

Approved List of Chemicals for K Area Interim Surveillance (KIS) Related Systems

NOTE: Per NMMP 14.01, all chemicals **PRIOR** to being brought into the KAC must be approved by the NMM Chemical Coordinator and/or Environmental Compliance Authority. For chemicals impacting KIS related systems, the NMM CC and/or ECA approval is required.

System	System Location	MSDS Number	Chemical Name	Manufacturer	Storage Location	Use
Digital Radiography (DR) Unit	Chiller Room Area	36737-1	Shell S.5585 Oil	Shell & DEA Oil GMBH	Chiller Room Area	DR Unit oil cooler
		35005-1	Shell Diala G GETR Oil	Shell & DEA Oil GMBH	Chiller Room Area	DR Unit Transformers
		29356-1	Freon (R22) (Chlorodifluoromethane)	Air Liquide	Chiller Room Area	DR Chiller Unit
		39152-1	Wacker Silicone Paste P4	Wacker-Chemie GMBH	918 MAC Room	ADRS High Voltage Connectors
Fire Suppression	Assembly Area/KIS	31463-1	FM-200	Great Lake Chemical	Assembly Area	Fire Suppression in KIS Vault
	KIS DE Room	7973-1	Magnorite M-70 (Magnesium Oxide Sand)	Norton Company	DE Room/Glovebox	Fire Suppression in GB
Diesel Generator	Outside by Stack Area	38418-1	No 2 Diesel Fuel	Conoco Phillips	Diesel Fuel Tank	KIS Emergency Diesel
		14210-1	Anitfreeze	Ashland Chemical Inc.	Diesel	KIS Emergency Diesel
		15975-1	Diesel Lube Oil R-25 SAE 30	Conoco	Diesel	KIS Emergency Diesel
DE Process	KIS DE Room	28505-1	Baby Powder	Cumberland-Swan	918 MAC Room	GB gloves
		38002-1	HiTop/Desiccant Family of Hydrogen/Water Absorbers (Hydrogen Getter)	Vacuum Energy	+15 Room 417	Hydrogen gas absorption in daughter cans
		29353-1	Carbon Dioxide Gas (CO2)	Air Liquide	Chiller Room Area	Inerting PCVs
		29045-1	Nitrogen Gas (N2)	Air Liquide	Chiller Room Area	Leak Test PCVs & Inerting CPD
		13263-1	Silicone Oil	Hach Company	918 MAC Room	DPTE decon
		7937-1	Leak-Tec 277C	American Gas & Chemical Co. Ltd	918 MAC Room / DE Room Glovebox	Drillbit leak check
		936-1	Dow Corning 7 Release Compound	Dow Corning	918 MAC Room	Potential maintenance activities
		32386-1	Loctite 660 Quick Metal Retaining Compound	Loctite Corp	918 MAC Room	Glue angle iron to GB for scale
		36058-1	Superbonder 495 Instant Adhesive	Henkel Loctite Corp	918 MAC Room	Glue angle iron to GB for scale
		26852-1	Polystar RB 2 (01915) Grease (NIG-2 A223)	Texaco	919 MAC Room	Cutter wheel
NDE Process	KIS NDE Room	6381-1	Silicon High Vacuum Grease	Dow Corning Corp.	918 MAC Room	PCV/SCV O-Rings
		8815-1	Krytox Grease	E. I. Dupont	918 MAC Room	PCV/SCV Threads
		11565-1	Ethyl Alcohol	Aaper Alcohol & Chemical Co.	918 MAC Room	PCV/SCV Thread Cleaning
Assay Systems (SWAS, NMC, Calorimeter, PG/GIC)	KIS Vault	3259-2	Liquid Nitrogen	BOC Gasses	Chiller Room Area	Various Assay Systems Cooling
PCM-1B	Room 910-A	29289-1	P-10 Gas	Air Liquide	Chiller Room Area	PCM-1B

Container Volume	Material ID Number	Annual Use Reporting	CY2007 Estimated Usage
9 gallons	36737-1-1	closed system	0 (no chemical added)
50 gallons total	none	closed system	0 (no chemical added)
6.5 lbs	32-529.00	closed system	0 (no chemical added)
90 mL tubes	39152-1-1	report	1
400 lb cylinders	31463-1-17	only if triggered	0
5 gallons	7973-1-2	only if replaced	0
145 gallons	38418-1-1	outside group	NA
3 gallons	14210-1-2	outside group	NA
10.5 quarts	15975-1-1	outside group	NA
15 oz	17-91000.00	exempt	NA
0.5 kg per can	38002-1-1	report	22
50 lb cylinders	29353-2-1, 32-524.00	report	1
234 fl3 cylinders	32-542.00, 29045-1-3	report	2
15 mL bottle	13263-1-3	report	1
4 fl oz (0.5 oz in GB)	5-3847.00, 7937-1-9	report	1
5 oz	22-2130.00	report	0
15 mL bottle	32386-1-1	report	0
1 oz bottle	5-1708.15	report	0
14 oz	26852-1-4, 22-770.00	report	1
5.3 oz tubes	22-2120.00, 6381-1-13	report	0
8 oz tubes	22-2160.00	report	2
1 gallon	11565-1-2, 6-810.00	report	0
30 L	3259-1-4	report	12
225 fl3 cylinders	32-556.00	outside group	0 (monitor relocated outside of KIS)

Approved By NMM Chemical Coordinator: Douglas J. Wilbanks / signed copy on file
 Print / Signature _____ Date _____

Approved By NMM ECA: Betsy L. Westover / signed copy on file
 Print / Signature _____ Date _____