2.1 Geography and Demography

EF3 COL 2.0-2-A

2.1.1 Site Location and Description

2.1.1.1 Specification of Location

The proposed reactor is designated as Fermi 3. It is located on the same site as Fermi 2. The location of each reactor at the Fermi site is specified by latitude, longitude and Universal Transverse Mercator (UTM) coordinates below.

The Fermi site is located in Stony Point quadrangle, found in the U.S.

| Fermi 2 | Latitude | Longitude |
|---------|---------------------------|-------------------|
| | 41° 57' 48" North | 83° 15' 31" West |
| | Zone 17T UTM (NAD83) Coor | dinates |
| | 4,647,950 m Northing | 312,930 m Easting |
| | | |
| Fermi 3 | Latitude | Longitude |
| | 41° 57' 39" North | 83° 15' 43" West |
| | Zone 17T UTM (NAD83) Coor | dinates |
| | 4,647,902 m Northing | 312,551 m Easting |

Geological Survey (USGS) map index for Michigan. USGS Estral Beach, Michigan, quadrangle brackets the site to the northeast, and USGS Monroe, Michigan, quadrangle brackets the site to the southwest. (Reference 2.1-201, Reference 2.1-202, Reference 2.1-203) The Fermi 3 site grade elevation is at 179.6 m (589.3 ft) NAVD 88¹.

The Fermi site is located in Monroe County in southeastern Michigan, about 32.2 km (20 mi) north of the Michigan/Ohio border. The US/Canada international border runs through Lake Erie about 11.3 km (7 mi) east of Fermi 3. The site is on the west shore of Lake Erie at Lagoona Beach, Frenchtown Township, Monroe County, Michigan,

NAVD 88 is the reference datum for use at the Fermi 3 site. The Fermi 3 FSAR may provide elevations in various datums. The following table provides the relationship of other referenced datums to NAVD 88.

| | Metric Units | English Units | | | | |
|----------------------------------|--------------|---------------|--|--|--|--|
| | (m) | (ft) | | | | |
| NAVD 88 (current msl) | 100 | 100 | | | | |
| IGLD 55 | 99.74 | 99.15 | | | | |
| IGLD 85 | 99.92 | 99.74 | | | | |
| NGVD 29 (old msl) | 99.85 | 99.51 | | | | |
| Plant Datum | 100.37 | 101.22 | | | | |
| *msl = means sea level elevation | | | | | | |

approximately 38.6 km (24 mi) northeast of Toledo, Ohio, and 48.3 km (30 mi) southwest of Detroit, Michigan. Figure 2.1-201 shows the location of Fermi 3 in relation to the counties and larger cities and towns in the region within a radius of 80 km (50 mi) from the center of the Fermi 3 power block.

Figure 2.1-202 shows Fermi 3 in relation to the features of the surrounding 12 km (7.5 mi) vicinity. Prominent natural features include Lake Erie adjacent to the eastern Fermi site property boundary, Swan Creek approximately 1.6 km (1 mi) north, Stony Point about 3.2 km (2 mi) south, Pointe Mouillee State Game Area about 4.8 km (3 mi) northeast, Sterling State Park approximately 8 km (5 mi) southwest, the Huron River about 9.25 km (5.75 mi) north, and River Raisin located 9.6 km (6 mi) southwest. The village of Stony Point is approximately 1.6 km (1 mi) to the south, Estral Beach is approximately 3.2 km (2 mi) north, Woodland Beach is located 4.8 km (3 mi) southwest, Detroit Beach is 6.4 km (4 mi) southwest, and the City of Monroe, Michigan, is approximately 11.3 km (7 mi) southwest of Fermi 3. Prominent manmade features such as industrial, military, and transportation facilities are detailed in Section 2.2.

2.1.1.2 Site Area Map

The property boundary shown on Figure 2.1-203 encompasses approximately 509.9 hectares (1260 acres) that comprise the Fermi site. The site boundary lines are essentially the same as the plant property lines. The site is bounded on the north by Swan Creek, on the east by Lake Erie, on the south by Pointe Aux Peaux Road, and on the west by Toll Road. Entrance to the site is from Dixie Highway to the west along Fermi Drive, a private road, where the applicant maintains control of ingress to and egress from the Fermi site through the main gate. There is an auxiliary gate onsite to the south on Pointe Aux Peaux Road; however, this gate is kept locked at all times and requires a key for entry by authorized Detroit Edison personnel.

