Boiler Capacity	Hrs of Operation	Heat Release	LNB/FGR/SCR Cost	Annual (Operating Costs					Total
(MMBtu/hr)	(hr/yr)	(MMBtu/yr)	Annualized	NH3 Cost*	SCR	FGR Fan***	Fuel****	FD Fan	SCR/CEM	Annualized
			Capital (\$/yr)		Heater/Pump**		Consumption	****	Maintenance	Cost (\$/yr)
50	8760	438000	\$110,270	\$1,314	\$549	\$28,742	\$17,520	\$17,964	\$10,000	\$186,359
50	6570	328500	\$110,270	\$986	\$412	\$21,557	\$13,140	\$13,473	\$10,000	\$169,837
50	4380	219000	\$110,270	\$657	\$275	\$14,371	\$8,760	\$8,982	\$10,000	\$153,315
50	2454	122700	\$110,270	\$368	\$154	\$8,052	\$4,908	\$5,032	\$10,000	\$138,784
50	2190	109500	\$110,270	\$329	\$137	\$7,186	\$4,380	\$8,084	\$10,000	\$140,385
50	876	43800	\$110,270	\$131	\$55	\$2,874	\$1,752	\$2,156	\$10,000	\$127,238
70	8760	613200	\$115,531	\$1,840	\$769	\$35,928	\$24,528	\$28,742	\$12,600	\$219,938
70	6570	459900	\$115,531	\$1,380	\$577	\$26,946	\$18,396	\$21,557	\$12,600	\$196,986
70	4380	306600	\$115,531	\$920	\$384	\$17,964	\$12,264	\$14,371	\$12,600	\$174,034
70	2190	153300	\$115,531	\$460	\$192	\$8,982	\$6,132	\$7,186	\$12,600	\$151,083
70	1865	130550	\$115,531	\$392	\$164	\$7,649	\$5,222	\$6,119	\$12,600	\$147,677
70	876	61320	\$115,531	\$184	\$77	\$3,593	\$2,453	\$2,874	\$12,600	\$137,312
80	8760	700800	\$125,625	\$2,102	\$879	\$35,928	\$28,032	\$28,742	\$13,800	\$235,108
80	6570	525600	\$125,625	\$1,577	\$659	\$26,946	\$21,024	\$21,557	\$13,800	\$211,187
80	4380	350400	\$125,625	\$1,051	\$439	\$17,964	\$14,016	\$14,371	\$13,800	\$187,267
80	2190	175200	\$125,625	\$526	\$220	\$8,982	\$7,008	\$7,186	\$13,800	\$163,346
80	1752	140160	\$125,625	\$420	\$176	\$7,186	\$5,606	\$5,748	\$13,800	\$158,562
80	876	70080	\$125,625	\$210	\$88	\$3,593	\$2,803	\$2,874	\$13,800	\$148,993
100	8760	876000	\$134,443	\$2,759	\$1,153	\$43,113	\$35,040	\$17,964	\$16,100	\$250,573
100	6570	657000	\$134,443	\$2,070	\$865	\$32,335	\$26,280	\$13,473	\$16,100	\$225,566
100	4380	438000	\$134,443	\$1,380	\$577	\$21,557	\$17,520	\$8,982	\$16,100	\$200,558
100	2190	219000	\$134,443	\$690	\$288	\$10,778	\$8,760	\$4,491	\$16,100	\$175,551
100	1480	148000	\$134,443	\$466	\$195	\$7,284	\$5,920	\$3,035	\$16,100	\$167,443

