

Appendix F Hazardous Material Inventory Statement

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Hazardous Material Inventory Statement

**COYOTE CANYON RNG PROJECT
HAZARDOUS MATERIAL INVENTORY STATEMENT**

CHEMICAL or TRADE NAME	CONC (%)	CAS NUMBER	PHYSICAL STATE	AMOUNT (LBS)	NFPA 704 RATING			
					H	F	R	S/H
METHANE	36-97	74-82-8	GAS	157	0	4	0	
HYDROGEN SULFIDE	0.00477	7783-06-4	GAS	0.01	4	4	3	
CARBON DIOXIDE	0.8-44	124-38-9	GAS	243	2	0	0	SA
NITROGEN	100	7727-37-9	LIQUID	10,064	3	0	0	
BSR-50				26,130	0	0	0	
ZINC OXIDE	20-60		SOLID					
IRON HYDROXIDE OXIDE	20-60		SOLID					
SILICON DIOXIDE	5-30		SOLID					
WATER (ABSORBED)	< 15		-					
F200 1/8" ALUMINUM OXIDE	80-100	1344-28-1	SOLID	19,206	1	0	0	
GRADE 06 SILICON OXIDE	99-100	7631-86-9	SOLID	26,712	1	0	0	
OXIGONE 230				1,700	0	0	0	
PLATINUM OXIDE	< 1	1314-15-4	SOLID					
ALUMINUM OXIDE	BALANCE	1344-28-1	SOLID					
NORBIT ACTIVATED CARBON	100	7440-44-0	SOLID	26,366	1	2	0	
RC-INERT BALLS				14,280	1	0	0	
SILICON DIOXIDE	50-70	1840860-7	SOLID					
ALUMINUM OXIDE	10-30	1344-28-1	SOLID					
TITANIUM OXIDE	0-2	13463-67-7	SOLID					
FERRIC OXIDE	0-2	1309-37-1	SOLID					
MAGNESIUM OXIDE	0-1	1309-48-4	SOLID					
POTASSIUM OXIDE	0-5	12136-45-7	SOLID					
SODIUM OXIDE	0-2	1313-59-3	SOLID					
MOISTURE	< 1	7732-18-5	-					
MSORB SYNTHETIC ZEOLITE	100	63231-69-6	SOLID	17,062	1	0	1	
SULFATRAP R7J			SOLID	6,303	2	0	0	
CUPRIC HYDROXIDE	> 60	20427-59-2						
POTASSIUM NITRATE	< 2	7757-79-1						
ALUMINUM OXIDE	< 10	1344-28-1						
SPOTLEAK 1039			LIQUID	895	2	4	0	
T-BUTYL MERCAPTAN	48-51	75-66-1						
TETRAHYDROTHIOPHENE	48-51	110-01-0						
REFRIGERANT R-410A			LIQUID	25.5	2	1	0	
DIFLOUROMETHANE	50	75-10-5						
PENTAFLUOROMETHANE	50	354-33-6						
LUBRICANT CPI-6005-150	100	N/A	LIQUID		1	1	0	
POLYALPHAOLEFIN								
DURING OPERATION				17,062				
DURING MAINTENANCE				34,123				
TRANSFORMER INSULATING OIL BIOTRAN-35								
VEGETABLE ESTER	99	N/A	LIQUID	19,916	0	0	0	
AGENT PACKAGE	1	N/A	LIQUID	201	0	0	0	

