

TENNESSEE VALLEY AUTHORITY

HARTSVILLE NUCLEAR PLANTS
SOCIOECONOMIC MONITORING AND MITIGATION REPORT
HNP SMR - 11
September 30, 1981

Knoxville, Tennessee

August 1982

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HARTSVILLE NUCLEAR PLANTS
SOCIOECONOMIC MONITORING AND MITIGATION REPORT

Background and Highlights

In permits to construct the four-unit Hartsville Nuclear Plants located in Smith and Trousdale Counties, Tennessee, TVA agreed to undertake certain monitoring and mitigation actions to reduce the socioeconomic impact caused by the inmoving population for the construction project. The impact area is defined as Trousdale, Smith, Macon, Sumner, and Wilson Counties, Tennessee. TVA also agreed to report to the Nuclear Regulatory Commission the results of the monitoring efforts and mitigation actions taken to mitigate the impacts.

This is the eleventh in a series of semiannual reports which TVA agreed to submit to the Nuclear Regulatory Commission to report on the results of TVA's socioeconomic monitoring and mitigation efforts for the Hartsville Nuclear Plants. This report is for the period April 1, 1981, through September 30, 1981.

There was a decrease in the employment level this period from 5,255 employees to 4,360 employees. There was a corresponding decrease in the number of movers and population influx to all five impact counties. The mover rate was 33 percent for a total of 1,419 movers.

TVA has made mitigation expenditures totaling approximately \$8.8 million. Approximately \$4.7 million of this amount was for employee transportation.

HARTSVILLE NUCLEAR PLANTS

SOCIOECONOMIC MONITORING AND MITIGATION REPORT

I. General Status of Employment as of September 30, 1981

In November a survey of all TVA employees as of September 30, 1981, was conducted. The timelag between employment and survey enables employees who moved to make personal adjustments and should provide a better picture of employee distribution, family characteristics, and housing choice. The employment level was 4,360 employees, and information was available for 4,219 employees (97 percent). Of those who provided information, 1,374 employees indicated they had moved resulting in a mover rate of about 33 percent (table A-1). Information on the family status and housing choice was obtained for those who moved (table A-5).

Extrapolating on a ratio basis to the total 4,360 employees, we estimate a total of 1,419 movers. Of this total, 1,101 movers located in the five impact counties and 318 moved to other counties. As shown in table A-1 and figure 1, local workers (nonmovers) are commuting to the project from a much more widespread area.

Information on the distribution of both movers and residents is found in tables A-1, A-2, and figure 1. Additional information on the distribution and characteristics of movers is contained in tables A-3 through A-16.

Table A-1 lists the town of current residence. This table is based on "Mailing Address" locations instead of jurisdictional locations. All employees are asked to provide a place name even though they may not live within any municipal limits. Figure 1 is based on this table. Table A-3 provides the movers' distribution which is based on city limits for the five impact communities and any other communities to which at least 50 employees moved.

Table A-2 shows both the origin and location of all employees. The diagonal line of the "From-To" tabulation shows resident employees. For example, resident employees from Sumner County would be found by locating Sumner County in the "From" column and going across the table to the "To" column in which Sumner County also appears. In this survey 621 residents of Sumner County were employed at the end of September 1981. Movers are shown by all other data. For example, 19 employees moved from Sumner County to Trousdale County.

Table A-4 of this report series contains a comparison of the survey results with the projections contained in the environmental impact statement (EIS). For a work force of approximately 4,400 employees, about 45 percent had been projected to be movers. However, the survey found a mover rate of about 33 percent. Sumner County is still receiving the largest share of movers (30 percent) compared with the projected 20 percent. Sumner County also has received slightly more movers (425) than projected (392). While the number of movers to Sumner County is close to that projected, all other counties are receiving far fewer movers than expected. Trousdale County is receiving the smallest number of movers (193) compared with the projected (589).

Smith and Wilson Counties were each projected to receive 392 movers; however, Smith County has received only 154 and Wilson County has received 193 movers. Mover projections were made only for the five impact counties, but 79 movers have located in Davidson County and 239 in other counties. The survey also indicated that 192 employees moved from Davidson County; and, of those, 151 moved to impact counties. The 239 other movers are widely dispersed throughout numerous counties with no significant adverse impacts.

II. General Characteristics of Movers

Total Project--Table A-5 contains data on family status and characteristics and housing choice for all movers. Table A-4 compares these results with TVA's projections of the characteristics on inmoving families. As of September 30, 1981, 80 percent of those employees who moved brought their families; and 20 percent moved without their families. School-age children per family averaged 1.0 per family--the same as that projected, and the total average family size was 3.5 compared with the projected 3.0. The survey of housing choice shows 64 percent are living in houses, 19 percent in mobile homes, 12 percent in apartments, 2 percent in motel and sleeping rooms, and 4 percent in other accommodations. The "other" category includes campers, motor homes, and vans.

Impact Counties and Communities

Data on family status and characteristics and housing choice for movers into each impact county are contained in tables A-6 through A-10 and for movers within the city limits of each of the impact communities containing at least 50 movers in tables A-11 through A-16.

Other Counties and Communities

TVA also accumulates data on counties and communities which were not identified as impact counties or communities in the original impact analysis. Once the construction-related inmoving population reaches a level of 50 in-movers for communities or 100 in-movers for counties, TVA begins monitoring and reporting impacts to ensure that no communities are inadvertently left out of the designated impact area. Hendersonville, with 55 in-movers as shown in table A-3, is a community which is being monitored. However, Hendersonville with an approximate population of 28,000 is not adversely affected by the influx of population it is servicing. Detailed survey results for Hendersonville are in table A-14.

III. Secondary Employment

In previous monitoring reports secondary employment impact has been defined as a temporary increase in the trade and service-related resident population which can be attributed to the Hartsville project. If the population increase in a county is greater than that arising directly from the project or from other primary employment increases, the possibility of secondary employment exists.

The methodology which we have used in monitoring the Hartsville project (see Appendix B) provides reasonable results only when the change in project related employment and resident population are directly related. Declining employment at the project induces lags in area population which are impossible to detect and quantify using the current methodology.

IV. Functional Area Impacts and Mitigation Actions

Education--TVA is continuing to monitor impacts on the six school districts in the impact area. However, the detailed data on enrollments usually presented in these reports was not available at the time of publication. That information will be included in the next impact report. It is important to note that as a result of the decrease in plant employment, no additional impacts on school systems would be expected.

Local Planning and Coordination Assistance--TVA continued to assist the local planning commissions affected by this project by reimbursing them for one-half of their cost of obtaining the services of the Tennessee State Planning Office for a one-year period. The need for additional assistance to the communities is evaluated and negotiated on a year-to-year basis as appropriate. A summary of these payments follows:

Table 1
TVA Local Planning Assistance Payments

<u>Planning Commissions</u>	<u>Amount Paid This Period</u>	<u>Amount Paid To Date</u>
Hartsville-Trousdale	\$ ---	\$ 5,567
Smith County	1,444	8,891
Sumner County	---	8,531
Wilson County	3,019	12,769
Carthage	659	4,521
South Carthage	---	2,225
Gordonsville	328	2,366
Lafayette	---	2,094
Gallatin	---	11,263
Lebanon	---	12,403
Hendersonville	781	11,263
Tennessee State Planning Office	---	20,000
	<u>\$6,231</u>	<u>\$101,893</u>

TVA continues to provide annual support for the Hartsville Project Coordination Committee for professional staff services. The committee is composed of the chief elected officials in the five-county impact area

(five county judges and the mayors of the incorporated towns within the five counties). As of September 1981, \$300,000 has been provided to the committee with funding at \$12,500 per quarter.

