

GERALD,

THANK YOU FOR PROVIDING FURTHER EXPLANATION OF YOUR CONCERN ABOUT THE PROCEDURE USED TO DUMP MOLECULAR SIEVE. I WANTED TO BRIEFLY DESCRIBE THE PROCESS THAT F / C USES TO DUMP MOLECULAR SIEVE FROM OUR ABSORPTION BEDS.

EACH BED IS REGENERATED FOR AT LEAST 5 HRS AT 280 deg C. A PLOT PROFILE ON THE REGENERATION CYCLE IS OBTAINED TO ENSURE THAT THE BED WAS REGENERATED PROPERLY. THE BED IS THEN PADDED WITH NITROGEN (50 psig) AND THEN DEPADDED TO THE FLARE. THE BED IS PADDED AND DEPADDED THREE ADDITIONAL TIMES. A BLEED ON THE BED IS OPENED AND SNIFFED FOR COMBUSTIBLES. THE BED IS NOT OPENED UNLESS THE LEL IS LESS THAN 2%. IF THE LEL IS GREATER THAN 2%, THE BED IS REGENERATED AGAIN. AS THE MOLECULAR SIEVE IS DUMPED IT IS MOVED TO THE HAZARDOUS WASTE AREA AND PLACED IN FIBER PACKS. THE MOLECULAR SIEVE IS NOT WET AT ANY TIME DURING THE DUMPING PROCESS. THE MOLECULAR SIEVE CAN NOT BE REGENERATED IF IT IS WET. IN 1992 POLY C SAVED OVER \$85,000 BY USING REGENERATED MOLECULAR SIEVE AS OPPOSED TO USING NEW MOLECULAR SIEVE EACH TIME THE MEDIA IN THE ABSORPTION BEDS WAS CHANGED.

JERREL SMITH INFORMED ME THAT THE FORT NOW USES THE POLY C PROCEDURE FOR DUMPING MOLECULAR SIEVE FROM THEIR ABSORPTION BEDS.

PLEASE INFORM ME OF ADDITIONAL PRECAUTIONS THAT OTHER PLANTS TAKE IN REGARD TO DUMPING MOLECULAR SIEVE. IF YOU HAVE ANY QUESTIONS, PLEASE CALL ME AT 353-6255 OF VAX ME AT LACSDC:U097151.

THANKS,

AUDRA D. WILLIAMS

DO A 018047
CONFIDENTIAL

REGENERATED MEDIA
1992

REGENERATED MEDIA USED	\$64,800
IF NEW MEDIA WERE USED	\$125,824
DISPOSAL COST	\$24,706
SAVINGS	\$85,730

RAR
5/27/93

DO A 018048
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MEDIA PRICES FOR MEDIA CHANGE

Y-211-A

7200# - 1/16" 13X PG MOLECULAR SIEVE - \$1.79/#	\$12,888	(\$5,400)
275# - 1/8" 13X PG MOLECULAR SIEVE - \$2.58/#	\$ 710	(\$ 710)
1600# - 1/8" F-200 ACTIVATED ALUMINA - \$.68/#	\$ 1,088	(\$1,200)
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SUB TOTAL	\$14,686	(\$7,310)

Y-211-B

7200# - 1/16" 13X PG MOLECULAR SIEVE - \$1.79/#	\$12,888	(\$5,400)
275# - 1/8" 13X PG MOLECULAR SIEVE - \$2.58/#	\$ 710	(\$ 710)
1600# - 1/8" F-200 ACTIVATED ALUMINA - \$.68/#	\$ 1,088	(\$1,200)
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SUB TOTAL	\$14,686	(\$7,310)

Y-611-A

7200# - 1/16" 13X PG MOLECULAR SIEVE - \$1.79/#	\$12,888	(\$5,400)
275# - 1/8" 13X PG MOLECULAR SIEVE - \$2.58/#	\$ 710	(\$ 710)
1600# - 1/8" F-200 ACTIVATED ALUMINA - \$.68/#	\$ 1,088	(\$1,200)
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SUB TOTAL	\$14,686	(\$7,310)

Y-611-B

8400# - 1/16" 4A DG MOLECULAR SIEVE - \$1.26/#	\$10,584	(\$6,300)
300# - 1/8" 4A DG MOLECULAR SIEVE - \$2.19/#	\$ 657	(\$ 657)
1600# - 1/8" F-200 ACTIVATED ALUMINA - \$.68/#	\$ 1,088	(\$1,200)
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SUB TOTAL	\$12,329	(\$8,157)

TOTAL	-----	-----
	\$56,387	(\$30,057)

RAR
4/14/93

DO A 018049
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MEDIA REGENERATED
1992

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DATE	AMOUNT REGENERATED	COST NEW	COST REGENERATED	COST DISPOSE	COST SAVING
4-13/92	25,600#	32,508	19,350	7,288	20,446
4-21/92	28,600#	36,036	21,450	8,085	22,671 22,446
6-4/92	32,000# 26,600#	57,280 47,614	24,000 19,750	9,333 7,758	42,613 35,420
TOTAL	81,000# 86,400	116,158 125,824	60,750 64,800	23,129 24,706	70,812 85,130

COST OF NEW 4A DG \$1.26 PER LB.
COST OF NEW 13X PG \$1.79 PER LB.
COST TO REGENERATE AND SCREEN \$.75 PER LB.
COST TO DISPOSE \$.20 PER LB
COST OF 45 GAL. FIBER PACK \$23.65 EACH

Rec. Media - used - \$4,800

if new Media. 125,824
Deposit Cost = 24,706

SAVINGS -

MEDIA REGENERATED.

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REGENERATED MEDIA

1994:

BED NO.	1/2" SUP. BALL	1/4" SUP. BALL	1/8" MEDIA	1/16" MEDIA	1/4" ACT. ALU.	TOTAL#
Y-211A	6 CU. FT.	6 CU. FT.	275#	7100#	1600#	9665#
Y-221A	6 CU. FT.	6 CU. FT.	275#	7100#	1600#	9665#
Y-221B	6 CU. FT.	6 CU. FT.	275#	7100#	1600#	9665#
Y-631A B	12 CU. FT.	12 CU. FT.	550#	15500#	3200#	20630#
Y-801B	2 CU. FT.	2 CU. FT.	275#	1600#	200#	2305#
Y-802	2 CU. FT.	2 CU. FT.	275#	1700#	200#	2405#
Y-802B	3 CU. FT.	3 CU. FT.	275#	3000#	200#	3820#
TOTAL#	2035#	2220#	2200#	43100#	8600#	58155#
COST NEW	\$2,331	\$2,479	\$3,740	\$73,270	\$5,418	\$87,238
COST REG	\$1,526	\$1,665	\$1,650	\$32,325	\$6,450	\$43,616
DISPOSAL COST						\$18,028

REGENERATED MEDIA USED	\$43,616
COST IF NEW MEDIA WERE USED	\$87,238
DISPOSAL COST	\$18,028
SAVINGS	\$61,650

Ray O. R...
1/18/95

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