

PLAINTIFF'S EXHIBIT

SH-1919

*James Jackson 12712
Materials 1974-1982*

DPMC 01966.1

LAM 008490

JEP AREA LISTING AND MSDS BOOK INDEX							
BOOK	SUBSTANCE	SUPPLIER	MSDS #	EDITION	WPA N DEPARTMENT	UNIT/ZONE	USAGE
037	2-ETHYL HEXANOL	SHELL	5450	1985-10	THERMAL CRACKING	THERMAL CRACKING	MINOR
037	ACETONE	SHELL	5380	1985-07	THERMAL CRACKING	THERMAL CRACKING	MINOR
037	ACETYLENE	AIRCO	330988	1984-05	THERMAL CRACKING	THERMAL CRACKING	MISC.
037	ALVANIA EP GREASE 2	SHELL	57000	1985-09	THERMAL CRACKING	THERMAL CRACKING	LUBRICANT
037	AMMONIA	USS AGRI CHEMIC	327963	1985-08	THERMAL CRACKING	THERMAL CRACKING	MISC.
037	ASBESTOS	VERMONT ASBEST	327383	1979-08	THERMAL CRACKING	THERMAL CRACKING	MISC.
037	BENZENE	SHELL	7600	1985-11	THERMAL CRACKING	THERMAL CRACKING	MINOR
037	CARBON MONOXIDE	SHELL	REQUESTED	01-01-86	THERMAL CRACKING	THERMAL CRACKING	WASTE BYPR
037	CARBON MONOXIDE	MATHESON GAS	301710	1983-03	THERMAL CRACKING	THERMAL CRACKING	PRIMARY
037	CAT CRACKED CLARIFIED OIL	SHELL 852425	REQUESTED	01-01-86 3/86	WEST OPERATIONS	THERMAL CRACKING	PRIMARY
037	CAT CRACKED HEAVY GAS OIL	SHELL	52425	1985-11	THERMAL CRACKING	THERMAL CRACKING	PRIMARY
037	CAT CRACKED INTER. DISTILLATE	SHELL	REQUESTED	01-01-86	WEST OPERATIONS	THERMAL CRACKING	PRIMARY
037	CAT CRACKED LIGHT DISTILLATE	SHELL	REQUESTED	01-01-86	WEST OPERATIONS	THERMAL CRACKING	PRIMARY
037	CAUSTIC SODA 50%	PPG	327159	1984-05	THERMAL CRACKING	THERMAL CRACKING	MINOR
037	CCU SLURRY OIL	SHELL	74100	1983-01	THERMAL CRACKING	THERMAL CRACKING	MISC.
037	CHLORINE	PPG	328284	1984-06	THERMAL CRACKING	THERMAL CRACKING	MINOR
037	COKE FEED	SHELL	52372	1985-11	WEST OPERATIONS	THERMAL CRACKING	PRIMARY
037	CRACKED GASOLINE	SHELL	REQUESTED	01-01-86	WEST OPERATIONS	THERMAL CRACKING	PRIMARY
037	CRACKED RESIDUE	SHELL	REQUESTED	01-01-86	THERMAL CRACKING	THERMAL CRACKING	PRIMARY
037	CRACKED SOUR GAS	SHELL	REQUESTED	01-01-86	THERMAL CRACKING	THERMAL CRACKING	PRIMARY
037	CUMENE	SHELL	307	1985-11	THERMAL CRACKING	THERMAL CRACKING	MINOR
037	CUTTER STOCK	SHELL	52470	1982-01	THERMAL CRACKING	THERMAL CRACKING	MISC.
037	CYCLOPENTENE	SHELL	REQUESTED	05-01-86	THERMAL CRACKING	THERMAL CRACKING	MINOR
037	DICYCLOPENTADIENE	SHELL	50130	1985-11	THERMAL CRACKING	THERMAL CRACKING	MINOR