Local Government Budgets--The impact on the budgets of local governments in the impact area of the Hartsville construction project is measured on an annual basis. This measurement is made by projecting the project-related revenues to be received by the local governments. The projected revenues and expenditures are then compared to determine whether deficits will occur. TVA has executed contracts, which are modified as appropriate, with local governments to provide payments to cover the amounts of any projected deficits. The only payment made to local governments during this period was \$18,600 to the city of Gallatin.

Water and Sewer--TVA continued to assess the water and sewer needs for the five-county impact area. Additional mitigation efforts were not necessary during this period.

Health and Medical Services--TVA continued to assess the health needs for the five-county impact area. However, these assessments have not indicated a need for additional health mitigation efforts.

Traffic--In accordance with an agreement between TVA and the Tennessee Department of Transportation, the department has been supplying TVA with traffic counts for 12 locations on a quarterly basis beginning in October 1975. With approximately 4,400 employees, peak-hour traffic on Highway 25 was 410 vehicles per hour (VPH) east of the site and 770 VPH

west of the site. Counts for other key highway segments are shown in the following table. Peak-hour volumes at all these locations are within the limits of acceptable volumes for level of service D operation of these highways (see appendix C). TVA is continuing the mass transportation program (commuter vans and buses) at a reduced level to mitigate the peak-hour traffic volumes.

Table 2
Traffic Evaluation

(October 1975 - September 1981)

	Number of Vehicles During Peak Hour*		TVA Commuter Traffic
	1975	1981	
Highway 25 East of Plant	120	410	270
Highway 25 West of Plant	120	770	540
Highway 25 West of Hartsville	290	680	430
Highway 25 West of 231 Junction	210	460	210
Highway 231 South of 25 Junction	150	250	120
Highway 231 North of Lebanon	150	260	100

*The peak hour occurred during the 3-4 p.m. hour.

Employee Transportation--During this period the employee transportation program at the Hartsville Nuclear Plant operated 43 vans and 23 buses. This was a reduction of 1 bus and 3 vans from the previous reporting period. The average bus ridership was 34, while the vans carried an average of 9.6 each. The transportation program carried 36 percent of the day shift employees and reduced traffic by approximately 702 vehicles per day. TVA's expenditure for employee transportation this period was \$349,531.

Local Recruitment and Training--There were no employee recruitment and training activities during this period.

Recreation--Potential negative impacts on recreation services were monitored during the reporting period by TVA recreation staff. In response to a request from Trousdale County, the recreation staff prepared a conceptual site plan and cost estimate for a new county park. TVA also provided \$18,450 to assist the city of Hendersonville in construction of a new soccer field and playground in Drakes Creek Park. This was the only payment for recreation mitigation made during this period.

The city of Lafayette submitted a request for technical assistance in developing a new city park on land donated to the city from a private estate. Recreation staff will meet with city officials to assist them in planning the new park.

Table 3

Summary of TVA Mitigation Expenditures

As of September 30, 1981

	<u>Expenditures This Period</u>	<u>Expenditures To Date</u>
Education	\$ --- ^a	\$1,583,009
Housing	---	423,000 ^b
Local Planning & Coordination	31,231	400,588
Water & Sewer	---	380,000 ^c
Health	---	113,772
Intergenerational Child Care Program	---	33,887
Local Governments	18,600	955,219
Employee Transportation	349,531	4,706,737
Recreation	<u>18,450</u>	<u>230,188</u>
TOTAL	\$417,812	\$8,826,400

a. Education mitigation expenditures for this period are not available.

b. Includes \$60,000 interest-bearing loan.

c. Includes \$125,000 noninterest bearing loan, which was defaulted and written off January 1981.

APPENDIXES

Table A-1

FOLLOW UP SURVEY
 TOWN OF CURRENT RESIDENCE
 HARTSVILLE NUCLEAR PLANT EMPLOYEES
 ACTIVE EMPLOYEES 09-30-81

RUN DATE 03/11/82
 RUN TIME 09042R
 REPORT 2

TOWN		MOVED TO TOWN	ALREADY IN TOWN	TOTAL	POPULATION
ALEXANDRIA	TN	10	35	45	680
BAXTER	TN	11	40	51	1,314
CARTHAGE	TN	48	115	163	2,491
COUKEVILLE	TN	20	59	79	17,800
CROSSVILLE	TN	14	32	46	5,381
DOWELLTOWN	TN	8	11	19	329
GAINESBORO	TN	8	32	40	1,101
GALLATIN	TN	244	299	543	13,362
GORDONSVILLE	TN	11	27	38	601
HARTSVILLE	TN	187	152	339	2,243
HENDERSONVILLE	TN	60	114	174	28,000
LAFAYETTE	TN	118	166	284	2,583
LEBANON	TN	151	191	342	12,492
MANCHESTER	TN	5	20	25	6,869
MURFREESBORO	TN	15	34	49	28,700
NASHVILLE	TN	40	343	383	469,000
PORTLAND	TN	12	35	47	3,081
RED BOILING SPRINGS	TN	11	42	53	956
SMITHVILLE	TN	7	77	84	3,762
SOUTH CARTHAGE	TN	5	17	22	859
SPARTA	TN	7	9	16	4,930
WESTMORELAND	TN	19	50	69	1,423
WOCDBURY	TN	5	10	15	2,087
BETHPAGE	TN	16	41	57	400
CASTALIAN SPRINGS	TN	49	39	88	150
COTTONTOWN	TN	5	11	16	100
DIXON SPRINGS	TN	45	22	67	100
GOODLETTSVILLE	TN	7	43	50	7,541
MADISON	TN	12	66	78	21,500
MOUNT JULIET	TN	28	64	92	1,568
OLD HICKORY	TN	10	40	50	6,000
PLEASANT SHADE	TN	14	27	41	150
RIDDLETON	TN	11	17	28	100
WATERTOWN	TN	6	22	28	1,061
WHITE HOUSE	TN	14	9	23	1,305
SCOTTSVILLE	KY	5	58	63	3,586
SUBTOTAL		1238	2369	3607	
CELINA	TN	3	14	17	1,370
CHARLOTTE	TN	2	5	7	610
CLARKSVILLE	TN	1	9	10	44,900
GREEN BRIER	TN	2	23	25	2,279
LA VERGNE	TN	2	10	12	5,209

Table A-1, Page 2

FOLLOW UP SURVEY
 TOWN OF CURRENT RESIDENCE
 HARTSVILLE NUCLEAR PLANT EMPLOYEES
 ACTIVE EMPLOYEES 09-30-81

RUN DATE 03/11/82
 RUN TIME 090428
 REPORT 2

TOWN		MOVED TO TOWN	ALREADY IN TOWN	TOTAL	POPULATION
LIBERTY	TN	2	17	19	332
MCMINNVILLE	TN	3	6	9	11,610
SHELBYVILLE	TN	0	6	6	11,900
SMYRNA	TN	3	7	10	5,698
SPRINGFIELD	TN	3	16	19	9,720
TULLAHOMA	TN	1	6	7	15,577
ANTIUCH	TN	3	12	15	900
ASHLAND CITY	TN	3	10	13	2,027
BRUSH CREEK	TN	4	14	18	230
BUFFALO VALLEY	TN	1	9	10	100
CHESTNUT MOUND	TN	0	6	6	125
DONELSON	TN	1	15	16	25,500
ELMWOOD	TN	3	11	14	100
HERMITAGE	TN	4	23	27	6,000
HICKMAN	TN	3	14	17	200
JOELTON	TN	1	17	18	900
LANCASTER	TN	2	7	9	150
MOSS	TN	1	7	8	200
SILVER POINT	TN	2	8	10	150
WHITLEYVILLE	TN	1	5	6	50
GAHALIEL	KY	0	5	5	431
TOMPKINSVILLE	KY	3	16	19	2,207
ADOLPHUS	KY	1	7	8	250
SUBTOTAL		55	305	360	
OTHER		81	171	252	
TOTAL RESPONSES		1374	2845	4219	
HNP WORKFORCE TOTAL 09-30-81				4360	

