

Table 4 (continued)
Screening Analysis - Summary of Benefits

Baseline Vessel Model Analyzed	Measure	Annualized Cost (\$)	Outflows after Measure			Baseline Outflows			Reduction Increment Outflows Total (Bbls)	Cost Effectiveness		
			ACC (Bbls)	OPER Annual (Bbls)	Total (Bbls)	ACC (Bbls)	OPER Annual (Bbls)	Total (Bbls)		ACC (\$/Bbl)	OPER Annual (\$/Bbl)	Total (\$/Bbl)
U.S. Coastal Fleet												
70,000 dwt Pre-MARPOL	1.a. PU/Spaces, 30% coverage	\$552,894	1,064	0	1,064	1,149	0	1,149	85	\$6,505	N	\$6,505
70,000 dwt Pre-MARPOL	1.b. PU/SBT, 30% coverage, with ballast to max. feasible draft	\$1,251,458	780	0	780	1,149	0	1,149	369	\$3,391	N	\$3,391
70,000 dwt Pre-MARPOL	1.c. PU/CBT, 30% coverage, empty to extent feasible	\$1,178,518	990	0	990	1,149	0	1,149	159	\$7,412	N	\$7,412
70,000 dwt MARPOL 73	2.a. HBL all tanks	\$2,806,794	653	0	653	1,285	0	1,285	632	\$4,441	N	\$4,441
70,000 dwt MARPOL 73	2.b. HBL, equivalent to Regulation 13G	\$1,200,078	813	0	813	1,285	0	1,285	472	\$2,543	N	\$2,543
70,000 dwt Pre-MARPOL	3. PU/Spaces as in 1.c. and HBL as in 2.b.	\$1,664,500	647	0	647	1,149	0	1,149	502	\$3,316	N	\$3,316
70,000 dwt MARPOL 73	4. Retrofit double bottom	\$3,282,916	559	0	559	1,285	0	1,285	726	\$4,522	N	\$4,522
70,000 dwt MARPOL 73	5. Retrofit double sides	\$3,852,887	1,140	0	1,140	1,285	0	1,285	145	\$26,572	N	\$26,572
264,000 dwt Pre-MARPOL	1.a. PU/Spaces, 30% coverage	\$3,085,882	2,617	0	2,617	2,884	0	2,884	297	\$11,595	N	\$11,595
264,000 dwt Pre-MARPOL	1.b. PU/SBT, 30% coverage, with ballast to max. feasible draft	\$2,863,169	1,963	0	1,963	2,884	0	2,884	921	\$3,109	N	\$3,109
264,000 dwt Pre-MARPOL	1.c. PU/CBT, 30% coverage, empty to extent feasible	\$2,550,898	3,502	0	3,502	2,884	0	2,884	-618	-4,128	N	-4,128
264,000 dwt MARPOL 73	2.a. HBL all tanks	\$5,476,493	1,556	0	1,556	3,803	0	3,803	2247	\$2,437	N	\$2,437
264,000 dwt MARPOL 73	2.b. HBL, equivalent to regulation 13G	\$3,351,468	1,946	0	1,946	3,803	0	3,803	1,857	\$1,805	N	\$1,805
264,000 dwt Pre-MARPOL	3. PU/Spaces as in 1.c. and HBL as in 2.b.	\$3,910,914	2,063	0	2,063	2,884	0	2,884	821	\$4,764	N	\$4,764
264,000 dwt Pre-MARPOL	4. Retrofit double bottom	\$6,935,084	2,150	0	2,150	2,884	0	2,884	734	\$9,448	N	\$9,448
264,000 dwt Pre-MARPOL	5. Retrofit double sides	\$10,000,782	2,276	0	2,276	2,884	0	2,884	608	\$16,449	N	\$16,449