Figure 2.1-204 shows the location of principal plant structures onsite, including the reactor building, auxiliary buildings, and turbine building. Other than the Fermi 2 structures, there are no active industrial, military, institutional, recreational, or residential facilities onsite. There is a 150 m (492 ft) communications tower near the north edge of Boomerang Road, south of the power plant area and close to the Lake Erie shoreline, which is owned by the applicant but leased to a private commercial company. A

firing range is located off the north end of Doxy Road near Bullit Road. The station's small heliport is on the east side of Quarry Lake in the southwest part of the site across the lake from the Nuclear Training Center and the Nuclear Operations Center. The applicant's private rail spur is served by Canadian National Railway and parallels Fermi Drive on the north side of the road from Dixie Highway onto the site. The northern and southern areas of the site are dominated by large lagoons. The western areas are dominated by several woodlots and quarry lakes. Site elevation ranges from the level of Lake Erie, on the eastern edge of the site, to approximately 7.6 m (25 ft) above the lake level on the western edge of the site.

EF3 COL 2.0-3-A

2.1.2 Exclusion Area Authority and Control

2.1.2.1 Authority

As shown in Figure 2.1-204, the Fermi 3 Exclusion Area Boundary (EAB) is designated as the area encompassed by an 892.45 m (2928 ft) radius circle around the reactor center. The Fermi 2 and Fermi 3 exclusion areas overlap a significant amount of the same area and are entirely within the 509.9 hectares (1260 acres) owned by Detroit Edison with the exception of a few small areas in Lake Erie to the east. Detroit Edison owns a 16.2 hectare (40 acre) parcel of submerged land in Lake Erie expressly for protection and maintenance of the intake channel. Detroit Edison has fee simple absolute ownership of all the land within the Fermi site property boundary, and therefore the applicant has the authority to determine all activities, including exclusion and removal of personnel and property from the EAB, as specified by 10 CFR 100.21(a). All points of personnel and vehicle access to the site are strictly controlled utilizing methods such as searches, escorts for visitors, and ensuring individuals are evacuated in the event of an emergency.

Detroit Edison owns and controls 99.93 percent of the mineral rights within the Fermi site, and all of the mineral rights within the EAB. One third party, the Michigan Department of Natural Resources (MDNR), owns 0.36 hectare (0.88 acre) of mineral rights in the far southeast portion of the Fermi site (Reference 2.1-204). This very small mineral rights holding by the MDNR is in an area removed from the portions of the site that will be affected by Fermi 3 site preparation, preconstruction, construction, or operation; therefore, Detroit Edison owns and effectively

controls the mineral rights in the Fermi 3 power block and associated exclusion area (Reference 2.1-205). There is no activity at the Fermi site or in adjacent areas involving exploration for, drilling for, or otherwise extracting minerals. The geological character of the subsurface structure and the land use in the vicinity of the Fermi site indicate that commercial mineral production appears unlikely in the foreseeable future. No mineral resources of known commercial value are present within the areas within the site boundary or adjacent to the site. No mineral resources are being exploited on the site or in adjacent areas, nor are these resources expected to be developed in the future.

The Fermi site property is owned by Detroit Edison, while the 345 kV and 120 kV switchyards and transmission equipment onsite as well as outward from the Fermi site is owned, operated and maintained by the International Transmission Company (ITC *Transmission*). There are easements on Fermi property granted to ITC *Transmission* for the 345 kV and 120 kV transmission lines as they leave their respective switchyards. Transmission lines over the Fermi site and along the entire transmission corridor routes run within ITC *Transmission* easements.

Detroit Edison owns the 3.2-km (2-mi) length of railroad coming into the Fermi site from Dixie Highway; the Canadian National Railway has an easement on the rail spur on Fermi property for maintenance. Detroit Edison owns the roads that traverse the exclusion area. No one resides in the exclusion area.

