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R4-3B1

ANNEX I
APPENDIX 1
ATTACHMENT A
Cooper Nuclear Station
Evacuation Time Estimate Study (Missouri)
Analysis Areas

	<u>Population</u>	<u>Cumulative Population</u>
<u>EPZ - 10 miles</u>	Population = 2236	SA-1 through SA-4 = 2451
<u>Sub-Area 1</u>	(Approx. 2 Miles) Sectors A,B,C,D,E,F,G,J Population - 25	Population - 25
<u>Sub-Area 1 and 2</u>	(Approx. 5/10 Miles) Sectors R,A,B,C Population - 402	Population - 552 (Includes 150 Transients)
<u>Sub-Area 1,2, and 4</u>	(Approx. 5/10 Miles) Sectors R,A,B,C,D,E,F,G, H,J Population - 590	Population - 760 (Includes 170 Transients)
<u>Sub-Area 1 and 4</u>	(Approx. 5/10 Miles) Sectors C,D,E,F,G,H,J Population - 273	Population - 393 (Includes 120 Transients)
<u>Sub-Area 1,2,3, and 4</u>	(Approx. 10 Miles) Sectors R,A,B,C,D,E,F,G,H,J Population - 2236	Population - 2451 (Includes 215 Transients)

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*Cumulative Population for each sub-area includes estimated transient populations.

**Time necessary to effect an evacuation of the entire plume exposure pathway could be up to an average of 30 minutes in normal conditions and an average of 62 minutes under adverse conditions.

Estimates for population per sub area.

- 1 = 25
- 2 = 377
- 3 = 1834
- 4 = 188

Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions 5
FOIA-2006-0007

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**ANNEX I
APPENDIX 1
TABLE 1
ESTIMATED POPULATION FIGURES
BY SECTOR**

<u>Sector</u>	<u>Population</u>	<u>Persons w/o Autos</u>
R	0	0
A	11	0
B	35	0
C	54	0
D	32	2
E	57	12
F	37	0
G	17	0
H	3	0
TOTALS	246	14

**ESTIMATED POPULATION FIGURES BY SECTOR
10 MILE RING**

<u>Sector</u>	<u>Population</u>	<u>Persons w/o Autos</u>
R	0	0
A	207	23
B	75	10
C	335	230
D	1683	340
E	58	10
F	35	0
G	21	0
TOTALS	2414	613

**ANNEX I
APPENDIX 1
ATTACHMENT B
EVACUATION OF SPECIAL FACILITIES
WITHIN 10 MILES OF COOPER NUCLEAR STATION**

Distance from Plant	Population	Description & Evacuation Route	Evacuation Time (Minutes ¹)	
			Normal Weather	Adverse Weather
7.75	60	Pleasant View Nursing Home 1.5 miles to Hwy. 136 East	11.1	17.2
6.6	12	Atchison County Jail, Hwy. 111 North to 136 East	10.0	16.3
6.7	542	Rock Port R-II School Hwy. 111 North to Hwy. 136 East	17.5	24.3
6.7	20	Atchison County Head Start Center, Hwy. 136 East	10.0	15.0

¹Movement time only, does not include loading. One load of all buses available.

*All special facilities listed above will be to the Lamkin Gymnasium RCC. Following initial monitoring for contamination, the Atchison County Jail residents will be transported to the Nodaway County Jail.

**ANNEX I
APPENDIX 2**

SPECIAL FACILITIES REQUIRING TRANSPORTATION

A. The following facilities need special consideration should evacuation become a possibility.

1. Nursing Home

Pleasant View Nursing Home, Route 2, Rock Port, MO (60 Beds) telephone 660/744-6252 – ten (10) mile area.

2. Day Care Centers

a. Atchison County Head Start Center, Route 4, Box 223A, Rock Port, MO (capacity 20), telephone number – 660/744-2616 – ten (10) mile area.

3. Schools

Rock Port R-II School, 600 Nebraska Street, Rock Port, MO, telephone 660/744-6294 (students & staff – 542) ten (10) mile area.

4. Other

Atchison County Jail, Rock Port, MO, telephone 660/744-6271 (12 capacity) – ten (10) mile area.

B. Should there not be time for evacuation, the persons in these facilities will take shelter in place until authorities feel it is safe to move them. The Pleasant View Nursing Home will require five (5) ambulances in any move. Ninety percent (90%) of the patients are ambulatory. The nursing home is usually filled to a 90 to 100% capacity. A total evacuation would require two (2) buses and five (5) ambulances, all of which are available in the county.