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Table A-2

FOLLOW UP SURVEY
SOURCE AND LOCATION OF CONSTRUCTION EMPLOYEES RUN DATE 03/11/82
HARTSVILLE NUCLEAR PLANT RUN TIME 090454
ACTIVE EMPLOYEES 09-30-81 REPORT 4

FROM --- TO	-----IMPACT COUNTIES-----					DAVIDSON	OTHER REC. COUNTIES	OTHER TENN. COUNTIES	OTHER KENTUCKY COUNTIES	OTHER (4)	TOTAL
	TROUSDALE	SMITH	MACON	SUMNER	WILSON						
TROUSDALE (1)	155	8	4	21	4	3	4				199
SMITH (1)	8	293	8	3	11	5	8				336
MACON (1)	3	2	221	6	6	1	4	1			244
SUMNER (1)	19	6	9	621	6	10	10	3	2		686
WILSON (1)	6	7	2	15	281	8	9	5			333
DAVIDSON (1)	14	13	3	76	31	566	23	15			746
OTHER RECRUITING COUN (2)	10	17	17	17	9	9	597	21	4		701
OTHER TN. COUNTIES (3)	71	47	34	119	60	23	28	205	1	2	590
OTHER KY. COUNTIES (3)	4		4	8	4		1		8	1	30
ALABAMA	16	10	6	45	19	5	2			2	105
ARKANSAS	1	1	2	2							6
GEORGIA	3		1	1	2		2			1	10
MISSISSIPPI	2		1	2			1				6
NORTH CAROLINA			1	2	2						5
SOUTH CAROLINA		1				1	2				4
OTHER STATES	29	19	30	67	32	11	8	10		12	218
*** TOTAL	341	429	343	1005	467	642	699	260	15	18	4219

NOTE: DATA ON DIAGONAL INDICATE NONMOVERS, WITH THE EXCEPTION OF MOVES WITHIN A COUNTY.
ALL OTHER DATA INDICATE MOVERS.

(1) RECRUITING COUNTY

(2) TENNESSEE COUNTIES: CANNON, CLAY, DEKALB, JACKSON, PUTNAM,
ROBERTSON, RUTHERFORD

KENTUCKY COUNTIES: ALLEN, MONROE, SIMPSON

(3) ALL COUNTIES IN KENTUCKY AND TENNESSEE OTHER THAN RECRUITING COUNTIES

(4) "OTHER" INCLUDES NON-RESPONSES OR ERRONEOUS RESPONSES FOR CURRENT ADDRESS.

Table A-3

Hartsville Nuclear Plants
 Distribution of Movers and Associated
 Population by County and Community
 September 30, 1981

<u>County</u>	<u>Percent of Movers</u>	<u>Number¹ of Movers</u>	<u>Population Influx¹</u>	
			<u>School age</u>	<u>Total</u>
Trousdale	14	193	142	520
Smith	11	154	105	443
Macon	10	136	134	442
Sumner	30	425	365	1,313
Wilson	14	193	170	586
Other Counties	<u>21</u>	<u>318</u>	<u>252</u>	<u>937</u>
Total	100 ²	1,419	1,168	4,241
 <u>Community³</u>				
Carthage	2	35	10	77
Gallatin	10	145	93	407
Hartsville	8	118	67	278
Hendersonville	4	55	39	150
Lafayette	4	58	63	193
Lebanon	<u>3</u>	<u>48</u>	<u>23</u>	<u>107</u>
Total	27	459	295	1,212

1. Numbers extrapolated.

2. Percentages may not add to 100 because of rounding.

3. Within municipal limits.

Hartsville Nuclear Plants
Comparison of Survey Results with
Projections for Selected Parameters
Employment Level - 4,360

	<u>Projected</u>	<u>Surveyed</u> ¹
Number Movers	1,962	1,419
Percent Movers	45	33
School age Children	1,275	1,168
School age Children/Family	1.0	1.0
Total Population	4,512	4,241

	<u>Percent</u>	<u>Number</u>	<u>Percent</u>	<u>Number</u>
Movers with Families	65	1,275	80	1,134
Movers without Families	35	687	20	285

	<u>Percent</u>	<u>Number</u>	<u>Percent</u>	<u>Number</u>
Housing Choice:				
Houses	31	608	64	902
Mobile Homes	47	922	19	269
Apartments	18	353	12	167
Motel and Sleeping Rooms	4	79	2	31
Other	<u>0</u>	<u>0</u>	<u>4</u>	<u>51</u>
Total	100	1,962	100 ²	1,419

	<u>Percent</u>	<u>Number</u>	<u>Percent</u>	<u>Number</u>
Distribution by County:				
Davidson	0	0	6	79
Trousdale	30	589	14	193
Smith	20	392	11	154
Macon	10	196	10	136
Sumner	20	392	30	425
Wilson	20	392	14	193
Other Counties	<u>0</u>	<u>0</u>	<u>15</u>	<u>239</u>
Total	100	1,962	100 ²	1,419

1. Numbers extrapolated.

2. Percentages may not add to 100 because of rounding.

Table A-5

FOLLOW UP SURVEY
WORKERS WHO MOVED INTO HARTSVILLE NUCLEAR PLANT AREA PAGE 017

MOVER SUMMARY
ACTIVE EMPLOYEES 09-30-81

RUN DATE 03/11/82
REPORT 1F
RUN TIME 090415

	MOVERS WITH FAMILY	WITH CHILDREN IN SCHOOL	TOTAL NUMBER OF CHILDREN	CHILDREN IN GRADE SCHOOL	CHILDREN IN HIGH SCHOOL	MOVERS WITHOUT FAMILY	TOTAL MOVERS
ANNUAL EMPLOYEES							
HOUSE OWNED	232	135	345	178	72	12	244
HOUSE RENTED	40	12	39	17	2	10	50
APARTMENT RENTED	25	8	17	10	2	30	55
MOBILE HOME RENTED	5	4	6	6	0	4	9
MOBILE HOME OWNED	17	6	16	6	2	9	26
SLEEPING ROOM	2	2	5	3	1	2	4
MOTEL	0	0	0	0	0	3	3
OTHER	4	1	3	1	1	2	6
TOTAL	325	168	431	221	80	72	397
HOURLY EMPLOYEES							
HOUSE OWNED	331	214	557	286	126	20	351
HOUSE RENTED	187	97	299	137	58	41	228
APARTMENT RENTED	57	25	71	23	16	50	107
MOBILE HOME RENTED	34	18	48	28	4	28	62
MOBILE HOME OWNED	130	67	186	90	36	33	163
SLEEPING ROOM	2	1	1	1	1	6	8
MOTEL	6	3	8	4	1	9	15
OTHER	26	12	33	15	4	17	43
TOTAL	773	437	1203	584	246	204	977
ALL EMPLOYEES							
HOUSE OWNED	563	349	902	464	198	32	595
HOUSE RENTED	227	109	338	154	60	51	278
APARTMENT RENTED	82	33	88	33	18	80	162
MOBILE HOME RENTED	39	22	54	34	4	32	71
MOBILE HOME OWNED	147	73	202	96	38	42	189
SLEEPING ROOM	4	3	6	4	2	8	12
MOTEL	6	3	8	4	1	12	18
OTHER	30	13	36	16	5	19	49
TOTAL	1098	605	1634	805	326	276	1374

