

*Moham A-6  
we need to discuss  
half*



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

FEB 10 1982

Docket No. 50-537

MEMORANDUM FOR: Lewis G. Hulman, Chief  
Accident Evaluation Branch, DSI

FROM: Wm. H. Regan, Jr., Chief  
Siting Analysis Branch, DE

SUBJECT: 0-500 MILE RADIUS YEAR 2010 POPULATION  
DATA FOR THE CRBR DES INPUT

Attached, as requested, is our population data input for Section 5.9.4.3.2 Site Features for the Clinch River site for the year 2010.

This 0-500 mile population data was generated by C. Ferrell, Site Analyst, for the Clinch River site. We will provide similar data on the alternate sites when the coordinates are provided to this branch by the applicant.

*Wm. H. Regan, Jr.*  
Wm. H. Regan, Jr., Chief  
Siting Analysis Branch  
Division of Engineering

Enclosure:  
As stated

cc: P. Leech  
L. Soffer  
C. Ferrell

*8202240446*  
*CFXA*

PLANT CLINCH RIVER

YEAR 2010

(INCLUDES TRANSIENTS (0-70 MILES) AND CANADIAN POPULATION  
 - APPLICANTS RESIDENT POPULATION 0-50 MILES, SITROP  
 POPULATION 50-500 MILES)

SECTOR DEG. MILES	-4.3 - 11.3	11.3 - 33.8	33.8 - 56.3	56.3 - 78.8	78.8 - 101.3	101.3 - 123.8	123.8 - 146.3	146.3 - 168.8
	N	NNE	NE	ENE	E	ESE	SE	SSE
0-1	0	0	0	10	40	20	0	0
1-2	0	0	0	10	70	30	20	240
2-3	120	0	0	0	110	70	70	260
3-4	170	0	0	0	102	170	230	110
4-5	0	0	15	0	325	150	274	220
5-10	2100	7,429	8591	4961	3485	1700	11,792	1,400
10-20	3,600	10,400	25,900	20,800	32,600	7,600	4,700	4,900
20-30	1,200	4,200	11,600	122,000	124,000	69,200	4,700	1,900
30-40	4,400	20,100	9,000	43,700	29,500	5,500	2,400	2,800
40-50	8,200	7,600	5,300	14,400	21,700	5,700	2,400	6,000
50-60	15,282	16,110	15,156	24,463	10,826	7,550	7726	12,626
60-70	5,539	13,459	30,579	60,825	28,550	9,176	4,923	12,675
70-85	34,593	60,769	24,325	36,743	18,295	56,143	23,114	13,972
85-100	36,523	31,457	52,681	58,948	31,134	48,797	12,961	24,026
100-150	368,253	108,715	244,800	481,067	257,943	628,293	397,711	337,475
150-200	373,254	198,408	331,617	296,532	565,396	705,742	243,832	145,874
200-350	5,168,008	3,249,454	1,457,527	1,438,871	3,277,975	2,006,231	1,898,027	804,282
350-500	12,174,938	7,942,721	6,360,027	9,105,928	2,810,421	329,393	0	1,526,975

PLANT CLINCH RIVER

YEAR 2010

SECTOR DUG. MILES	168.8 - 191.3	191.3 - 213.8	213.8 - 236.3	236.3 - 258.8	258.8 - 281.3	281.3 - 303.8	303.8 - 326.3	326.3 - 348.8
	S	SSW	SW	WSW	W	WNW	NW	NNW
0-1	0	10	20	20	0	10	30	10
1-2	70	40	90	80	150	90	30	72
2-3	60	70	90	100	120	210	0	185
3-4	150	100	120	170	120	10	10	850
4-5	200	110	170	410	695	50	40	100
5-10	902	912	830	5,845	7040	3,606	1606	1227
10-20	5,100	3,300	1,700	2,700	9,800	6,500	2,100	3,600
20-30	10,200	12,800	2,900	4,100	1,600	2,100	1,800	1,400
30-40	4,600	32,400	5,900	4,900	21,900	3,500	3,300	4,200
40-50	4,500	11,400	12,800	5,500	4,600	3,700	8,000	3,700
50-60	6,279	53,916	11,930	4,331	7167	6,939	5452	1,654
60-70	16,060	23,986	39,353	7,780	22,817	45,948	14,123	12,183
70-85	15,878	83,062	371,915	21,141	37,212	20,397	13,636	17,044
85-100	11,657	46,144	71,123	32,645	23,071	29,438	22,356	32,612
100-150	1,664,513	259,680	165,239	315,458	777,581	310,904	135,515	163,326
150-200	776,054	351,913	407,548	381,323	153,889	306,963	250,141	1,437,615
200-350	1,474,942	1,127,671	1,743,629	925,273	2,125,466	1,080,072	1,549,185	3,379,845
350-500	581,123	1,241,077	1,667,067	1,369,850	1,292,876	4,172,464	2,624,694	1,901,920