Highland Tank
Unmatched Quality & Service Since 1946
www.highlandtank.com
One Highland Road
Stoystown, PA 15563
PH: 814-893-5701

Clear Form

Oil/Sand Interceptor – Design Survey

Company: _____ Phone: (_____) _____ - _____

Contact: _____ Mobile: (_____) _____ - _____

Address1: _____ Email: _____

Address1: _____

City: _____ State: _____ Zip: _____

Line of Business: _____

Project Name: _____ Location: _____

Highland Tank's Oil/Sand Interceptor (OSI) is a treatment tank designed to intercept and collect sand, grit, free-oil and grease (hydrocarbons and other petroleum products) in a wastewater flow, and prevent their entry into the sanitary sewer system. Additionally, our elevator sump pump and oil interceptors are designed specifically to remove hydraulic and other oils and volatile liquids from in and around elevator pits.

1. In what type of facility will the oil/sand interceptor (OSI) be installed?

   ◯ Fuel Dispensing/Offloading Location that the effluent is discharging to the sanitary sewer

   ◯ Industrial Process

   ◯ Vehicle Maintenance/Washdown

   ◯ Other: _____

2. Is there a preference for one of the following types of Oil/Sand Interceptor?

   ◯ Aboveground ◯ Underground

3. Is secondary containment required?

   ◯ Yes ◯ No

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4. What will be the function of the oil/sand interceptor in this application? (select all that apply)

   ◯ Hydrocarbon spill containment (_____ gallons) that the effluent is discharging to sanitary sewer

   ◯ Process floor drain(s) flow before discharge into sanitary sewer

   Provide more information here:

   _____

   _____

   _____

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

6. Are you replacing an existing oil/sand interceptor, or do you require a specific volume?

   ◯ Yes ◯ No

   If yes, what is the volume? _____

7. Is there a minimum/maximum oil storage or spill capacity requirement for the interceptor system?

Storage	◯ Yes	◯ No	Min. Gal. _____	Max. Gal. _____
Spill	◯ Yes	◯ No	Min. Gal. _____	Max. Gal. _____

8. What is the nature and specific gravity range of the oil/grease going into the interceptor?
   Nature: _____

   _____

9. Specific gravity range: _____ to _____

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10. What is the typical inlet oil concentration? _____ ppm Unknown

11. What is the estimated temperature of the wastewater?
Ambient _____ _____ º 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/sand interceptor to capture solids/debris?
◯ Yes ◯ No

14. Is there a maximum oil/grease effluent quality for the oil/sand interceptor?
◯ Yes _____ (ppm) ◯ No
Note: Highland Tank Oil/Sand Interceptors are 10 PPM

15. Can the interceptor 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/sand interceptor?
◯ Yes ◯ No
If so, describe pump type _____
_____
Note: Positive displacement pump is recommended

17. If oil/sand interceptor is to be installed underground, what will the burial depth be?(Measured from the top of the tank to grade) Ft

Is the OSI going to be installed in a vehicle traffic area? ◯ Yes ◯ No

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

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19. Are there any physical size limitations? *List all limited dimensions*

    Length _____ Height _____ Width _____

    ◯ No Size Limitations

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

    _____

    Note: "quick release" or "OSI 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

23. Are explosion proof electrical components/enclosures required?

    ◯ Yes ◯ No

24. Is an internal lining required?

    ◯ Yes ◯ Polyurethane ◯ Epoxy

    ◯ 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/sand interceptor.

Highland Tank & Manufacturing
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