

**Best Available Retrofit Technology (BART)-Eligible Emission Units Table
March 9, 2007**

Table 1

Note: Units highlighted in green on Table 1 are Emission Units that were omitted from the list submitted to WRAP for modeling but which fall within the BART-eligible timeframe.

<i>BART-eligible Source Number for purposes of 18 AAC 50.260</i>	<i>Existing Stationary Facility /Stationary Source Name</i>	<i>AFS ID Number</i>	<i>Emission Unit Number</i>	<i>Emission Unit Name or Tag Number</i>	<i>Emission Unit Description</i>	<i>Unit's NO_x PTE (in TPY)</i>	<i>Unit's SO₂ PTE (in TPY)</i>	<i>Unit's PM₁₀ PTE (in TPY)</i>	<i>Unit's NH₃ PTE (in TPY)</i>	<i>Explanatory Comments for Eligibility Answer</i>
1	Anchorage Municipal Light and Power, George Sullivan Plant Two	0202000001	1	GTG-5 Gas Turbine Generator	Westinghouse W-251-B2					INCLUDE
			2	GTG-7 Gas Turbine Generator	General Electric Frame 7 - PG7981					INCLUDE
2	Golden Valley Electric Association, Healy Power Plant	0229000002	1	Unit #1	Foster-Wheeler Boiler pulverized coal fired steam generator with a 12 module ICA baghouse					INCLUDE
			3	Aux Heater #1	Cleaver Brooks CB 300-15 Standby process and building heater					INCLUDE
			5	Diesel Generator #1	Electro-Motive Diesel EMD 29-645-E4 Standby diesel electric generator set					Exclude, emergency use only 391

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3	Agrium, Kenai Nitrogen Operations Plant	0212200021	1	D-107	CO2 Vent					Exclude, NH3 and VOC
			2	B-101	Primary Reformer					INCLUDE
			3	B-110	Startup Heater					Exclude, start-up
			4	V-106	Organic Sulfur Removal Unit Vent					INCLUDE
			5	F-113	Amine Plant Fat Flasher Vent					Exclude, NH3 and VOC
			6	F-105	Deaerator					Exclude, NH3 and VOC
			7	F-130	Wet Reformed Gas Vent					Exclude, NH3 and VOC and start-up
			8	F-168	Ammonia Drain Tank Vent					Exclude, event based NH3
			12	B-201	Primary Reformer					INCLUDE
			13	B-200	Startup Heater					Exclude, start-up
			14	D-207	CO2 Vent					Exclude, NH3 and VOC
			15	H-205	Organic Sulfur Removal Unit Vent					INCLUDE
			16	H-269	Amine Fat Flasher Vent					Exclude, NH3 and VOC
			17	F-263	PC Stripper Surge Tank Vent					Exclude, NH3 and VOC
			18	F-205	Deaerator					Exclude, NH3 and VOC
			19	C-200	H2 Vent Stack (dry gas vent)					Exclude, NH3 and VOC and start-up
			20	H-260	PC Stripper Steam KO Drum					Exclude, event based NH3

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3 (cont)	Agrium, Kenai Nitrogen Operations Plant (cont)	0212200021 (cont)	21	F-287	Ammonia Drain Tank Vent					Exclude, event based NH3
			24	GC-401A	CO ₂ Compressor					INCLUDE
			25	GC-401B	CO ₂ Compressor					INCLUDE
			27	P-405	Urea Prill Tower					INCLUDE
			28	D-405	Atmospheric Absorber Vent					Exclude, event based NH3
			29	D-406	Tank Vent Scrubber					Exclude, event based NH3
			30	F-410	Crystalizer Hotwell Vent					Exclude, NH3 and VOC
			31	F-409	Urea Surge Tank Vent					Exclude, NH3 and VOC
			32	D-407	Vent Scrubber					Exclude, NH3 and VOC
			33	D-408	Inerts Vent Scrubber					Exclude, NH3 and VOC
			34	E-611	Cooling Tower					Exclude, NH3 and VOC
			35	C-560A	Granulator A/B Scrubber Exhaust Vent Stack					INCLUDE
			36	C-560B	Granulator C/D Scrubber Exhaust Vent Stack					INCLUDE
			37	D- 515	Atmospheric Absorber Final Scrubber					Exclude, NH3 and VOC
38	D-511	Inerts Vent Scrubber					Exclude, NH3 and VOC			