2.1.2.2 Control of Activities Unrelated to Plant Operation

Permitted activities unrelated to plant operation which take place within the exclusion area are intermittent and short term. All visitors are provided with general safety rules and evacuation instructions.

U.S. Fish and Wildlife Service (USFWS) personnel access the Fermi site on a limited basis as needed for various projects related to the Lagoona Beach Unit of the Detroit River International Wildlife Refuge (DRIWR) (Reference 2.1-206), which encompasses much of the undeveloped woody wetlands onsite. Detroit Edison has had a cooperative agreement with USFWS since 2003 that allows the USFWS to assist in managing the refuge areas while Detroit Edison retains ownership and control of the entire site. In the past, individuals from conservation organizations have been allowed onto the

designated refuge areas to perform specific projects and restore wetland habitat under the supervision of USFWS.

- A commercial telecommunication company accesses the 150 m (492 ft) communications tower as needed to maintain equipment.
- Annually or as needed, two National Oceanic and Atmospheric Administration (NOAA) personnel maintain the lake gauge station on the water intake bay.
- Public relation type tours are given occasionally to government, corporate, and institutional staff. Approximately 25 people on an annual basis may transit the EAB to view site features.
- One day a year in the spring, approximately 20 people access the Lake Erie shoreline areas north and south of the plant to observe or take part in bald eagle banding.
- Approximately 5 personnel from the Audubon Society and Fermi perform an annual Christmas bird count which occurs throughout the Lagoona Beach Unit of the DRIWR onsite.
- Once every year or two, a few people come onto the site for a couple days to maintain the prairie restoration area just inside the main gate and north of Fermi Drive as shown on Figure 2.1-204. This activity includes mowing/haying and applying herbicide to control invasive vegetation.
- Every 3 years, Fermi and Detroit Edison corporate environmental experts perform a site inventory to meet requirements of their Wildlife Habitat Certification. Typically, this activity involves approximately 20 people walking through the Lagoona Beach Unit of DRIWR over two days to count and record types of plants, trees, birds, wildlife, insects, and endangered and threatened species.

2.1.2.3 Arrangements for Traffic Control

The exclusion area for Fermi 3 is not traversed by any highway or public railroad. The closest major shipping lane is the Outer West Channel in Lake Erie which lies 7.2 km (4.5 mi) east and well outside of the Fermi 3 EAB. The access and control practices in effect for onsite private roads, the railroad spur, and the portion of the EAB in Lake Erie for Fermi 2 are also maintained for Fermi 3.

The water portion of Fermi 2 and Fermi 3 EABs in Lake Erie is controlled through security surveillance, use of the public address (PA) system to

warn boaters, and placement of buoys which identify the area as restricted. Additional protection is provided by the designation of all waters and adjacent shoreline as a security zone as set forth in 33 CFR 165.915 (Reference 2.1-207). Entry into this zone is prohibited unless authorized by the U.S. Coast Guard. Flyers providing information to boaters regarding the Fermi security zone and restricted area are posted at nearby marinas and bait shops. The Lake Erie shoreline on the plant site is unsuitable for beach activities, inaccessible to the public from the land side, and posted as private property. Due to poor fishing and the shallow characteristics of Lake Erie in this area, past experience indicates the public attempts to use the shoreline area or approach the site from the lake infrequently.

2.1.2.4 Abandonment or Relocation of Roads

No public roads traverse the proposed Fermi 3 EAB; therefore, no public roads are abandoned or relocated due to construction and operation of Fermi 3. There are private roads inside the EAB as part of this project which are owned by the applicant.

EF3 COL 2.0-4-A

2.1.3 **Population Distribution**

The permanent population data presented in this section are primarily derived from the 2000 U.S. Census information contained in LandView[®] 6². This software is a flexible tool capable of identifying economic and demographic information in a selected geographic area. Sources for population data and projections, as well as information on seasonal variations (transient) population in the area around the Fermi site are identified and referenced in this section, as appropriate. The population data and general descriptions of human activity and seasonal variations are provided to comply with Regulatory Guide 1.206. In general, the Fermi 3 Environmental Report was the basis for the information included in this section. This information was updated with data obtained by research, as cited. Also, census data was augmented by information

