



# Highland Tank®

## OIL/WATER SEPARATOR DESIGN QUESTIONNAIRE

This questionnaire is intended to help design your Highland Tank oil/water separator. If you have any questions regarding the questionnaire please contact your Highland Tank representative. This PDF file is a form that you can complete electronically. After completing the form, you need to save the form to your computer or local network. Then you can attach it to an e-mail and return it. If you prefer, just print the PDF out and fill it out by hand.

Highland Tank & Manufacturing  
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OIL/WATER SEPARATOR DESIGN SURVEY

Company: [ ] Phone: [ ]
Contact: [ ] Mobile: [ ]
Address 1: [ ] E-Mail: [ ]
Address 2: [ ] Fax: [ ]
City: [ ] State: [ ] Postal Code: [ ]
Line of Business: [ ]
Project Name: [ ] Project Location: [ ]

Highland Tank's high-efficiency Oil/Water Separators feature our patented Corella® coalescers and can be UL-SU2215 labeled. They can be designed to handle high-flow rates, contain large spills and remove oils with a specific gravity up to .95. API-421 design criteria can be employed to engineer a separator to the specified wastewater flow rate, temperature, oil globule size and specified gravity of oil and wastewater.

- 1. In what type of facility will the Oil/Water Separator (OWS) be installed?
2. Is there a preference for one of the following types of Oil/Water Separator?
3. Is secondary containment required?
4. What will be the function of the Oil/Water Separator in this application? (select all that apply)



5. What is the expected maximum flow rate into the Separator?  GPM

6. If the separator is being used for storm water processing, what is the surface area to be drained?  
 Ft<sup>2</sup>

7. Are you replacing an existing Oil/Water Separator, or do you require a specific volume?

Yes

No

If so, what is the volume?

8. Is there a minimum or maximum oil storage or spill capacity requirement for the Separator system?

Yes --  Gallons

Not Applicable

9. What is the nature and specific gravity range of the oil/grease going into the Separator?

10. What is the typical inlet oil concentration?  ppm

Unknown

11. What is the estimated temperature of the wastewater?

Ambient

Degrees F

12. What is the nature of the wastewater?

Fresh

Salt

13. Is there a need for a grit chamber or interceptor preceding the Oil/Water Separator to capture solids/debris?

Yes

No

14. Is there a maximum oil/grease effluent quality for the Oil/Water Separator?

Yes  (ppm)

No

*Note: Highland Tank Oil/Water Separators are 10 PPM*

15. Can the Separator be used as a gravity flow-in and gravity flow-out system?

Yes

No

If not, explain elevation variables

16. Are you pumping into the proposed Oil/Water Separator?

Yes

No

If so, describe pump type

*Note: Positive displacement pump is recommended*



17. If underground, what will be the burial depth of the Oil/Water Separator?  
(From the top of the tank to grade)  Ft

18. If aboveground, is freeze protection required?  Yes  No

19. Are there any physical size limitations?

Length  Width  Height

*List all limited dimensions*

No Size Limitations

20. For vehicle wash applications, what type of detergent/cleaner will be used?

*Note: "quick release" or "OWS Safe" must be used*

21. What is the available power at the project location?

Volts  Phase

22. Is a level sensor/panel required?  Yes  No

*(Note: Required for UL 2215)*

23. Are explosion proof electrical components/enclosures required?

Yes  No

24. Is an Internal Lining Required?  Yes  No

25. Please list any other site considerations:

Please contact your Highland Tank Representative for more information, and to discuss any other options that may benefit or be required for your Oil/Water Separator.

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