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3 (cont)	Agrium, Kenai Nitrogen Operations Plant (cont)	0212200021 (cont)	39	E-535	After Condenser Exchanger					Exclude, NH3 and VOC
			40	E-711	Cooling tower					Exclude, NH3 and VOC
			41	D-514	Tank Scrubber					Exclude, NH3 and VOC
			42	B-600A	Package Boiler					INCLUDE
			43	B-600B	Package Boiler					INCLUDE
			44	B-600C	Package Boiler					INCLUDE
			45	F-1700	Used Oil Tank Vent					Exclude, NH3 and VOC
			46	F-1715	Oil/Water Separator Tank					Exclude, NH3 and VOC
			47		Urea Loading Wharf					INCLUDE
			48	B-700A	Package Boiler					INCLUDE
			49	B-700B	Package Boiler					INCLUDE
			55	GGT-744A	Solar Turbine/Generator Set					INCLUDE
			56	GGT-744B	Solar Turbine/Generator Set					INCLUDE
			57	GGT-744C	Solar Turbine/Generator Set					INCLUDE
			58	GGT-744D	Solar Turbine/Generator Set					INCLUDE
			59	GGT-744E	Solar Turbine/Generator Set					INCLUDE
60	F-791	Deaerator Vent					Exclude, NH3 and VOC			

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3 (cont)	Agrium, Kenai Nitrogen Operations Plant (cont)	0212200021 (cont)	61	F-711	Degasifier Vent					Exclude, NH3 and VOC
4	Alyeska, Valdez Marine Terminal	0226100019	1	52-SG-1A	Combustion Engineering Power Boiler					INCLUDE
			2	52-SG-1B	Combustion Engineering Power Boiler					INCLUDE
			3	52-SG-1C	Combustion Engineering Power Boiler					INCLUDE
			4	53-IN-1A	John Zink Waste Gas Incinerator					INCLUDE
			5	53-IN-1B	John Zink Waste Gas Incinerator					INCLUDE
			6	53-IN-1C	John Zink Waste Gas Incinerator					INCLUDE
			9	58-G-1	SS 69937 Lifeline Generator					INCLUDE
			13	54-P-3AD	Cummins KTA-2300-FS East					INCLUDE
			14	54-P-3BD	Cummins KTA-2300-FS East					INCLUDE
			15	55-P-3AD	Cummins KTA-2300-FS West					INCLUDE
16	55-P-3BD	Cummins KTA-2300-FS West					INCLUDE			

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5	Chugach Electric, Beluga Power Plant	0212200031	1	GE Frame 5 Turbine	Power Unit No. 1					Exclude, facility not BART-eligible
			2	GE Frame 5 Turbine	Power Unit No. 2					Exclude, facility not BART-eligible
			3	GE Frame 7 Turbine	Power Unit No. 3					Exclude, facility not BART-eligible
			5	GE Frame 7 Turbine	Power Unit No. 5					Exclude, facility not BART-eligible
			6	Brown Boveri Turbodyne 11D4 Turbine	Power Unit No. 6					Exclude, facility not BART-eligible
			7	Brown Boveri Turbodyne 11D4 Turbine	Power Unit No. 7					Exclude, facility not BART-eligible
			10	CAT G-398 Natural Gas Generator	Backup AC Generator					Exclude, facility not BART-eligible
6	ConocoPhillips Alaska, Inc., Kenai LNG Plant	0212200006	1	General Electric Frame 5/1 Model LA	Compressor Drive – Propane Cycle #151					INCLUDE
			2	General Electric Frame 5/1 Model LA	Compressor Drive – Propane Cycle #152					INCLUDE