Table A-6

FOLLOW UP SURVEY
 WORKERS WHO MOVED INTO HARTSVILLE NUCLEAR PLANT AREA PAGE 006

MACON
 EMPLOYEES LIVING WITHIN THE COUNTY TOTAL
 ACTIVE EMPLOYEES 09-30-81
 RUN DATE 03/11/82
 REPORT 18
 RUN TIME 090415

	MOVERS WITH FAMILY	WITH CHILDREN IN SCHOOL	TOTAL NUMBER OF CHILDREN	CHILDREN IN GRADE SCHOOL	CHILDREN IN HIGH SCHOOL	MOVERS WITHOUT FAMILY	TOTAL MOVERS
ANNUAL EMPLOYEES							
HOUSE OWNED	15	9	22	12	3	0	15
HOUSE RENTED	4	2	5	2	0	2	6
APARTMENT RENTED	1	1	2	1	0	1	2
MOBILE HOME RENTED	3	2	2	2	0	1	4
MOBILE HOME OWNED	1	0	0	0	0	1	2
SLEEPING ROOM							
MOTEL							
OTHER							
TOTAL	24	14	31	17	3	5	29
HOURLY EMPLOYEES							
HOUSE OWNED	44	27	72	38	19	0	44
HOUSE RENTED	19	14	37	22	4	4	23
APARTMENT RENTED	2	1	3	2	0	0	2
MOBILE HOME RENTED	5	5	10	9	0	2	7
MOBILE HOME OWNED	16	7	27	9	4	5	21
SLEEPING ROOM	0	0	0	0	0	1	1
MOTEL	0	0	0	0	0	2	2
OTHER	3	2	3	2	1	0	3
TOTAL	89	56	152	82	28	14	103
ALL EMPLOYEES							
HOUSE OWNED	59	36	94	50	22	0	59
HOUSE RENTED	23	16	42	24	4	6	29
APARTMENT RENTED	3	2	5	3	0	1	4
MOBILE HOME RENTED	8	7	12	11	0	3	11
MOBILE HOME OWNED	17	7	27	9	4	6	23
SLEEPING ROOM	0	0	0	0	0	1	1
MOTEL	0	0	0	0	0	2	2
OTHER	3	2	3	2	1	0	3
TOTAL	113	70	183	99	31	19	132

Table A-7

FOLLOW UP SURVEY
 WORKERS WHO MOVED INTO HARTSVILLE NUCLEAR PLANT AREA PAGE 007

SMITH
 EMPLOYEES LIVING WITHIN THE COUNTY TOTAL
 ACTIVE EMPLOYEES 09-30-81
 RUN DATE 03/11/82
 REPORT 18
 RUN TIME 090415

	MOVERS WITH FAMILY	WITH CHILDREN IN SCHOOL	TOTAL NUMBER OF CHILDREN	CHILDREN IN GRADE SCHOOL	CHILDREN IN HIGH SCHOOL	MOVERS WITHOUT FAMILY	TOTAL MOVERS
ANNUAL EMPLOYEES							
HOUSE OWNED	9	6	19	12	4	1	10
HOUSE RENTED	7	2	6	3	0	2	9
APARTMENT RENTED	0	0	0	0	0	1	1
MOBILE HOME RENTED	2	2	4	4	0	1	3
MOBILE HOME OWNED	4	1	1	0	1	0	4
SLEEPING ROOM	0	0	0	0	0	1	1
MOTEL							
OTHER	1	1	2	1	1	0	1
TOTAL	23	12	32	20	6	6	29
HOURLY EMPLOYEES							
HOUSE OWNED	24	17	46	17	14	2	26
HOUSE RENTED	25	12	48	14	7	4	29
APARTMENT RENTED	2	1	3	0	1	4	6
MOBILE HOME RENTED	5	3	7	3	1	5	10
MOBILE HOME OWNED	28	10	32	13	4	14	42
SLEEPING ROOM	0	0	0	0	0	3	3
MOTEL	1	0	0	0	0	0	1
OTHER	2	1	2	2	0	1	3
TOTAL	87	44	138	49	27	33	120
ALL EMPLOYEES							
HOUSE OWNED	33	23	65	29	18	3	36
HOUSE RENTED	32	14	54	17	7	6	38
APARTMENT RENTED	2	1	3	0	1	5	7
MOBILE HOME RENTED	7	5	11	7	1	6	13
MOBILE HOME OWNED	32	11	33	13	5	14	46
SLEEPING ROOM	0	0	0	0	0	4	4
MOTEL	1	0	0	0	0	0	1
OTHER	3	2	4	3	1	1	4
TOTAL	110	56	170	69	33	39	149

Table A-8

FOLLOW UP SURVEY
WORKERS WHO MOVED INTO HARTSVILLE NUCLEAR PLANT AREA PAGE 008

SUMMER
EMPLOYEES LIVING WITHIN THE COUNTY TOTAL
ACTIVE EMPLOYEES 09-30-91
RUN DATE 03/11/82
REPORT 18
RUN TIME 090415

	MOVERS WITH FAMILY	WITH CHILDREN IN SCHOOL	TOTAL NUMBER OF CHILDREN	CHILDREN IN GRADE SCHOOL	CHILDREN IN HIGH SCHOOL	MOVERS WITHOUT FAMILY	TOTAL MOVERS
ANNUAL EMPLOYEES							
HOUSE OWNED	128	75	198	76	46	6	134
HOUSE RENTED	15	4	11	3	2	1	16
APARTMENT RENTED	14	3	8	4	1	14	28
MOBILE HOME RENTED							
MOBILE HOME OWNED	3	2	5	3	0	2	5
SLEEPING ROOM	1	1	3	2	0	1	2
MOTEL							
OTHER	2	0	1	0	0	0	2
TOTAL	163	85	226	108	49	24	187
HOURLY EMPLOYEES							
HOUSE OWNED	96	60	154	81	32	5	101
HOUSE RENTED	41	20	59	30	11	6	47
APARTMENT RENTED	21	9	23	11	5	10	31
MOBILE HOME RENTED	3	1	2	1	0	5	8
MOBILE HOME OWNED	25	14	37	14	9	5	30
SLEEPING ROOM							
MOTEL	0	0	0	0	0	1	1
OTHER	5	2	5	1	1	1	6
TOTAL	191	106	280	138	58	33	224
ALL EMPLOYEES							
HOUSE OWNED	224	135	352	177	78	11	235
HOUSE RENTED	56	24	70	33	13	7	63
APARTMENT RENTED	35	12	31	15	6	24	59
MOBILE HOME RENTED	3	1	2	1	0	5	8
MOBILE HOME OWNED	28	16	42	17	9	7	35
SLEEPING ROOM	1	1	3	2	0	1	2
MOTEL	0	0	0	0	0	1	1
OTHER	7	2	6	1	1	1	8
TOTAL	354	191	506	246	107	57	411

Table A-9

FOLLOW UP SURVEY
 WORKERS WHO MOVED INTO HARTSVILLE NUCLEAR PLANT AREA PAGE 009

TROUSDALE
 EMPLOYEES LIVING WITHIN THE COUNTY TOTAL
 ACTIVE EMPLOYEES 09-30-81
 RUN DATE 03/11/82
 REPORT 1B
 RUN TIME 090415