^{2.} LandView[®] 6 software is the result of a collaborative effort among the U.S. Environmental Protection Agency (EPA), the U.S. Census Bureau, the National Oceanic and Atmospheric Administration (NOAA), and the U.S. Geological Survey (USGS) to provide the public readily accessible published federal spatial and demographic data. It is composed of two software programs: the LandView[®] 6 database manager and the MARPLOT[®] map viewer. These two programs work in tandem to create a computer mapping system that displays individual map layers and the associated demographic and spatial data.

from other agencies and public organizations from the States of Michigan and Ohio and from Canada. This augmented information includes descriptions and data for facilities, schools, parks, recreational areas, etc.

The region, defined as the area encompassed by a 80-km (50-mi) radius from the center of the Fermi 3 power block, includes all or a portion of 16 counties in Michigan and Ohio and 3 counties in Ontario, Canada, which are listed in Table 2.1-201³. These areas are also shown in Figure 2.1-205 where an 80-km (50-mi) circle from Fermi 3 is also drawn.

2.1.3.1 **Population Data**

2.1.3.1.1 Permanent Population within 16 km (10 mi) and 80 km (50 mi)

Figure 2.1-206 is a map of the area within 16 km (10 mi) of the Fermi site with concentric circles of 1.6, 3.2, 4.8, 6.4, and 8 km (1, 2, 3, 4, 5, and 10 mi). The circles are divided into 22.5-degree segments with each segment centered on one of the 16 compass points (e.g., north, north-northeast). Within each area formed by the concentric circles and radial lines, the estimated permanent (resident) population for 2000 is listed, per LandView[®] 6.

The resulting population statistics are also listed in Table 2.1-202. The population within 8 km (10 mi) of the Fermi 3 power block was 89,198 in 2000. The largest population segment lies west-southwest of the site in the City of Monroe. The largest population areas, according to LandView[®] 6, and their relative location and distance to the Fermi 3 power block are listed in Table 2.1-203.

Figure 2.1-207 illustrates the segment population in the 80-km (50-mi) radius around Fermi 3. The population statistics are also listed in Table 2.1-204. The segment population was derived from LandView[®] 6 using Census Block Points, which represent a small population for a limited but unspecified area around the block point and are the most accurate method of estimating segment population. Figure 2.1-208 shows all the Census Block Points for Monroe County and the demographic information that each block point represents. To develop the population for each segment the following methodology was used. For the 0 to

^{3.} Generally, Canadian provinces are equivalent to U.S. states, Canadian divisions (many divisions make up a province) are equivalent to U.S. counties, and Canadian subdivisions (many subdivisions make up a division) are equivalent to U.S. tracts (many tracts make up a county).

1.6-km (0 to 1-mi) distance from the plant, the population for all Census Block Points lying within the 1.6-km (1-mi) radius was summed. For other distances beyond the 1.6-km (1-mi) radius, Census Block Point populations were allocated in their entirety to the segment in which it was reported in LandView[®] 6, see Figure 2.1-209. Even though a portion of the Census Block Point population around the edge of a segment could lie in an adjacent segment, this methodology was deemed reasonable, since the net effect of these adjustments would tend to cancel out. For the segments in Canada, ArcGIS⁴ software was used to find the percentage of each segment lying within a Canadian county, this percentage was then multiplied by the population in each county.

2.1.3.1.2 **Transient Population**

Transient populations include those populations that do not reside permanently in an area but are there instead on a temporary basis. There are a large number of categories that can potentially be considered as part of the transient population. Such categories include employees at businesses located outside the workers' area of residence, hotel and motel guests, and patrons of sporting events and recreational facilities. There are also special facilities whose populations can be counted as transient and these include schools, hospitals and nursing homes, and correction facilities.

When viewing transient population figures, it should be kept in mind that it is not possible to determine how many persons in some categories (e.g. the workforce at an employer, guests in a hotel, etc.) reside within or outside the study area, meaning that the category can lead to double counting, especially in larger geographic areas. Therefore, the sum of the resident and transient populations tends to overstate the total area population. Nevertheless, transient population estimates can be useful and are provided below for the 0 to 16-km (10-mi) and 16 to 80-km (10 to 50-mi) radii from the Fermi 3 power block.