COYOTE CANYON RNG PROJECT VESSEL/TANK/PIPING INVENTORY														
DRAWING G2.00 TAG	NAME	FREE VOLUME (GAL)	DISPLACED VOLUME* (GAL)	MAWP (PSIG)	FUNCTION	CONTENTS	METHANE (%)	CO2 (%)	H2S (%)	CUFT	CH4 LBS	CO2 LBS	H2S LBS	OTHER LBS
5	H2S REMOVAL VESSEL	8500	3400	50	H2S REMOVAL FROM LANDFILL GAS	ADSORBANT MEDIA, LANDFILL GAS	43%	35%	0.005%	454	8.7	19.9	0.0021	
11	TSA ADSORBER VESSEL A	3700	1480	250	VOC & MOISTURE REMOVAL FROM LANDFILL GAS	ADSORBANT MEDIA, LANDFILL GAS	43%	35%	0	198	3.8	8.6	0.0000	
12	TSA ADSORBER VESSEL B	3700	1480	250	VOC & MOISTURE REMOVAL FROM LANDFILL GAS	ADSORBANT MEDIA, LANDFILL GAS	43%	35%	0	198	3.8	8.6	0.0000	
14	VOC POLISHING VESSEL	3700	1480	250	VOC REMOVAL FROM LANDFILL GAS	ADSORBANT MEDIA, LANDFILL GAS	43%	35%	0	198	3.8	8.6	0.0000	
45	H2S POLISHING BED	1000	400	250	TRACE H2S REMOVAL FROM LANDFILL GAS	ADSORBANT MEDIA, LANDFILL GAS	43%	35%	0.0002%	53	1.0	2.3	0.00001	
44	TSA BLOWDOWN TANK	30000	30000	150	BUFFER TANK TO RECYCLE PARTIALLY TREATED LANDFILL GAS.	PARTIALLY TREATED LANDFILL GAS	43%	35%	0	4,010	76.7	175.2	0.0000	
22	ADSORBER VESSELS N51 A/B/C	1455	582	150	NITROGEN REMOVAL FROM LANDFILL GAS	ADSORBENT MEDIA, PARTIALLY TREATED LANDFILL GAS	69%	0.53%	0	78	2.4	0.05	0.0000	
22	ADSORBER VESSELS N52 A/B/C	1455	582	150	NITROGEN REMOVAL FROM LANDFILL GAS	ADSORBENT MEDIA, PARTIALLY TREATED LANDFILL GAS	69%	0.53%	0	78	2.4	0.05	0.0000	
22	ADSORBER VESSELS N53 A/B/C	1455	582	150	NITROGEN REMOVAL FROM LANDFILL GAS	ADSORBENT MEDIA, PARTIALLY TREATED LANDFILL GAS	69%	0.53%	0	78	2.4	0.05	0.0000	
22	ADSORBER VESSELS N54 A/B/C	1455	582	150	NITROGEN REMOVAL FROM LANDFILL GAS	ADSORBENT MEDIA, PARTIALLY TREATED LANDFILL GAS	69%	0.53%	0	78	2.4	0.05	0.0000	
22	ADSORBER VESSELS N55 A/B/C	1455	582	150	NITROGEN REMOVAL FROM LANDFILL GAS	ADSORBENT MEDIA, PARTIALLY TREATED LANDFILL GAS	69%	0.53%	0	78	2.4	0.05	0.0000	
20	NRU BUFFER VESSEL	4000	4000	150	NRU WASTE GAS BUFFER TANK	WASTE GAS	15%	0%	0	535	3.5	0.00	0.0000	
32	NRU DRYER VESSEL #1	2000	800	150	TRACE MOISTURE REMOVAL FROM PRODUCT GAS	ADSORBENT MEDIA, PRODUCT GAS	97.0%	0.8%	0	107	4.6	0.11	0.0000	
33	NRU DRYER VESSEL #2	2000	800	150	TRACE MOISTURE REMOVAL FROM PRODUCT GAS	ADSORBENT MEDIA, PRODUCT GAS	97.0%	0.8%	0	107	4.6	0.11	0.0000	
34	NRU DRYER VESSEL #3	2000	800	150	TRACE MOISTURE REMOVAL FROM PRODUCT GAS	ADSORBENT MEDIA, PRODUCT GAS	97.0%	0.8%	0	107	4.6	0.11	0.0000	
NA	RNG FACILITY PIPING	8011	8011	250	PROCESS CONVEYANCE	LFG & PROCESS GAS	60.5%	14.5%	0.005%	1,071	29.0	19.2	0.0049	
DRAWING G5.02	SOCALGAS FACILITY PIPING	68	68	60	RNG METERING AND CONVEYANCE	RENEWABLE NATURAL GAS (RNG)	97.0%	0.8%	0	9	0.4	0.01	0.0000	
21	COMPRESSED AIR RECEIVER	1560	1560	165	STORAGE OF COMPRESSED AIR	AIR	-	-	-	209	-	-	-	
DRAWING G5.02	ODORANT TANK	120	120	150	STORAGE OF ODORANT LIQUID BY SOCALGAS	MERCAPTAN	-	-	-	16	-	-	-	895.2
6	LN2 TANK	1500	1500	250	STORAGE OF LIQUID NITROGEN TO VAPORIZE AND USE DURING STARTUP AND SHUTDOWN SYSTEM PURGING AND INERTING.	NITROGEN	-	-	-	201	-	-	-	10,064
47	CONDENSATE TANK	4200	4200	ATM	CONDENSATE COLLECTION AND HOLDING TANK, DISCHARGES TO SEWER.	LFG CONDENSATE	-	-	-	561	-	-	-	35,033
										SUM	156.7	243.05	0.007	

* DISPLACED VOLUME IS THE RESIDUAL FREE SPACE REMAINING ONCE THE VESSEL IS FILLED WITH MEDIA, AN AVERAGE OF 40% OF THE TOTAL VESSEL VOLUME