	MOVERS WITH FAMILY	WITH CHILDREN IN SCHOOL	TOTAL NUMBER OF CHILDREN	CHILDREN IN GRADE SCHOOL	CHILDREN IN HIGH SCHOOL	MOVERS WITHOUT FAMILY	TOTAL MOVERS
ANNUAL EMPLOYEES							
HOUSE OWNED	7	5	12	8	3	0	7
HOUSE RENTED	3	1	5	4	0	2	5
APARTMENT RENTED	1	0	0	0	0	4	5
MOBILE HOME RENTED	0	0	0	0	0	2	2
MOBILE HOME OWNED	8	3	8	3	1	4	12
SLEEPING ROOM							
MOTEL							
OTHER	0	0	0	0	0	1	1
TOTAL	19	9	25	15	4	13	32
HOURLY EMPLOYEES							
HOUSE OWNED	18	8	26	14	5	2	20
HOUSE RENTED	27	19	50	21	16	7	34
APARTMENT RENTED	9	3	12	3	1	10	19
MOBILE HOME RENTED	15	7	23	13	3	14	29
MOBILE HOME OWNED	30	17	45	24	11	4	34
SLEEPING ROOM	1	1	1	1	1	2	3
MOTEL	3	1	5	2	0	3	6
OTHER	2	2	5	3	0	8	10
TOTAL	105	58	167	81	37	50	155
ALL EMPLOYEES							
HOUSE OWNED	25	13	38	22	8	2	27
HOUSE RENTED	30	20	55	25	16	9	39
APARTMENT RENTED	10	3	12	3	1	14	24
MOBILE HOME RENTED	15	7	23	13	3	16	31
MOBILE HOME OWNED	38	20	53	27	12	8	46
SLEEPING ROOM	1	1	1	1	1	2	3
MOTEL	3	1	5	2	0	3	6
OTHER	2	2	5	3	0	9	11
TOTAL	124	67	192	96	41	63	187

Table A-10

FOLLOW UP SURVEY
 WORKERS WHO MOVED INTO HARTSVILLE NUCLEAR PLANT AREA PAGE 010

WILSON
 EMPLOYEES LIVING WITHIN THE COUNTY TOTAL
 ACTIVE EMPLOYEES 09-30-81
 RUN DATE 03/11/82
 REPORT 18
 RUN TIME 090415

	MOVERS WITH FAMILY	WITH CHILDREN IN SCHOOL	TOTAL NUMBER OF CHILDREN	CHILDREN IN GRADE SCHOOL	CHILDREN IN HIGH SCHOOL	MOVERS WITHOUT FAMILY	TOTAL MOVERS
ANNUAL EMPLOYEES							
HOUSE OWNED	57	33	78	40	11	2	59
HOUSE RENTED	4	1	2	2	0	2	6
APARTMENT RENTED	5	3	3	3	1	3	8
MOBILE HOME RENTED							
MOBILE HOME OWNED	1	0	2	0	0	2	3
SLEEPING ROOM	1	1	2	1	1	0	1
MOTEL	0	0	0	0	0	1	1
OTHER	0	0	0	0	0	1	1
TOTAL	68	38	87	46	13	11	79
HOURLY EMPLOYEES							
HOUSE OWNED	43	33	68	40	20	3	46
HOUSE RENTED	14	7	27	9	8	7	21
APARTMENT RENTED	13	7	20	5	5	10	23
MOBILE HOME RENTED							
MOBILE HOME OWNED	10	7	14	12	1	2	12
SLEEPING ROOM							
MOTEL							
OTHER	6	3	10	4	2	0	6
TOTAL	86	57	139	70	36	22	108
ALL EMPLOYEES							
HOUSE OWNED	100	66	146	80	31	5	105
HOUSE RENTED	18	8	29	11	8	9	27
APARTMENT RENTED	18	10	23	8	6	13	31
MOBILE HOME RENTED							
MOBILE HOME OWNED	11	7	16	12	1	4	15
SLEEPING ROOM	1	1	2	1	1	0	1
MOTEL	0	0	0	0	0	1	1
OTHER	6	3	10	4	2	1	7
TOTAL	154	95	226	116	49	33	187

Table A-11

FOLLOW UP SURVEY
 WORKERS WHO MOVED INTO HARTSVILLE NUCLEAR PLANT AREA PAGE 001

CARTHAGE
 EMPLOYEES LIVING WITHIN THE CITY LIMITS
 ACTIVE EMPLOYEES 09-30-81
 RUN DATE 03/11/82
 REPORT 1A
 RUN TIME 090415

	MOVERS WITH FAMILY	WITH CHILDREN IN SCHOOL	TOTAL NUMBER OF CHILDREN	CHILDREN IN GRADE SCHOOL	CHILDREN IN HIGH SCHOOL	MOVERS WITHOUT FAMILY	TOTAL MOVERS
ANNUAL EMPLOYEES							
HOUSE OWNED	1	1	3	3	0	1	2
HOUSE RENTED	1	0	1	0	0	1	2
APARTMENT RENTED	0	0	0	0	0	1	1
MOBILE HOME RENTED	0	0	0	0	0	1	1
MOBILE HOME OWNED							
SLEEPING ROOM	0	0	0	0	0	1	1
MOTEL							
OTHER							
TOTAL	2	1	4	3	0	5	7
HOURLY EMPLOYEES							
HOUSE OWNED	3	2	3	1	1	0	3
HOUSE RENTED	5	2	7	2	0	0	5
APARTMENT RENTED	1	1	1	0	1	2	3
MOBILE HOME RENTED	1	0	1	0	0	2	3
MOBILE HOME OWNED	7	2	5	2	0	3	10
SLEEPING ROOM	0	0	0	0	0	1	1
MOTEL	1	0	0	0	0	0	1
OTHER	0	0	0	0	0	1	1
TOTAL	18	7	17	5	2	9	27
ALL EMPLOYEES							
HOUSE OWNED	4	3	6	4	1	1	5
HOUSE RENTED	6	2	8	2	0	1	7
APARTMENT RENTED	1	1	1	0	1	3	4
MOBILE HOME RENTED	1	0	1	0	0	3	4
MOBILE HOME OWNED	7	2	5	2	0	3	10
SLEEPING ROOM	0	0	0	0	0	2	2
MOTEL	1	0	0	0	0	0	1
OTHER	0	0	0	0	0	1	1
TOTAL	20	8	21	8	2	14	34

Table A-12

FOLLOW UP SURVEY
 WORKERS WHO MOVED INTO HARTSVILLE NUCLEAR PLANT AREA PAGE 002

GALLATIN
 EMPLOYEES LIVING WITHIN THE CITY LIMITS
 ACTIVE EMPLOYEES 09-30-81
 RUN DATE 03/11/82
 REPORT 1A
 RUN TIME 090415

