Mid-Scale Test Tank Research on Using Oil Herding Surfactants to Thicken Oil Slicks in Pack Ice: An Update

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Abstract
As a result of the encouraging findings from small-scale tests reported in last year’s AMOP, further research has been carried out on using chemical herding agents to thicken oil slicks in pack ice for in situ burning. This year’s paper presents the results of testing at larger scales at CRREL and at Ohmsett. The results to date show that there is considerable promise for the application of chemical herders to contract oil slicks in pack ice to thicknesses conducive to efficient in situ burning.