



ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

WASTEWATER PROGRAM FORMS: Private Residential Marine Outfall (PRMO) Certification of Minimum Performance

Property Legal Description (required):	
Property Mailing Address:	
<p>Certification of Secondary Treatment:</p> <p>I certify I have specified a domestic wastewater treatment works which operated within the design criteria meets or exceeds the performance specification for secondary treatment outlined in 18 AAC 72.990(59) and summarized, in part, below: (stabilization pond references removed)</p> <p>(59) "secondary treatment" means a method of removal of dissolved and colloidal materials that produces an effluent with the following characteristics:</p> <ul style="list-style-type: none"> (A) for the five-day measure of biochemical oxygen demand from a source other than a stabilization pond, <ul style="list-style-type: none"> (i) an arithmetic mean of the values for effluent samples collected in 30 consecutive days that does not exceed 30 milligrams per liter; (ii) an arithmetic mean of the values for effluent samples collected in seven consecutive days that does not exceed 45 milligrams per liter; and (iii) an arithmetic mean of the values for effluent samples collected in a 24-hour period that does not exceed 60 milligrams per liter; (C) for the measure of suspended solids from a source other than a stabilization pond, <ul style="list-style-type: none"> (i) an arithmetic mean of the values for effluent samples collected in 30 consecutive days that does not exceed 30 milligrams per liter; (ii) an arithmetic mean of the values for effluent samples collected in seven consecutive days that does not exceed 45 milligrams per liter; and (iii) an arithmetic mean of the values for effluent samples collected in a 24-hour period that does not exceed 60 milligrams per liter; and (E) for the measure of effluent pH, between 6.0 and 9.0 unless <ul style="list-style-type: none"> (i) inorganic chemicals are not added to the waste stream as part of the treatment process; and (ii) contributions from industrial sources do not cause the pH of the effluent to be less than 6.0 or greater than 9.0; 	
<p>Certification of Effluent Disinfection:</p> <p>I certify I have specified a domestic wastewater treatment works which operated within the design criteria meets or exceeds the performance specification for disinfection outlined in 18 AAC 72.990(21):</p> <p>(21) "disinfect" means to treat by means of a chemical, physical, or other process, such as chlorination, ozonation, application of ultraviolet light, or sterilization, designed to eliminate pathogenic organisms, and producing an effluent with the following characteristics:</p> <ul style="list-style-type: none"> (A) an arithmetic mean of the values for a minimum of five effluent samples collected in 30 consecutive days that does not exceed 200 fecal coliform per 100 milliliters; and (B) an arithmetic mean of the values for effluent samples collected in seven consecutive days that does not exceed 400 fecal coliform per 100 milliliters; 	
<p align="center">THE FOLLOWING SECTION IS ONLY APPLICABLE FOR DISINFECTION SYSTEMS UTILIZING CHLORINATION:</p> <p>For disinfection systems utilizing chlorine, I further certify I have specified a domestic wastewater treatment works which operated within the design criteria meets or exceeds the tabulated water quality standards for total residual chlorine of 7.5 micrograms per liter as specified in the Department's <i>Alaska Water Quality Criteria Manual for Toxic And Other Deleterious Organic and Inorganic Substances</i>.</p> <p>NOT APPLICABLE</p>	
Affix seal in accordance with 12 AAC 36.185	<p>Design Engineer of Record Name: (Please Print or Type)</p> <hr/> <p>FOR DEPARTMENT USE ONLY:</p> <p>Plan Tracking Number: _____</p> <p>ATTACH COMPLETED CERTIFICATION TO APPROVAL TO OPERATE AND PROVIDE TO PROPERTY OWNER.</p> <p><i>USE: Submitting design engineers self-certifying the performance of a submitted design must use this form. See PRMO guidance for other methods of demonstrating minimum performance. For PRMO guidelines please visit the Department's webpage: dec.alaska.gov/water/wastewater/engineering/</i></p>