	MOVERS WITH FAMILY	WITH CHILDREN IN SCHOOL	TOTAL NUMBER OF CHILDREN	CHILDREN IN GRADE SCHOOL	CHILDREN IN HIGH SCHOOL	MOVERS WITHOUT FAMILY	TOTAL MOVERS
ANNUAL EMPLOYEES							
HOUSE OWNED	35	18	43	21	6	2	37
HOUSE RENTED	5	1	4	1	0	1	6
APARTMENT RENTED	8	2	6	3	0	7	15
MOBILE HOME RENTED							
MOBILE HOME OWNED	1	0	0	0	0	1	2
SLEEPING ROOM	0	0	0	0	0	1	1
MOTEL							
OTHER							
TOTAL	49	21	53	25	6	12	61
HOURLY EMPLOYEES							
HOUSE OWNED	27	16	35	20	9	1	28
HOUSE RENTED	18	7	22	8	4	1	19
APARTMENT RENTED	12	7	14	6	5	4	16
MOBILE HOME RENTED	0	0	0	0	0	3	3
MOBILE HOME OWNED	10	5	10	3	3	0	10
SLEEPING ROOM							
MOTEL							
OTHER	2	1	2	1	0	1	3
TOTAL	69	36	83	38	21	10	79
ALL EMPLOYEES							
HOUSE OWNED	62	34	78	41	15	3	65
HOUSE RENTED	23	8	26	9	4	2	25
APARTMENT RENTED	20	9	20	9	5	11	31
MOBILE HOME RENTED	0	0	0	0	0	3	3
MOBILE HOME OWNED	11	5	10	3	3	1	12
SLEEPING ROOM	0	0	0	0	0	1	1
MOTEL							
OTHER	2	1	2	1	0	1	3
TOTAL	118	57	136	63	27	22	140

Table A-13

FOLLOW UP SURVEY
 WORKERS WHO MOVED INTO HARTSVILLE NUCLEAR PLANT AREA PAGE 003

HARTSVILLE
 EMPLOYEES LIVING WITHIN THE CITY LIMITS
 ACTIVE EMPLOYEES 09-30-81
 RUN DATE 03/11/82
 REPORT 1A
 RUN TIME 090415

	MOVERS WITH FAMILY	WITH CHILDREN IN SCHOOL	TOTAL NUMBER OF CHILDREN	CHILDREN IN GRADE SCHOOL	CHILDREN IN HIGH SCHOOL	MOVERS WITHOUT FAMILY	TOTAL MOVERS
ANNUAL EMPLOYEES							
HOUSE OWNED	3	2	6	3	1	0	3
HOUSE RENTED	1	1	5	4	0	1	2
APARTMENT RENTED	1	0	0	0	0	4	5
MOBILE HOME RENTED	0	0	0	0	0	2	2
MOBILE HOME OWNED	3	0	2	0	0	3	6
SLEEPING ROOM							
MOTEL							
OTHER	0	0	0	0	0	1	1
TOTAL	8	3	13	7	1	11	19
HOURLY EMPLOYEES							
HOUSE OWNED	8	3	10	5	2	1	9
HOUSE RENTED	12	8	19	9	7	3	15
APARTMENT RENTED	9	3	12	3	1	9	18
MOBILE HOME RENTED	9	5	15	9	2	12	21
MOBILE HOME OWNED	15	8	17	10	5	4	19
SLEEPING ROOM	1	1	1	1	1	2	3
MOTEL	2	1	4	2	0	1	3
OTHER	0	0	0	0	0	7	7
TOTAL	56	29	78	39	18	39	95
ALL EMPLOYEES							
HOUSE OWNED	11	5	16	8	3	1	12
HOUSE RENTED	13	9	24	13	7	4	17
APARTMENT RENTED	10	3	12	3	1	13	23
MOBILE HOME RENTED	9	5	15	9	2	14	23
MOBILE HOME OWNED	18	8	19	10	5	7	25
SLEEPING ROOM	1	1	1	1	1	2	3
MOTEL	2	1	4	2	0	1	3
OTHER	0	0	0	0	0	8	8
TOTAL	64	32	91	46	19	50	114

Table A-14

FOLLOW UP SURVEY
 WORKERS WHO MOVED INTO HARTSVILLE NUCLEAR PLANT AREA PAGE 016

HENDERSONVILLE
 EMPLOYEES LIVING WITHIN CITY LIMITS
 ACTIVE EMPLOYEES 09-30-81

RUN DATE 03/11/82
 REPORT 10
 RUN TIME 090415

	MOVERS WITH FAMILY	WITH CHILDREN IN SCHOOL	TOTAL NUMBER OF CHILDREN	CHILDREN IN GRADE SCHOOL	CHILDREN IN HIGH SCHOOL	MOVERS WITHOUT FAMILY	TOTAL MOVERS
ANNUAL EMPLOYEES							
HOUSE OWNED	6	2	4	2	1	2	8
HOUSE RENTED							
APARTMENT RENTED	4	1	2	1	1	5	9
MOBILE HOME RENTED							
MOBILE HOME OWNED							
SLEEPING ROOM							
MOTEL							
OTHER							
TOTAL	10	3	6	3	2	7	17
HOURLY EMPLOYEES							
HOUSE OWNED	18	11	34	19	7	0	18
HOUSE RENTED	5	3	5	3	2	1	6
APARTMENT RENTED	5	1	6	2	0	5	10
MOBILE HOME RENTED							
MOBILE HOME OWNED	2	0	1	0	0	0	2
SLEEPING ROOM							
MOTEL							
OTHER							
TOTAL	30	15	46	24	9	6	36
ALL EMPLOYEES							
HOUSE OWNED	24	13	38	21	8	2	26
HOUSE RENTED	5	3	5	3	2	1	6
APARTMENT RENTED	9	2	8	3	1	10	19
MOBILE HOME RENTED							
MOBILE HOME OWNED	2	0	1	0	0	0	2
SLEEPING ROOM							
MOTEL							
OTHER							
TOTAL	40	18	52	27	11	13	53

Table A-15

FOLLOW UP SURVEY
WORKERS WHO MOVED INTO HARTSVILLE NUCLEAR PLANT AREA PAGE 004

LAFAYETTE
EMPLOYEES LIVING WITHIN THE CITY LIMITS
ACTIVE EMPLOYEES 09-30-81
RUN DATE 03/11/82
REPORT 1A
RUN TIME 090415

	MOVERS WITH FAMILY	WITH CHILDREN IN SCHOOL	TOTAL NUMBER OF CHILDREN	CHILDREN IN GRADE SCHOOL	CHILDREN IN HIGH SCHOOL	MOVERS WITHOUT FAMILY	TOTAL MOVERS
ANNUAL EMPLOYEES							
HOUSE OWNED	3	2	4	3	1	0	3
HOUSE RENTED	2	1	2	1	0	2	4
APARTMENT RENTED	1	1	2	1	0	1	2
MOBILE HOME RENTED	1	1	1	1	0	0	1
MOBILE HOME OWNED							
SLEEPING ROOM							
MOTEL							
OTHER							
TOTAL	7	5	9	6	1	3	10
HOURLY EMPLOYEES							
HOUSE OWNED	23	15	39	23	10	0	23
HOUSE RENTED	9	6	17	8	1	2	11
APARTMENT RENTED	2	1	3	2	0	0	2
MOBILE HOME RENTED	3	3	6	6	0	1	4
MOBILE HOME OWNED	3	2	10	3	1	1	4
SLEEPING ROOM	0	0	0	0	0	1	1
MOTEL	0	0	0	0	0	1	1
OTHER							
TOTAL	40	27	75	42	12	6	46
ALL EMPLOYEES							
HOUSE OWNED	26	17	43	26	11	0	26
HOUSE RENTED	11	7	19	9	1	4	15
APARTMENT RENTED	3	2	5	3	0	1	4
MOBILE HOME RENTED	4	4	7	7	0	1	5
MOBILE HOME OWNED	3	2	10	3	1	1	4
SLEEPING ROOM	0	0	0	0	0	1	1
MOTEL	0	0	0	0	0	1	1
OTHER							
TOTAL	47	32	84	48	13	9	56

Table A-16

FOLLOW UP SURVEY
 WORKERS WHO MOVED INTO HARTSVILLE NUCLEAR PLANT AREA PAGE 005

LEBANON
 EMPLOYEES LIVING WITHIN THE CITY LIMITS
 ACTIVE EMPLOYEES C9-3C-81
 RUN DATE 03/11/82
 REPORT 1A
 RUN TIME 090415

