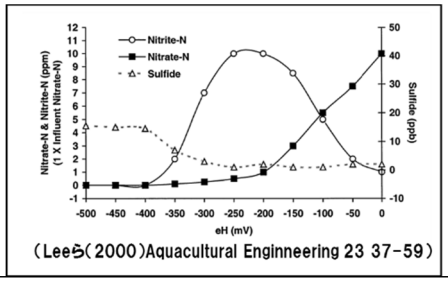
<Marine Organism Rearing Log>

9 AM, October 26, 2023
Weather: Sunny
Water temperature: 18.6°C

The amount of feed water going into the denitrification tank is determined by the oxidation-reduction potential (ORP value). If the ORP value is too high, denitrification bacteria will not become active, and if it is too low, there is a danger that toxic hydrogen sulfide will be generated. Regular maintenance of the ORP sensor is required to ensure that accurate measurements can be taken.



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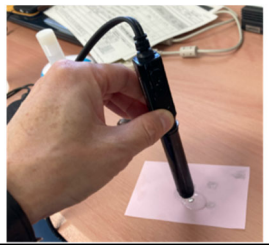
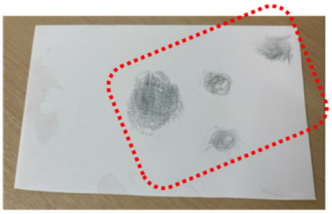
***ORP value (horizontal axis) below 0mV decreases nitric acid (■).**
***Below -200mV, nitric acid almost disappears.**
***Below -300mV, sulfide (△) is produced.**



Nitric acid film is used to remove the coating on the surface of the platinum sensor



Contaminants removed from the surface of the ORP sensor