

NEWS

OceanSaver Ballast Water Treatment System MKII – the first electrochemical system to apply for USCG Type Approval

Drammen 24.09.2016

September 8th was a fantastic milestone for us as the IMO BWM Convention finally reached its tonnage requirement for ratification and consequently enters into force a year later.

September 23rd also marks a great milestone for us as we finalised the USCG Type Approval Application for OceanSaver Ballast Water Treatment System MKII – allowing OceanSaver to become the first electrochemical applicant ever to apply for USCG Type Approval. Read more at:

<http://www.oceansaver.com/final-uscg-type-approval-application/>

Our tasks managing in the OceanSaver USCG TAC project included among others:

- Pre-test and preparations for testing
- Complete USCG documentation package
- Design of test arrangement for land-based and shipboard testing
- Facilitation of all component testing
- Facilitator between IL and vendor

The work provided include:

- Risk Assessment (Cause and Effects analysis/ HAZID)
- Environmental Risk Assessment (MAMPEC, etc.)
- Manuals
- Reporting and application
- Computational Fluid Dynamics (CFD) modelling for verification related to:
 - Stripping operations
 - Gas/ liquid separation – Hydrogen management
 - Scaling
 - Filter performance
 - Flow control including injection, mixing and representative sampling

The test programme included freshwater testing compliant with both the USCG reference protocol (ETV) as well as that of IMO (G8) and was expanded to include an alternate filter. Actual testing was completed during the period between April 2016 and August 2016.