	MOVERS WITH FAMILY	WITH CHILDREN IN SCHOOL	TOTAL NUMBER OF CHILDREN	CHILDREN IN GRADE SCHOOL	CHILDREN IN HIGH SCHOOL	MOVERS WITHOUT FAMILY	TOTAL MOVERS
ANNUAL EMPLOYEES							
HOUSE OWNED	7	4	8	4	1	0	7
HOUSE RENTED							
APARTMENT RENTED	3	1	1	1	0	3	6
MOBILE HOME RENTED							
MOBILE HOME OWNED	0	0	0	0	0	1	1
SLEEPING ROOM							
MOTEL	0	0	0	0	0	1	1
OTHER	0	0	0	0	0	1	1
TOTAL	10	5	9	5	1	6	16
FOURLY EMPLOYEES							
HOUSE OWNED	5	4	9	7	1	1	6
HOUSE RENTED	1	0	0	0	0	3	4
APARTMENT RENTED	6	3	10	2	2	9	15
MOBILE HOME RENTED							
MOBILE HOME OWNED	3	2	3	2	1	1	4
SLEEPING ROOM							
MOTEL							
OTHER	1	1	1	1	0	0	1
TOTAL	16	10	23	12	4	14	30
ALL EMPLOYEES							
HOUSE OWNED	12	8	17	11	2	1	13
HOUSE RENTED	1	0	0	0	0	3	4
APARTMENT RENTED	9	4	11	3	2	12	21
MOBILE HOME RENTED							
MOBILE HOME OWNED	3	2	3	2	1	2	5
SLEEPING ROOM							
MOTEL	0	0	0	0	0	1	1
OTHER	1	1	1	1	0	1	2
TOTAL	26	15	32	17	5	20	46

Appendix B

SECONDARY SOCIOECONOMIC IMPACT MONITORING
OF HARTSVILLE NUCLEAR PLANTS ENVIRONMENTAL IMPACT AREA

Secondary impact is defined as a temporary increase in the trade and service related resident population of the five-county area having an impact on community facilities and services which can be attributed to the Hartsville construction project.

TVA's monitoring program will consist of a three-step procedure during each reporting period for estimating and reconciling population changes for each of the impact area counties. Residential customers of power distributors and school enrollment will be used to provide independent estimates of county residential population change during a given reporting period. Population for the beginning of the first reporting period will be estimated by applying the procedure outlined in Step I below to the most current estimate of county population provided by U.S. Bureau of the Census Current Population Reports. Subsequent estimates of population for the start of a reporting period will be the TVA estimate at the end of the previous reporting period and will be adjusted each time more current census estimates are available.

An estimate of secondary impact will be made using the following three-step process.

Step I

Ratios of school enrollment and residential customers to population will be calculated at the beginning of the reporting period for each of the impact area counties. These ratios will be applied to the number of residential customers and school enrollment at the end of the period. This yields two estimates of population change during the reporting period. These two estimates are averaged to produce a single estimate of population change for each of the impact area counties.

Step II

Project employment population, taken from TVA employee surveys, will be subtracted from total adjusted population. If a residual population is derived, the analysis will continue to Step III.

Step III

This step comprises an analysis of nonproject related primary employment and its secondary effect to determine what part of the remaining unexplained population change should not be attributed to the project.

An estimate of change in total employment in each of the impact area counties during the reporting period is made using monthly data from the "CPS Labor Force Summary" produced by the Tennessee Department of Employment Security. In order to determine that part of the change in total employment which can be attributed to forces other than the construction project, it is necessary to estimate the change in nonproject related employment. Change in nonproject related primary employment is estimated using a linear interpolation of primary employment as a percent of total employment in 1970 and projected to 1980, as given in the 1974 report by the Tennessee State Planning Office, Tennessee Migration, Population Families, Income, and Manpower Demand Projections to 1990 for Development Districts and Counties. A ratio of .65 will be applied to the change in nonproject related primary employment to determine that part of the change in secondary employment which can be considered nonproject related. The total employment change is converted to population using an average family size of three and subtracted from any unexplained population remaining. [If there is no other explanation for the remaining population, then the possibility of it being the result of secondary employment does exist. However, there may be a delay of undetermined duration between a change in employment and the resultant change in population. Therefore, the unexplained population in any particular county should persist through more than one reporting period before it is termed as secondary impact.]

As results of the 1980 Census of Population or any other special census or census estimates are published, the population base of the impact area counties will be recalibrated. Residential customers, school enrollment, and total population will be recorrelated. Essentially, a new population base will be estimated from which to measure change throughout the remainder of the monitoring period.

[Revised 3/16/78]

Appendix C

TRAFFIC LEVEL DEFINED

Level of Service D

Level of service D approaches unstable flow, with tolerable operating speeds being maintained though considerably affected by changes in operating conditions. Fluctuations in volume and temporary restrictions to flow may cause substantial drops in operating speeds. Drivers have little freedom to maneuver, and comfort and convenience are low, but conditions can be tolerated for short periods of time.

Source: Highway Capacity Manual, Highway Research Board
Special Report 87, 1965.

Appendix D-1

EMPLOYEE QUESTIONNAIRE - TRADES AND LABOR

NAME _____ SOCIAL SECURITY NO. _____
 LAST FIRST

1. WHERE DID YOU LIVE BEFORE BEGINNING WORK ON THIS PROJECT?

_____ CITY
COUNTY
STATE
2. WHERE ARE YOU NOW LIVING DURING THE WORK WEEK?

_____ STREET ADDRESS
CITY
COUNTY
STATE
3. DO YOU LIVE INSIDE THE CITY LIMITS? ___ YES ___ NO
4. HOW DID YOU OBTAIN MOST OF THE TRAINING THAT PREPARED YOU FOR YOUR PRESENT TRADE OR TYPE OF WORK? (CHECK ONLY ONE)
___ 1. HIGH SCHOOL ___ 4. ARMED SERVICES
___ 2. COLLEGE ___ 5. ON THE JOB BUT NOT FORMAL
___ 3. VOCATIONAL SCHOOL OR FORMAL APPRENTICESHIP PROGRAM
 APPRENTICESHIP PROGRAM ___ 6. OTHER (PLEASE SPECIFY) _____
5. IMMEDIATELY BEFORE ACCEPTING EMPLOYMENT ON THIS PROJECT WHAT WAS YOUR LAST JOB (SUCH AS STEAMFITTING, LABORER, FARMING, MAINTENANCE, ETC.)?