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6 (cont)	ConocoPhillips Alaska, Inc., Kenai LNG Plant (cont)	0212200006 (cont)	3	General Electric Frame 5/1 Model LA	Compressor Drive – Ethylene Cycle #251					INCLUDE
			4	General Electric Frame 5/1 Model LA	Compressor Drive – Ethylene Cycle #252					INCLUDE
			5	General Electric Frame 5/1 Model LA	Compressor Drive – Methane Cycle #351					INCLUDE
			6	General Electric Frame 5/1 Model LA	Compressor Drive – Methane Cycle #352					INCLUDE
			7	General Electric Frame 3/1 ¹	Compressor Drive – Fuel System #701					Exclude, Unit was replaced
			8	Erie City 9M Boiler	Boiler #501					INCLUDE
			9	Erie City 9M Boiler	Boiler #502					INCLUDE
			10	Erie City 9M Boiler	Boiler #511					INCLUDE
			11	Caterpillar D-379	Standby Generator					Standby Status?

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6 (cont)	ConocoPhillips Alaska, Inc., Kenai LNG Plant (cont)	0212200006 (cont)	15	Ground Flare (including pilot)	Safety Flare					INCLUDE
7	Tesoro Kenai Refinery	0212200066	1	H-101A	Crude Heater					INCLUDE
			2	H-101B	Crude Heater					INCLUDE
			3	H-201	Powerformer Preheater					INCLUDE
			4	H-202	Powerformer Preheater					INCLUDE
			5	H-203	Powerformer Preheater					INCLUDE
			12	H-609	Hot Oil Heater					INCLUDE
			15	H-701	Fired steam generator					INCLUDE
			16	H-702	Fired steam generator					INCLUDE
			36	P-605A	North Caterpillar CAT G399					INCLUDE
			37	P-605B	South Caterpillar CAT G399					INCLUDE
			38	P-708A	North Cummins NHS6-1F					INCLUDE, as per EPA
			39	P-708B	South Cummins NHS6-1F					INCLUDE, as per EPA
41	P-719C	Cooling Tower CAT G333					INCLUDE			

**Best Available Retrofit Technology (BART) Eligible Emission Units
VOC-only Units
March 9, 2007
Table 2**

<i>BART-eligible Source Number for purposes of 18 AAC 50.260</i>	<i>Existing Stationary Facility /Stationary Source Name</i>	<i>AFS ID Number</i>	<i>Emission Unit Number</i>	<i>Emission Unit Name or Tag Number</i>	<i>Emission Unit Description</i>	<i>Unit's VOC PTE (in TPY)</i>	<i>Unit's VOC Actual Emissions (in TPY)</i>	<i>Explanatory Comments for Eligibility Answer</i>
4	Alyeska, Valdez Marine Terminal	0226100019	21	Settling Tank	Storage Tank for water recovered from TBP			
			29	54-TK-1	East Tank Farm: Crude Oil Storage Tank			
			30	54-TK-2	East Tank Farm: Crude Oil Storage Tank			
			31	54-TK-3	East Tank Farm: Crude Oil Storage Tank			
			32	54-TK-4	East Tank Farm: Crude Oil Storage Tank			
			33	54-TK-5	East Tank Farm: Crude Oil Storage Tank			
			34	54-TK-6	East Tank Farm: Crude Oil Storage Tank			
			35	54-TK-7	East Tank Farm: Crude Oil Storage Tank			