037	DIESEL FUEL	SHELL	52306	1982-12	THERMAL CRACKING	THERMAL CRACKING	PRIMARY
037	DOLIUM GREASE R	SHELL	56470	1985-09	THERMAL CRACKING	THERMAL CRACKING	LUBRICANT
037	ETHYL BENZENE	SHELL	REQUESTED	05-01-86	THERMAL CRACKING	THERMAL CRACKING	MINOR
037	ETHYLENE DICHLORIDE	SHELL	7480	1981-08	THERMAL CRACKING	THERMAL CRACKING	MINOR
037	FLASH DISTILLATE	SHELL	REQUESTED	01-01-86	THERMAL CRACKING	THERMAL CRACKING	PRIMARY
037	FUEL OIL #6	SHELL	52368	1985-11	THERMAL CRACKING	THERMAL CRACKING	LUBRICANT
037	FURNACE CHARGE	SHELL	REQUESTED	01-01-86	WEST OPERATIONS	THERMAL CRACKING	PRIMARY
037	FURNACE OUTLET	SHELL	REQUESTED	01-01-86	WEST OPERATIONS	THERMAL CRACKING	PRIMARY
037	GAS OIL SOLVENT EXTRACT	SHELL	830043	1985-08	THERMAL CRACKING	THERMAL CRACKING	PRIMARY
037	HEAVY FLASHER TOPS	SHELL	REQUESTED	01-01-86	THERMAL CRACKING	THERMAL CRACKING	PRIMARY
037	HYDROGEN SULFIDE	SHELL	100240	1983-10	THERMAL CRACKING	THERMAL CRACKING	PRIMARY
037	HYDROGEN CHLORIDE	SHELL	200180	1981-03	THERMAL CRACKING	THERMAL CRACKING	MINOR
037	ISOPRENE	SHELL	9137	1982-06	THERMAL CRACKING	THERMAL CRACKING	MINOR
037	ISOPROPYL ALCOHOL	SHELL	5120	1982-06	THERMAL CRACKING	THERMAL CRACKING	MINOR
037	LIGHT CAT CRACKED GAS OIL	SHELL	830010	1983-01	THERMAL CRACKING	THERMAL CRACKING	PRIMARY
037	LIGHT FLASHER TOPS	SHELL	REQUESTED	01-01-86	THERMAL CRACKING	THERMAL CRACKING	PRIMARY
037	LIGHT GAS OIL	SHELL	830018	1983-01	THERMAL CRACKING	THERMAL CRACKING	PRIMARY
037	LIGHT THERM CRACKED DISTILLATE	SHELL	830018	1983-01	WEST OPERATIONS	THERMAL CRACKING	PRIMARY
037	MARINE FUEL OIL	SHELL	52370	1982-01	THERMAL CRACKING	THERMAL CRACKING	PRIMARY
037	MERCAPTAN	SHELL	REQUESTED	01-01-86	THERMAL CRACKING	THERMAL CRACKING	MISC.
037	METHYL ETHYL KETONE	SHELL	5390	1985-08	THERMAL CRACKING	THERMAL CRACKING	MINOR
037	MYSELLA OIL 40	SHELL	60970	1985-10	THERMAL CRACKING	THERMAL CRACKING	LUBRICANT
037	NALCO 262	NALCO	308360	1976-05	THERMAL CRACKING	THERMAL CRACKING	ADDITIVE
037	NALCO 5471	NALCO	IN REVIEW	1984-02	THERMAL CRACKING	THERMAL CRACKING	ADDITIVE
037	NAPHTHA	SHELL	9930	1983-05	THERMAL CRACKING	THERMAL CRACKING	MISC.
037	NITROGEN	LINDE (UNION CAR	334556	1985-00	THERMAL CRACKING	THERMAL CRACKING	MISC.