6. WHAT TYPE OF BUSINESS WERE YOU IN (SUCH AS MANUFACTURING, CONSTRUCTION, REPAIR OR MAINTENANCE SHOP, ETC.)?

7. WHERE WAS THIS BUSINESS LOCATED?

_____ CITY
STATE
8. CHECK WHICH TYPE OF RESIDENCE IN THE PROJECT AREA WHERE YOU NOW LIVE.
___ 1. BOARDING OR SLEEPING ROOM ___ 4. MOBILE HOME
___ 2. MOTEL ___ 5. HOUSE
___ 3. APARTMENT ___ 6. OTHER (PLEASE SPECIFY) _____
9. IF YOU LIVE IN A HOUSE OR MOBILE HOME IN THE PROJECT AREA, DO YOU OWN IT?
___ YES ___ NO
10. IN THE PROJECT AREA, CHECK WITH WHOM YOU LIVE.
___ 1. BY MYSELF ___ 3. WITH ROOMMATES,
___ 2. WITH MY FAMILY HOW MANY? _____
 ___ 4. OTHER (PLEASE SPECIFY) _____
11. HOW MANY CHILDREN LIVE WITH YOU IN THE PROJECT AREA? _____
OF THESE, HOW MANY GO TO GRADE SCHOOL? _____
OF THESE, HOW MANY GO TO HIGH SCHOOL? _____
12. HAVE YOU LIVED AT YOUR PRESENT ADDRESS MORE THAN SIX MONTHS?
___ YES ___ NO

THANK YOU FOR COOPERATING IN THIS SURVEY.
HARTSVILLE NUCLEAR PLANT NEW EMPLOYEE SURVEY

Appendix D-2

EMPLOYEE QUESTIONNAIRE - SALARY POLICY

3

NAME _____ SOCIAL SECURITY NO. _____
 LAST FIRST

1. WHERE DID YOU LIVE BEFORE BEGINNING WORK ON THIS PROJECT?

CITY
COUNTY
STATE

2. WHERE ARE YOU NOW LIVING DURING THE WORK WEEK?

STREET ADDRESS
CITY
COUNTY
STATE

3. DO YOU LIVE INSIDE THE CITY LIMITS? ___ YES ___ NO

4. HOW DID YOU OBTAIN MOST OF THE TRAINING THAT PREPARED YOU FOR YOUR PRESENT TRADE OR TYPE OF WORK? (CHECK ONLY ONE OF THE FOLLOWING)

- | | |
|--------------------------|---|
| ___ 1. HIGH SCHOOL | ___ 4. ARMED SERVICES |
| ___ 2. COLLEGE | ___ 5. ON THE JOB BUT NOT FORMAL TRAINING PROGRAM |
| ___ 3. VOCATIONAL SCHOOL | ___ 6. OTHER (PLEASE SPECIFY) _____ |

5. IMMEDIATELY BEFORE ACCEPTING EMPLOYMENT ON THIS PROJECT WHAT WAS YOUR LAST JOB (SUCH AS CLERICAL, SECRETARIAL, ENGINEERING AIDE, LABORER, ETC.)?

6. WHAT TYPE OF BUSINESS WERE YOU IN (SUCH AS MANUFACTURING, CONSTRUCTION, RETAIL, SALES, SERVICES, ETC.)?

7. WHERE WAS THIS BUSINESS LOCATED?

CITY
STATE

8. CHECK WHICH TYPE OF RESIDENCE IN THE PROJECT AREA WHERE YOU NOW LIVE.

- | | |
|----------------------------------|-------------------------------------|
| ___ 1. BOARDING OR SLEEPING ROOM | ___ 4. MOBILE HOME |
| ___ 2. MOTEL | ___ 5. HOUSE |
| ___ 3. APARTMENT | ___ 6. OTHER (PLEASE SPECIFY) _____ |

9. IF YOU LIVE IN A HOUSE OR MOBILE HOME IN THE PROJECT AREA, DO YOU OWN IT?

___ YES ___ NO

10. IN THE PROJECT AREA, CHECK WITH WHOM YOU LIVE.

- | | |
|-----------------------|--|
| ___ 1. BY MYSELF | ___ 3. WITH ROOMMATES, HOW MANY? _____ |
| ___ 2. WITH MY FAMILY | ___ 4. OTHER (PLEASE SPECIFY) _____ |

11. HOW MANY CHILDREN LIVE WITH YOU IN THE PROJECT AREA? _____

OF THESE, HOW MANY GO TO GRADE SCHOOL? _____

OF THESE, HOW MANY GO TO HIGH SCHOOL? _____

12. HAVE YOU LIVED AT YOUR PRESENT ADDRESS MORE THAN SIX MONTHS?

___ YES ___ NO

THANK YOU FOR COOPERATING IN THIS SURVEY
HARTSVILLE NUCLEAR PLANT NEW EMPLOYEE SURVEY

Appendix D-3

FOLLOW-UP QUESTIONNAIRE

1. Do you still live at _____ (Employee's Address) _____ ?

____ YES.
____ NO.

IF SO, SKIP TO QUESTION 2.
IF NOT, PLEASE ANSWER THE FOLLOWING QUESTIONS:
WHERE ARE YOU NOW LIVING DURING THE WORK WEEK?

_____ STREET ADDRESS
CITY
COUNTY
STATE

DO YOU LIVE INSIDE THE CITY LIMITS? _____ YES _____ NO

CHECK WHICH TYPE RESIDENCE IN THE PROJECT AREA YOU LIVE IN

- ____ 1. BOARDING OR SLEEPING ROOM
- ____ 2. MOTEL
- ____ 3. APARTMENT
- ____ 4. MOBILE HOME
- ____ 5. HOUSE
- ____ 6. OTHER (PLEASE SPECIFY) _____

2. IF YOU LIVE IN A HOUSE OR MOBILE HOME IN THE PROJECT AREA, DO YOU OWN IT?

____ YES _____ NO

3. IN THE PROJECT AREA CHECK WITH WHOM YOU NOW LIVE:

- ____ 1. BY MYSELF
- ____ 2. WITH MY FAMILY
- ____ 3. WITH ROOMMATES. HOW MANY? _____
- ____ 4. OTHER (PLEASE SPECIFY) _____

4. HOW MANY CHILDREN LIVE WITH YOU IN THE PROJECT AREA? _____

OF THESE, HOW MANY GO TO GRADE SCHOOL? _____

OF THESE, HOW MANY GO TO HIGH SCHOOL? _____

5. HAVE YOU LIVED AT YOUR PRESENT ADDRESS MORE THAN SIX MONTHS? _____ YES _____ NO

6. HAVE YOU OR ANY OF YOUR FAMILY LIVING WITH YOU IN THE PROJECT AREA HAD ANY DIFFICULTY OBTAINING HEALTH TREATMENT?

____ YES. IF SO, CHECK THOSE WHICH YOU HAD DIFFICULTY OBTAINING:

- ____ DOCTOR (NOT EMERGENCY)
- ____ DENTIST
- ____ EMERGENCY MEDICAL TREATMENT
- ____ HOSPITALIZATION
- ____ OTHER (PLEASE SPECIFY) _____

____ NO

7. HAVE YOU OR ANY OF YOUR FAMILY LIVING WITH YOU IN THE PROJECT AREA HAD TO TRAVEL OUTSIDE YOUR PRESENT COUNTY TO OBTAIN HEALTH TREATMENT?

____ YES. IF SO, WHAT WAS THE SERVICE AND WHERE DID YOU HAVE TO GO?

____ NO _____

THANK YOU FOR COOPERATING IN THIS SURVEY.

HARTSVILLE NUCLEAR PLANT FOLLOWUP

Appendix E

Socioeconomic Monitoring Cycle

Time Required
from Official
Survey Date*

Activity

2 weeks	Allow for personnel paperwork
3 weeks	Print address labels, survey forms and mail to project.
3 weeks	Conduct survey and return forms.
2 weeks	Code forms, update files, produce tables, and send tables to coordinator.
4 weeks	Contingency time for reproduction, mail, or project site problems.
2 weeks	Prepare first two sections of report and send to functional staff.**
3 weeks	Functional staffs draft sections and submit them.
4 weeks	Prepare and distribute draft report and receive comments.
2 weeks	Incorporate comments and send final report to reproduction.
2 weeks	Printing.
2 weeks	Contingency time for mail, typing, or other delays.
1 week	Distribute reports.

*The survey date for each project is the last day a person can be hired and still be surveyed.

**Functional staff are those dealing with specific areas such as education or health.

