Vessel Name: VESSEL NAME

IMO Number: IMO#

The sampler will use the Vessel Specific Sampling Plan (VSSP) as a guide to identify the specific onboard location(s) and sources to be sampled. To satisfy the VSSP requirement, you may fill in the blanks in this form starting on page 2 or you may submit an existing up to date VSSP if it contains the components listed in 18 AAC 69.030(b).

Please note for this VSSP:

* ADEC will not approve sampling locations that are more than **50 feet** from the overboard discharge port.
* The wastewater samples that are taken to satisfy the state requirements must reflect the quality of the effluent that is being discharged into Alaska waters during standard operating procedures.
* Cruise ships operating under a DEC discharge permit must obtain the required number and types of samples as listed in the permit.

If you have questions concerning the components of the VSSP, please contact Ben Eisenstein at [ben.eisenstein@alaska.gov](mailto:ben.eisenstein@alaska.gov) (907) 465-5161.

**Vessel Information**

|  |  |
| --- | --- |
| Vessel Name |  |
| Lower berth passenger capacity |  |
| Maximum passenger capacity |  |
| Crew capacity |  |

Wastewater Treatment

*Provide a description and capacity of the wastewater treatment system(s) on this vessel. Attach additional pages if necessary:*

**Treatment equipment**

|  |  |
| --- | --- |
| MSD system |  |
| Number of MSD units |  |
| Other wastewater treatment units not listed above (list types & capacity) |  |

Generated Volumes

Amounts should be indicative of the maximum.

|  |  |  |  |
| --- | --- | --- | --- |
|  | | Amount | Units |
| Blackwater generation per day | |  |  |
| Graywater generation per day | Accommodations |  |  |
| Galley |  |  |
| Laundry |  |  |
| Other |  |  |
| Daily water use/individual | |  |  |
| Seawater usage per day | |  |  |
| Peak water use per hour | |  |  |
| Hours of peak water use | |  | |
| If “Other” describe: | | | |
| How were these amounts determined: | | | |

Discharges

*Attach a drawing of vessel with treatment system, tanks, discharge pumps, discharge lines, sampling locations, and overboard ports. Include names and labels of all valves, ports, and discharge information that correspond to discharge logs*.

*Provide the individual vessel rules or procedures for discharging wastewater. Attach additional pages if necessary.*

*Small vessels ONLY*

*What is your hold time at average load capacity?*

*Do you have direct/gravity discharge to marine water from your vessel?*

**Alaska Wastewater Discharge Ports**

List all discharge ports which discharge graywater, blackwater, EGCS washwater, or other wastewater

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Discharge port designation (name)** | **Wastewater types discharged** | **Diameter (list units)** | **Location** | **Vertical Distance from water line** | **Average Flow Rate** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

All other Ports

List all other ports that discharge on the vessel

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Port designation (name)** | **Discharge type** | **Diameter (list units)** | **Location** | **Vertical Distance from water line** | **Average Flow Rate** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Discharge Pumps

Complete one line for each discharge pump (even if you have multiple discharge pumps per discharge port)

|  |  |  |  |
| --- | --- | --- | --- |
| **Pump name/number** | **Minimum flow rate** | **Maximum flow rate** | **Units** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Collection Tanks**

List all of the vessel tanks which are involved with collection of wastewater prior to treatment

|  |  |  |  |
| --- | --- | --- | --- |
| **Tank name/number** | **Type of wastewater stored** | **Location** | **Volume** |
| **(with units)** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Treatment Tanks**

List all of the tanks which are involved with wastewater treatment

|  |  |  |  |
| --- | --- | --- | --- |
| **Tank name/number** | **Stage of treatment** | **Location** | **Volume** |
| **(with units)** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Holding Water Tanks

List all of the tanks which are used (including optional available tankage) for storage, including all ballast water tanks.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Tank name/number** | **Treated/**  **Untreated** | | **Type of water stored** | **Location** | **Volume** |
| **(with units)** |
|  |  |  | |  |  |
|  |  |  | |  |  |
|  |  |  | |  |  |
|  |  |  | |  |  |
|  |  |  | |  |  |
|  |  |  | |  |  |
|  |  |  | |  |  |

Wastewater Sampling Port with suggested Locations and Timing

*Describe the vessel’s sample port location(s), where the sampling should occur (in port or underway) and the time of day that the sampling should take place. The owner/operator needs to explain why these selected sampling sites and times give the most representative sample. The sample selection should be adequately mixed and homogenous. All samples need to be taken from wastewater as it is discharging overboard, unless deemed impractical by ADEC.*

**Sample Port / Valve:** [all vessels]

|  |  |
| --- | --- |
| Sample Valve Identification [notation used in WW Discharge Logbook] |  |
| Sample Valve Location |  |

**Photo of Sample Valve**:

**

**Sample Suggested Timing:**

|  |  |
| --- | --- |
| **Discharge Regime** | **Sample Time Range (AK time)** |
| Continuous |  |
| Underway |  |
| Stationary |  |

**Flushing sample valve / sample line:**

|  |  |
| --- | --- |
| Length of sample line from discharge pipe to sample valve / line diameter [ft/m] |  |
| Pre-sampling procedure (minimum flushing volume or time prior to sample) |  |

Note: the duration time of the sampling event is not to exceed 30 minutes. If exceeded; a concise deviation report to be provided; including steps taken to avoid re-occurrence.

Description of the standards the owner or operator will use to determine a deviation from the plan.

**Discharge Port Location:**

*(Provide external location information for the sampler to establish the discharge location)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Discharge port name** | **Wastewater types discharged** | **Side** | **Reference Location used for sampler to determine port location** | **Horizontal Distance from reference location** |
| (port or starboard) | (visible mark, or bow waterline for example) |
|  |  |  |  |  |

*Discharge Port Location Sketch or Photo:*



Wastewater Sampling Tables

Provide information regarding the most representative sample times

|  |  |  |  |
| --- | --- | --- | --- |
| Wastewater Type | Sample type | Sample Location | Representative times for Sampling |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Schematics

Attach a copy of a vessel schematic of discharge ports and corresponding sampling ports