

Marine products processing wastewater treatment (Salmon, Trout)

Our customer thought wastewater treatment as important as HACCP activity in the process of manufacture, but they had trouble with the complicated operation of the former treatment facility of a batch method.

Therefore in order to secure absolutely trusted effluent quality, they decided to introduce MBR process and retrofit the conventional facility by effectively utilizing their function. This retrofit and Kubota Membrane Co., Ltd.'s support have achieved stable and excellent performance.

Our customer was struck by the disaster of the Great East Japan Earthquake in 2011. At that time, they quickly started working as one for factory's revival. Then they resumed production 5 months later, and completed the new factory next May. KUBOTA Submerged Membrane Unit® has shown good and stable performance along revival plan.



Overview of Factory

Overview of Treatment Facility Left: Membrane Tank Right: Existing Tank

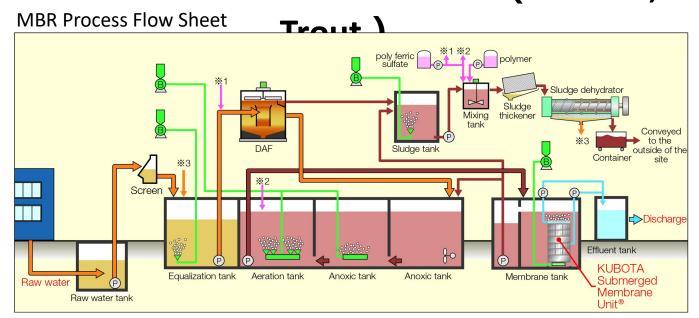


Outline of the Facility

Location	Miyagi Prefecture, Japan			
Type of wastewater	Marine products processing Wastewater (Salmon, Trout)			
Flow	200 m3/d			
Commissioned	April 2010			



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Design Parameter and Actual Data

Parameter		Influent		Effluent	
raiametel		Design	Actual	Design	Actual
BOD5	(mg/L)	2,000	2,520	<120	0.7
SS	(mg/L)	1,300	1,440	<150	<2.0
T-N	(mg/L)	280	230	<120	17
T-P	(mg/L)	50	27	<16	11
O&G	(mg/L)	180	630	<30	N.D.
рН	(-)	6.8~8.6	6.4	5.8~8.6	6.7

[&]quot;Design" values of effluent are the regulatory limits. "Actual" values are average values.

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