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4 (cont)	Alyeska, Valdez Marine Terminal (cont)	0226100019 (cont)	36	54-TK-8	East Tank Farm: Crude Oil Storage Tank			
			37	54-TK-9	East Tank Farm: Crude Oil Storage Tank			
			38	54-TK-10	East Tank Farm: Crude Oil Storage Tank			
			39	54-TK-11	East Tank Farm: Crude Oil Storage Tank			
			40	54-TK-12	East Tank Farm: Crude Oil Storage Tank			
			41	54-TK-13	East Tank Farm: Crude Oil Storage Tank			
			42	54-TK-14	East Tank Farm: Crude Oil Storage Tank			
			43	55-TK-15	West Tank Farm: Crude Oil Storage Tank			
			44	55-TK-16	West Tank Farm: Crude Oil Storage Tank			

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4 (cont)	Alyeska, Valdez Marine Terminal (cont)	0226100019 (cont)	45	55-TK-17	West Tank Farm: Crude Oil Storage Tank			
			46	55-TK-18	West Tank Farm: Crude Oil Storage Tank			
			47	Berths 1	Loading Berth w/o Vapor Collection			
			48	Berth 3	Loading Berth w/o Vapor Collection			
			49	Berth 4	Loading Berth w/ Vapor Collection			
			50	Berth 5	Loading Berth w/ Vapor Collection			
			57	51-TK-80	Recovered Crude Oil Tank (Ballast Water Treatment)			
			58	51-TK-81	Recovered Crude Oil Tank (Ballast Water Treatment)			
			59	51-TK-92	Ballast Water Storage Tank (Ballast Water Treatment)			

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4 (cont)	Alyeska, Valdez Marine Terminal (cont)	0226100019 (cont)	60	51-TK-93	Ballast Water Storage Tank (Ballast Water Treatment)			
			61	51-TK-94	Ballast Water Storage Tank (Ballast Water Treatment)			
			68	51-FC-1	Dissolved Air Flotation Tank			
			69	51-FC-2	Dissolved Air Flotation Tank			
			70	51-FC-3	Dissolved Air Flotation Tank			
			71	51-FC-4	Dissolved Air Flotation Tank			
			72	51-FC-5	Dissolved Air Flotation Tank			
			73	51-FC-6	Dissolved Air Flotation Tank			
			74	None	Dissolved Air Flotation Effluent Channel			
7	Tesoro Kenai Refinery	0212200066	49	TK-03	DF A			
			52	TK-06	Anti-Icing Agent			
			53	TK-07	Anti-Icing Agent			
			54	TK-08	Ballast Water			
			55	TK-09	Recovered Oil			

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7 (cont)	Tesoro Kenai Refinery (cont)	0212200066 (cont)	56	TK-10	LSR/Isomerase – floating roof			
			57	TK-11	Crude			
			61	TK-20	Low S VTB/Cutter/LCO			
			62	TK-22	DF A/Jet A/DF 2			
			66	TK-30	DF 2/Jet A			
			67	TK-31	DF 2/DF 1			
			68	TK-32	DF A/Jet A			
			69	TK-33	Bunker/VTB			
			70	TK-34	Fire water			
			71	TK-35	DF 2/DF A			
			73	TK-37	Cutter/Jet A			
			74	TK-39	Hot Oil/Jet A			
			75	TK-40	UL/P UL – floating roof			
			76	TK-41	UL/P UL – floating roof			
			77	TK-42	Asphalt/Bunker			
			78	TK-45	Naphtha – floating roof			
			79	TK-51	Asphalt/VTB			
			83	TK-60	UL/Sidecut – floating roof			
			84	TK-61	Jet B/Sidecut – floating roof			
			85	TK-62	P UL/UL – floating roof			
			86	TK-63	UL – floating roof			
			87	TK-64	UL – floating roof			

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7 (cont)	Tesoro Kenai Refinery (cont)	0212200066 (cont)	88	TK-65	UL – floating roof			
			89	TK-66	UL – floating roof			
			90	TK-70	Butane			
			91	TK-80	Propane			
			93	TK-95	Asphalt			
			94	TK-97	Asphalt Additive			
			95	TK-V-1400	DF A			
			96		Crude Unit			
			97		Powerformer			
			98		LPG Unit			
			105	04A	Slop Oil – floating roof			
			108	96	Wastewater			