** THIS LISTING SHOULD BE UPDATED WHEN CHANGES OCCUR. **

MSDS WORKING LIST BY DEPARTMENT

RCD#	BOOK	SUBSTANCE	SUPPLIER	MSDS #	EDITION	WPA N UNIT/ZONE	USAGE	USE PERIOD
51	037	2-ETHYL HEXANOL	SHELL	5450	1985-10		THERMAL CRACKING MINOR	0181-PRESENT
152	037	ACETONE	SHELL	5380	1985-07		THERMAL CRACKING MINOR	0181-PRESENT
174	037	ACETYLENE	AIRCO	330988	1984-05		THERMAL CRACKING MISC.	0181-PRESENT
269	037	ALVANIA EP GREASE 2	SHELL	57000	1985-09		THERMAL CRACKING LUBRICANT	0181-PRESENT
307	037	AMMONIA	USS AGRI CHEMICALS	327963	1985-08		THERMAL CRACKING MISC.	0181-PRESENT
416	037	ASBESTOS	VERMONT ASBESTOS	327383	1979-08		THERMAL CRACKING MISC.	0181-PRESENT
489	037	BENZENE	SHELL	7600	1985-11		THERMAL CRACKING MINOR	0181-PRESENT
825	037	CARBON MONOXIDE	SHELL	REQUESTED	01-01-86		THERMAL CRACKING WASTE BYPR	0181-PRESENT
834	037	CARBON MONOXIDE	MATHESON GAS	301710	1983-03		THERMAL CRACKING PRIMARY	0181-PRESENT
845	037	CAT CRACKED CLARIFIED OIL	SHELL	REQUESTED	01-01-86		THERMAL CRACKING PRIMARY	0181-PRESENT
847	037	CAT CRACKED HEAVY GAS OIL	SHELL	52425 53435	1982-01-11/85		THERMAL CRACKING PRIMARY	0181-PRESENT
848	037	CAT CRACKED INTER. DISTILLATE	SHELL	REQUESTED	01-01-86		THERMAL CRACKING PRIMARY	0181-PRESENT
849	037	CAT CRACKED LIGHT DISTILLATE	SHELL	REQUESTED	01-01-86		THERMAL CRACKING PRIMARY	0181-PRESENT
941	037	CAUSTIC SODA 50Z	PPG	327159	1984-05		THERMAL CRACKING MINOR	0181-PRESENT
955	037	CCU SLURRY OIL	SHELL	74100	1983-01		THERMAL CRACKING MISC.	0181-PRESENT
1003	037	CHLORINE	PPG	328284	1984-06		THERMAL CRACKING MINOR	0181-PRESENT
1093	037	COKE FEED	SHELL	52372 REQUESTED	01-01-86 11/85		THERMAL CRACKING PRIMARY	0181-PRESENT
1144	037	CRACKED GASOLINE	SHELL	REQUESTED	01-01-86		THERMAL CRACKING PRIMARY	0181-PRESENT
1145	037	CRACKED RESIDUE	SHELL	REQUESTED	01-01-86		THERMAL CRACKING PRIMARY	0181-PRESENT
1146	037	CRACKED SOUR GAS	SHELL	REQUESTED	01-01-86		THERMAL CRACKING PRIMARY	0181-PRESENT
1195	037	CUMENE	SHELL	307	1985-11		THERMAL CRACKING MINOR	0181-PRESENT
1279	037	CUTTER STOCK	SHELL	52470 53470	1982-01		THERMAL CRACKING MISC.	0181-PRESENT
1322	037	CYCLOPENTENE	SHELL	Requested 200154			THERMAL CRACKING MINOR	0181-PRESENT
1403	037	DICYCLOPENTADIENE	SHELL	50130	1985-11		THERMAL CRACKING MINOR	0181-PRESENT
1405	037	DIESEL FUEL	SHELL	52306	1982-12		THERMAL CRACKING PRIMARY	0181-PRESENT
1466	037	DOLIUM GREASE R	SHELL	56470	1985-09		THERMAL CRACKING LUBRICANT	0181-PRESENT
1918	037	ETHYL BENZENE	SHELL	Requested 8160			THERMAL CRACKING MINOR	0181-PRESENT
1942	037	ETHYLENE DICHLORIDE	SHELL	7480	1981 AUG		THERMAL CRACKING MINOR	0181-PRESENT