Boiler Capacity	Hrs of Operation	Heat Release	LNB/FGR/SCR Cost	Annual (Operating Costs					Total
100	876	87600	\$134,443	\$276	\$115	\$4,311	\$3,504	\$1,796	\$16,100	\$160,546
130	8760	1138800	\$151,560	\$3,679	\$1,538	\$43,113	\$45,552	\$32,335	\$19,300	\$297,078
130	6570	854100	\$151,560	\$2,759	\$1,153	\$32,335	\$34,164	\$24,251	\$19,300	\$265,523
130	4380	569400	\$151,560	\$1,840	\$769	\$21,557	\$22,776	\$16,168	\$19,300	\$233,969
130	2190	284700	\$151,560	\$920	\$384	\$10,778	\$11,388	\$8,084	\$19,300	\$202,414
130	1288	167440	\$151,560	\$541	\$226	\$6,339	\$6,698	\$4,754	\$19,300	\$189,418
130	876	113880	\$151,560	\$368	\$154	\$4,311	\$4,555	\$3,234	\$19,300	\$183,482
150	8760	1314000	\$161,190	\$4,336	\$1,813	\$53,892	\$52,560	\$21,557	\$21,300	\$316,647
150	6570	985500	\$161,190	\$3,252	\$1,359	\$40,419	\$39,420	\$16,168	\$21,300	\$283,108
150	4380	657000	\$161,190	\$2,168	\$906	\$26,946	\$26,280	\$10,778	\$21,300	\$249,569
150	2190	328500	\$161,190	\$1,084	\$453	\$13,473	\$13,140	\$5,389	\$21,300	\$216,029
150	1182	177300	\$161,190	\$585	\$245	\$7,272	\$7,092	\$2,909	\$21,300	\$200,592
150	876	131400	\$161,190	\$434	\$181	\$5,389	\$5,256	\$2,156	\$21,300	\$195,906
175	8760	1533000	\$173,053	\$4,993	\$2,087	\$71,856	\$61,320	\$35,928	\$23,700	\$372,937
175	6570	1149750	\$172,591	\$3,745	\$1,565	\$53,892	\$45,990	\$26,946	\$23,700	\$328,429
175	4380	766500	\$172,591	\$2,497	\$1,044	\$35,928	\$30,660	\$17,964	\$23,700	\$284,383
175	2190	383250	\$172,591	\$1,248	\$522	\$17,964	\$15,330	\$8,982	\$23,700	\$240,337
175	1104	193200	\$172,591	\$629	\$263	\$9,056	\$7,728	\$4,528	\$23,700	\$218,495
175	876	153300	\$172,591	\$499	\$209	\$7,186	\$6,132	\$3,593	\$23,700	\$213,909
200	8760	1752000	\$192,022	\$5,782	\$2,417	\$89,820	\$70,080	\$35,928	\$26,000	\$422,048
200	6570	1314000	\$192,022	\$4,336	\$1,813	\$67,365	\$52,560	\$26,946	\$26,000	\$371,041
200	4380	876000	\$192,022	\$2,891		\$44,910	\$35,040	\$17,964	\$26,000	\$320,035
200	2190	438000	\$192,022	\$1,445	\$604	\$22,455	\$17,520	\$8,982	\$26,000	\$269,028
200	1074	214800	\$192,022	\$709	\$296	\$11,012	\$8,592	\$4,405	\$26,000	\$243,036
200	876	175200	\$192,022	\$578	\$242	\$8,982	\$7,008	\$3,593	\$26,000	\$238,425
230	8760	2014800	\$203,584	\$6,701	\$2,801	\$89,820	\$80,592	\$53,892	\$28,700	\$466,090
230	6570	1511100	\$203,584	\$5,026	\$2,101	\$67,365	\$60,444	\$40,419	\$28,700	\$407,638

Boiler Capacity	Hrs of Operation	Heat Release	LNB/FGR/SCR Cost	Annual (Operating Costs					Total
230	4380	1007400	\$203,584	\$3,351	\$1,401	\$44,910	\$40,296	\$26,946	\$28,700	\$349,187
230	2190	503700	\$203,584	\$1,675	\$700	\$22,455	\$20,148	\$13,473	\$28,700	\$290,735
230	<i>995</i>	228850	\$203,584	\$761	\$318	\$10,202	\$9,154	\$6,121	\$28,700	\$258,841
230	876	201480	\$203,584	\$670	\$280	\$8,982	\$8,059	\$5,389	\$28,700	\$255,665
250	8760	2190000	\$214,855	\$7,227	\$3,021	\$89,820	\$87,600	\$53,892	\$30,400	\$486,814
250	6570	1642500	\$214,855	\$5,420	\$2,266	\$67,365	\$65,700	\$40,419	\$30,400	\$426,424
250	4380	1095000	\$214,855	\$3,614	\$1,510	\$44,910	\$43,800	\$26,946	\$30,400	\$366,035
250	2190	547500	\$214,855	\$1,807	\$755	\$22,455	\$21,900	\$13,473	\$30,400	\$305,645
250	961	240250	\$214,855	\$793	\$331	\$9,853	\$9,610	\$5,912	\$30,400	\$271,755
250	876	219000	\$214,855	\$723	\$302	\$8,982	\$8,760	\$5,389	\$30,400	\$269,411
				Capacity		FGR Fan	FD HP increase			
 * NH3 Cost = (lb NH3/hr)(hr/yr)(\$0.15/lb NH3) ** SCR Heater/pump cost = (lb NH3/yr)(0.57 kW/lb NH3)(\$0.11/kW) 				50 MMBtu	1.0 lb/hr	40 HP	25			
				70	1.4	50	40			
*** FGR Fan cost = (HP)(0.7457 kW/HP)(\$0.11/kW hr)(hr/yr)				80	1.6	50	40			
				100	2.1	60	25			
				130	2.8	60	45			
**** Fuel Consumption cost = $(0.01)(MMBtu)(st/MMBtu)$				150	3.3	75	30			
(0.01)(MMBtu/yr)(\$4/MMBtu)				175	3.8	100	50			
***** FD Fan Cost = (incremental HP incr)(0.7457 kW/HP)(0.11/kW hr)(hr/yr)				200	4.4	125	50			
				230	5.1	125	75			

250

75

125

5.5