2.1.3.1.2.1 Transient Population within Approximately 16 km (10 mi)

An estimate of the total transient population, which includes the transient population (persons who live outside of the Emergency Planning Zone

^{4.} ArcGIS Desktop is a mapping and data analysis software that allows the user to discover patterns, relationships, and trends in data, and to map and integrate data, perform advanced analysis, model and automate operational processes, and display results on professional-quality maps.

(EPZ) boundary but enter the EPZ for a specific reason, and then leave the EPZ; examples include campers or recreational facility users) plus commuter-employees (persons who live outside the EPZ yet commute to work within the EPZ) for the EPZ has been estimated in the "Fermi Nuclear Power Plant Development of Evacuation Time Estimates" (the "Evacuation Time Estimate" (ETE)) as contained in COLA Part 5 (Reference 2.1-208). This estimate was developed in May 2008 by KLD Associates, Inc. for Detroit Edison Company.

The Evacuation Time Estimate reports the transient population for the two groups listed above. The information is organized by the distance and compass direction from the Fermi site. Based on the resident population developed above and the total transient population from the ETE, the total 16-km (10-mi) radius population (permanent plus transient total) is estimated at 106,736 in Table 2.1-205 (Reference 2.1-209) and the transient population of 17,538 comprises approximately 16.4 percent of this figure.

Figure 2.1-210 is a map of the resident plus transient population by segment in the 16-km (10-mi) Fermi 3 EPZ. Table 2.1-205 also lists the permanent and total transient population estimates as well as population densities for concentric circles within the 16-km (10-mi) radius of the Fermi 3 power block.

2.1.3.1.2.2 Transient Population up to 80 km (50 mi)

The estimated transient population for the Fermi 0 to 80-km (50-mi) radius in 2000 is listed in Table 2.1-206 as 200,656. The table also shows the resident and transient total population and the population density for concentric circles up to 80 km (50 mi). Approximately 3.6 percent of the total population of 5.6 million in the 0 to 80-km (50-mi) radius concentric circle is estimated to be transient.

Figure 2.1-211 is a map indicating the resident and transient population distribution by segment in the 80-km (50-mi) Fermi region. On this map, the estimated total transient population for each Michigan or Ohio segment within each concentric circle was calculated by combining estimates of the following, as explained further below.

- 2000 U.S. Census commuter information for each county (Reference 2.1-210)
- 2000 U.S. Census information from LandView[®] 6 on the number of Recreational, Seasonal, and Occasional housing units in the 80-km (50-mi) Region (Reference 2.1-211)

· Special facilities transient population data

The 2000 U.S. Census reports commuter inflow and outflow information for each county. Table 2.1-207 lists the commuter inflow and outflow data for counties within 80 km (50 mi) of the Fermi site. Once this commuter information was compiled, ArcGIS software was used to find the percentage of each county lying within a segment. Multiplying this percentage by the commuter net flow for each county produced an estimate of the net commuter transient population for each concentric circle segment for the 16 to 80-km (10 to 50-mi) radius.

The LandView[®] 6 software was used to estimate the transient population associated with the use of recreational, seasonal, or occasional housing units as follows. LandView® 6 was used to determine the number of houses in each segment based on Census Block Point data. For each segment, the number of housing units was then multiplied by the percentage of total housing units in the generally corresponding Census Block Group classified as "for recreational, seasonal, or occasional use." The result was an estimate of the number of houses in each segment that were vacant. Next, and to translate this into a population estimate, the number of units for recreational, seasonal, or occasional use for each segment was multiplied by the county's average household size to arrive at the maximum population in recreational, seasonal, or occasional housing units in each segment. Finally, because these units are only occupied part of the year, it was assumed that three quarters of the housing units would only be occupied for three months (one-quarter) of the year. Thus, by multiplying the maximum population in recreational, seasonal, or occasional housing units by 0.1875 (0.75 x 0.25) an estimate of the equivalent transient housing population for recreational, seasonal or occasional use for each segment was derived.