2043	037	FLASH DISTILLATE	SHELL	REQUESTED	01-01-86		THERMAL CRACKING PRIMARY	0181-PRESENT
2093	037	FUEL OIL #6	SHELL	52368 53468	1982-JAN 11/85		THERMAL CRACKING LUBRICANT	0181-PRESENT
2097	037	FURNACE CHARGE	SHELL	REQUESTED	01-01-86		THERMAL CRACKING PRIMARY	0181-PRESENT
2102	037	FURNACE OUTLET	SHELL	REQUESTED	01-01-86		THERMAL CRACKING PRIMARY	0181-PRESENT
2188	037	HEAVY FLASHER TOPS	SHELL	REQUESTED	01-01-86		THERMAL CRACKING PRIMARY	0181-PRESENT
2191	037	HEAVY GAS OIL <i>Thermal Crk Dist.</i>	SHELL	830019	1983 JAN		THERMAL CRACKING PRIMARY	0181-PRESENT
2371	037	HYDROGEN CHLORIDE	SHELL	200180	1981 MAR		THERMAL CRACKING MINOR	0181-PRESENT
2387	037	HYDROGEN SULFIDE	SHELL	100240	1983 OCT		THERMAL CRACKING PRIMARY	0181-PRESENT
2478	037	ISOPRENE	SHELL	9137	1982 JUN		THERMAL CRACKING MINOR	0181-PRESENT
2493	037	ISOPROPYL ALCOHOL	SHELL	5120	1982 JUN		THERMAL CRACKING MINOR	0181-PRESENT
2633	037	LIGHT CAT CRACKED GAS OIL	SHELL	830010	1983 JAN		THERMAL CRACKING PRIMARY	0181-PRESENT
2636	037	LIGHT FLASHER TOPS	SHELL	REQUESTED	01-01-86		THERMAL CRACKING PRIMARY	0181-PRESENT
2637	037	LIGHT GAS OIL <i>Thermal Crk Dist.</i>	SHELL	830018	1983-JAN		THERMAL CRACKING PRIMARY	0181-PRESENT
2644	037	LIGHT THERM CRACKED DISTILLATE	SHELL	830018 REQUESTED	01-01-86 1/83		THERMAL CRACKING PRIMARY	0181-PRESENT
2706	037	LUBE PLANT EXTRACT <i>Gas oil Sol. Extr.</i>	SHELL	830043	1983-MAR 8/85		THERMAL CRACKING PRIMARY	0181-PRESENT
2733	037	MARINE FUEL OIL	SHELL	52370	1982 JAN		THERMAL CRACKING PRIMARY	0181-PRESENT
2762	037	MERCAPTAN	SHELL	REQUESTED	01-01-86		THERMAL CRACKING MISC.	0181-PRESENT
2850	037	METHYL ETHYL KETONE	SHELL	5390	1985 AUG		THERMAL CRACKING MINOR	0181-PRESENT
3025	037	MYSELLA OIL 40	SHELL	60970	1982-JUN 10/85		THERMAL CRACKING LUBRICANT	0181-PRESENT
3068	037	NALCO 262	NALCO	308360	1976 MAY		THERMAL CRACKING ADDITIVE	0181-PRESENT
3077	037	NALCO 5471	NALCO	IN REVIEW	1984-02		THERMAL CRACKING ADDITIVE	0181-PRESENT
3089	037	NAPHTHA	SHELL	9930	1983 MAY		THERMAL CRACKING MISC.	0181-PRESENT
3183	037	NITROGEN	LINDE(UNION CARBIDE)	334556	1985 000		THERMAL CRACKING MISC.	0181-PRESENT
3200	037	NORMAL BUTANE	SHELL	50070	1982 JAN		THERMAL CRACKING PRIMARY	0181-PRESENT
3258	037	OMALA OIL 220	SHELL	67500	1982-JUL 85-8		THERMAL CRACKING LUBRICANT	0181-PRESENT
3309	037	OXYGEN	BIG THREE	334191	1984 APR		THERMAL CRACKING MISC.	0181-PRESENT
3340	037	PC-49 COLD CLEANER	HOUSTON SOLVENT	325540	1978 JAN		THERMAL CRACKING MISC.	0181-PRESENT
3379	037	PHENOL	SHELL	64	1982-JAN 11/85		THERMAL CRACKING MINOR	0181-PRESENT
3389	037	PHENOL BOTTOMS	SHELL	7380	1982 JAN		THERMAL CRACKING MINOR	0181-PRESENT

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