

Determining Concentration and Composition of Oxygenated Hydrocarbons from the Valdez Marine Terminal

- Contractor: David Podgorski, PhD, University of New Orleans
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- Timing: Fall 2021 – May 2023
- Budget: \$70,400 – Approved in May 2021 for FY2022
- Status: Contract is drafted by staff and reviewed by the contractor, pending Alyeska coordination

Project Details

- Oxygenated hydrocarbons may be as toxic or more toxic than other PAHs but have been less studied
- Preliminary research indicates oxygenated hydrocarbons are released from the Ballast Water Treatment Facility
- This analysis would determine the type and amount of oxygenated hydrocarbons entering Port Valdez
- Results could lead to improved treatment or in-situ monitoring

Proposed Samples from the BWTF

- 18 sampling events over 12 months (October 2021 – September 2022)
- Samples would be taken following ballast water discharge at the BWTF from 12 domestic tankers, 6 foreign tankers
- 5 sampling points at the BWTF per event
- ~1 Liter of water total per sampling event
- Contractor on site for first sampling event, staff conduct remainder of sampling