Table 2.1-208 lists special facilities transient population information for several categories (correctional facilities, college dormitories, nursing homes, hospitals, religious group quarters, and other non-household living situations) for each county within 80-km (50 mi) of the site. ArcGIS software was used to find the percentage of each county lying within a segment. Multiplying this percentage by the transient population for each county produces an estimate of transient population for each corrective segment for these several categories.

The transient population for segments in Canada was assumed equal to the same percentage as the transient population percentage in the United States. This methodology was deemed appropriate because the transient population makes up a small percentage of the total population, 3.6 percent for the U.S. region within 80 km (50 mi) of the Fermi site and the percentage of resident Canadian population to the whole regional resident population was 8.7 percent.

2.1.3.1.3 **Projected Total Populations**

Population projections for the segments within 16 km (10 mi) of the Fermi 3 power block for 2000, 2008, 2013, 2018, 2020 and for each subsequent decade for four decades through the year 2060 (the assumed end of the initial plant license period) are based upon the average annual growth rate in census population from 1990 through 2005 (Table 2.1-209) for the regional counties, applied to the 2000 resident and transient population estimate for each segment. ArcGIS software was used to find the percentage of each segment lying within an area. A weighted average growth rate for each segment was calculated by summing up the product of the county growth rate and the segment tract area percentage associated with each county. Figure 2.1-212 shows a graphical representation of this methodology. The transient population was estimated to grow at the same rate as the resident population because schools, employment, and a number of other transient categories are generally linked to resident population. The resulting population projection is listed in Table 2.1-210 for the 0 to 16-km (10-mi) radius around Fermi.

The population projections for the 16 to 80-km (10 to 50-mi) segments from the Fermi 3 power block for 2000, 2008, 2013, 2018, 2020, and for each subsequent decade for four decades through the year 2060 are based upon the average annual growth rate in United States county census population from 1990 through 2005 (Table 2.1-209) and the average annual growth rate in Canadian census county population from 1996 through 2006 (Table 2.1-211), applied to the 2000, for the United States, and the 2001, for Canada, resident and transient population estimate for each segment. The resulting population projection for the 16 to 80-km (10 to 50-mi) segments are listed in Table 2.1-212.

2.1.3.2 Exclusion Area

There are no residents within the Exclusion Area Boundary.

2.1.3.3 **Low Population Zone**

The definition of a Low Population Zone (LPZ) as stated in 10 CFR 100 is: "the area immediately surrounding the exclusion area which contains residents, the total number and density of which are such that there is a reasonable probability that appropriate protective measures could be taken in their behalf in the event of a serious accident." The Fermi 3 LPZ radius is defined as a 5 km (3-mi) radial distance measured from the power block center. Figure 2.1-213 illustrates the LPZ and the transportation routes within approximately a 8 km (5-mi) radius of the Fermi site. Figure 2.1-213 also shows the industrial facilities, parks and other facilities within 8 km (5 mi) of the Fermi site that may require special consideration⁵. There are no hospitals or prisons within 8 km (5 mi) of Fermi 3. Table 2.1-213 and Table 2.1-214 provide more detailed information about the facilities (or institutions) and schools within 8 km (5 mi), respectively.

Population data for the LPZ is listed in Table 2.1-215 for 2000, 2020 and 2060. Table 2.1-215 shows that the permanent (resident) population within the LPZ was 5761 in 2000 and the transient population was 493. The population density for the total population (resident plus transient) in the LPZ was 221 persons per square mile in 2000. The population density is projected to reach 268 persons per square mile by 2020, the assumed in-service operational date. By 2060, the population density is projected to reach 332 persons per square mile when the total population is projected to be 9393.

The Fermi 3 daily workforce is in addition to other institutions within 80 km (5 mi) of the facility that are of special concern. Based on the analysis developed above, the transient population for the LPZ is estimated to be 493 (includes Fermi 2 work force).

