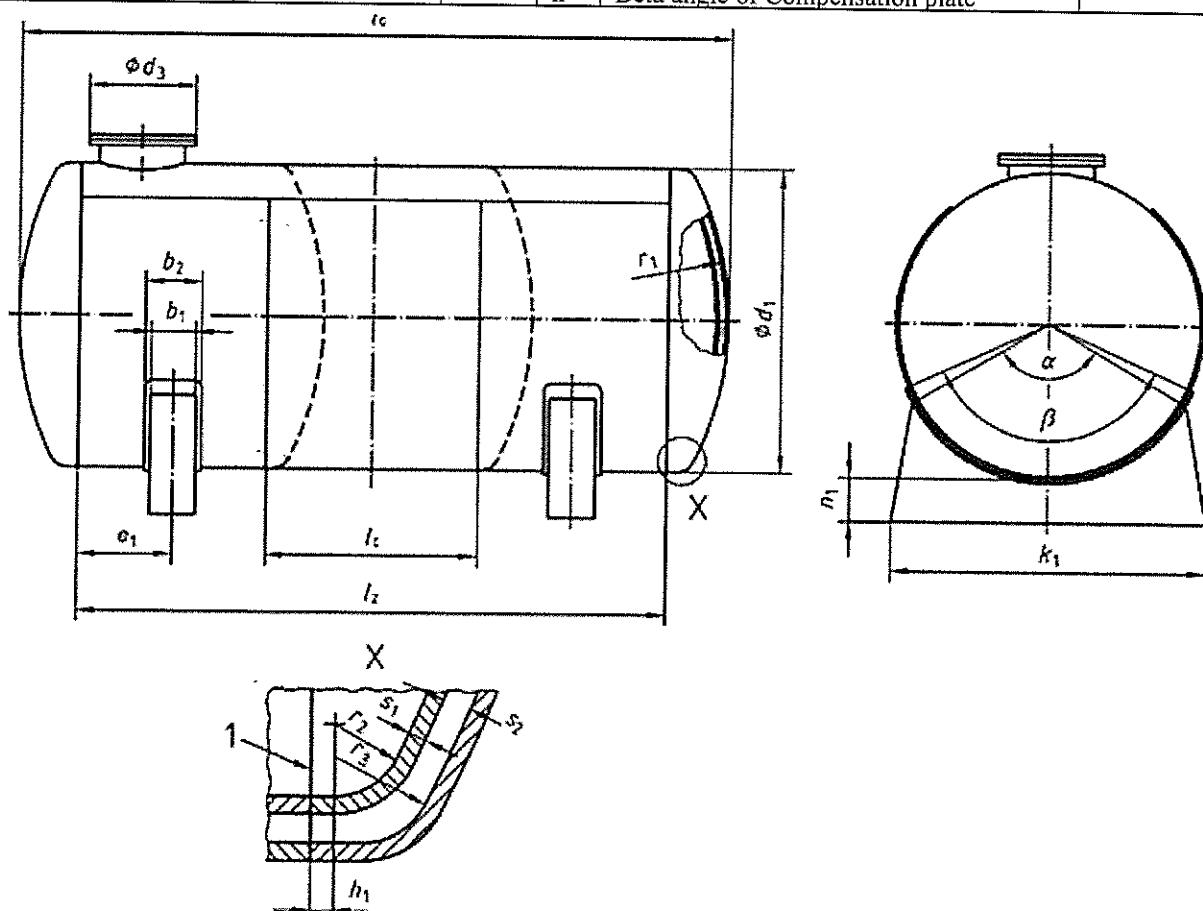
s5 Nominal wall thickness of compartment dished ends	N.A
lc Compartment length	
Number of rings	
Apertures in rings visible	

15.4. External coating

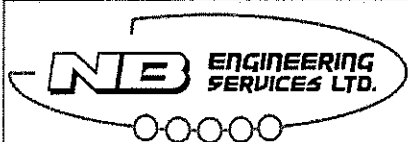
Coating material – coating applied by factory supplier
Coating thickness - paint

15.5. Saddles and supports

a	s1 Thickness of compensation plate	N.A	e	e1 Saddle centre dist from circumferential weld	
b	b1 Saddle width		f	Loose or fixed saddles	
c	b2 Compensation plate width		g	Alpha angle of saddle	
d	k1 Saddle base plate		h	Beta angle of Compensation plate	



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16.0 Electrical Installation (If Applicable) - Details

Not applicable

17.0 Ancilliary equipment - Details

All equipment supplied according to Standard

18.0 Pumps – Details

Dispensing pump installed within the bunding system.

19.0 Overfill Protection

(a) Alarms and protection devices: Installed.

(b) Contents gauges: Visual liquid level.

(c) Stock control: Yes, maintained

20.0 Spill Containment Measures

Spill kits to be kept near tank. Available on site

21.0 Fire Precautions and considerations

(a) Preventing measures : Area well maintained, clean and no leakages.

(b) Fire fighting Equipment : Fire extinguishers and sand in the vicinity in the plant room. Available on site

(c) Detection equipment : Installed according to EN 13160

22.0 Emergency Procedures

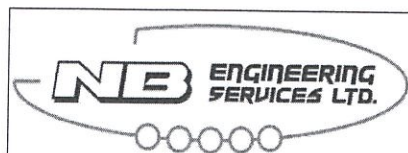
(a) Fire: Prepared by Management and in effect.

(b) Spillage: Prepared by Management and in effect.

23.0 Personnel Training Details (If Applicable) – Details

Owner confirms that fire fighting training is programmed for a number of select employees.

24.0 Declaration by Competent Person



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I, the undersigned competent person, hereby declare that I have exercised reasonable skill and care when carrying out this risk assessment and that this report is a true and correct version of the installation status. I further declare that in my judgement, this installation is overall safe to be used as intended and that I have explained the contents and results of this report to the authorized person.

11/02/2019



Signature and Date:

25.0 Declaration by Applicant

I, the undersigned, declare that the installation described above has been installed and operational after January, 2016 and that I have understood all the contents of this Risk Assessment, after such contents having been explained to me by the competent person. I agree to implement the corrective actions listed in the report by not later than the target dates specified. Furthermore, I declare that I will submit another follow up report, endorsed by the Competent Person, to the Malta Resources Authority to verify successful implementation of the corrective actions. I also understand and accept that in the case of failure to submit on time a follow-up report and to submit the necessary proof of the corrective actions implementation thereof, I shall be making myself liable for any necessary action by the Malta Resources Authority including the suspension of my authorization and the imposition of administrative fines. I understand and agree that the Authority may require further inspections to be made when so required.

Signature and Date

20.0 Date of Next Inspection

January, 2020