2.1.3.4 **Population Center**

A population center is defined in 10 CFR 100 as a densely populated area where there are about 25,000 inhabitants or more. In making the determination of the nearest populated area, clusters of populations near official political boundaries are considered. Based on the LandView[®] 6 software, the population center nearest to the site is the population area of Monroe, consisting of Monroe, West Monroe, and South Monroe. This

^{5.} If an institution had a sizable population greater than 250 persons or handled hazardous material it was deemed as require special consideration.

area boundary is located approximately 8.9 km (5.5 mi) from the site and this area contained a total population of 32,339 in 2000. Applying Monroe County's average annual growth rate of 0.94 percent to the area of Monroe's 2000 population of 32,339 yields a 2057 population projection of 55,123. As a result, the Monroe population area is projected to remain the nearest population center in 2057, the projected end of plant life (assuming an initial operation of 2017 with a 40 year operating life).

2.1.3.5 **Population Density**

The cumulative permanent (resident) population for 2000 was calculated using the data from LandView[®] 6 software provided by the U.S. Census Bureau. The permanent population density for the County of Monroe, in which the site is located, is 264.8 persons per square mile; for the State of Michigan, it is 175.0 persons per square mile; for the State of Ohio, it is 277.3 persons per square mile.

Regulatory Guide 4.7, Position C.4 specifies that "a reactor would be located so that, at the time of initial site approval and within about 5 years thereafter, the population density, including weighted transient population, averaged over any radial distance out to 32 km (20 mi) (cumulative population at a distance divided by the circular area at that distance), does not exceed 500 persons per square mile." The projected initial site approval date for Fermi 3 is 2013. Based on data from Table 2.1-216 and Table 2.1-217, the Fermi 3 population density lies below this threshold. The data in Table 2.1-216 and Table 2.1-217 is based on population data from Section 2.1.3.1 above.

2.1.4 References

- 2.1-201 U. S. Geological Survey, USGS Store, Product Lines, by Type (Series) 1:24,000 7.5 Minute Quadrangle Maps, Search: Michigan SA SZ, "Product 65636 Stony Point, MI", (Survey Date: 1978, Print Date: 1989), ISBN: 978-0-607-25177-7, http://store.usgs.gov, accessed 6 September 2007.
- 2.1-202 U.S. Geological Survey, USGS Store, Product Lines, by Type (Series) 1:24,000 7.5 Minute Quadrangle Maps, Search: Michigan EA EZ, "Product 65011 Estral Beach, MI", (Survey Date: 1981, Print Date: 1981), ISBN: 978-0-607-24684-1, http://store.usgs.gov, accessed 6 September 2007.

- 2.1-203 U.S. Geological Survey, USGS Store, Product Lines, by Type (Series) 1:24,000 7.5 Minute Quadrangle Maps, Search: Michigan MA MZ, "Product 65338 Monroe, MI", (Survey Date: 1979, Print Date: 1979), ISBN: 978-0-607-24934-7, http://store.usgs.gov, accessed 6 September 2007.
- 2.1-204 Michigan Department of Natural Resources, Forest, Mineral, and Fire Management, "DNR Land and Mineral Ownership, Monroe County, Map Locator" (01/08/2008), http://www.dnr.state.mi.us/spatialdatalibrary/pdf_maps/ownership_dnr/monroe_dnr_ownership.pdf, accessed 15 January 2008.
- 2.1-205 Michigan Department of Environmental Quality, Office of Geological Survey, "Mineral Rights" brochure, http://www.deq.state.mi.us/documents/deq-ogs-land-oilandga s-mineral-rights.PDF, accessed September 2007.
- 2.1-206 U.S. Fish and Wildlife Service, "Detroit River International Wildlife Refuge", Midwest Region, Refuge Information, Refuge Map, http://www.fws.gov/midwest/detroitriver/, accessed 21 December 2007.
- 2.1-207 Code of Federal Regulations, Title 33: Navigation and Navigable Waters, Part 165 Regulated Navigation Areas and Limited Access Areas, Subpart F Specific Regulated Navigation Areas and Limited Access Areas Ninth Coast Guard District, "Section 165.915 Security zones; Captain of the Port Detroit", (a) Security zones, (1) Enrico Fermi 2 Nuclear Power Station, http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&sid=9daea e5c917173c9815508be259994aa&rgn=div8&view=text&node =33:2.0.1.6.34.6.196.133&idno=33, accessed 5 May 2008.
- 2.1-208 KLD Associates, Inc, "Fermi Nuclear Power Plant Development of Evacuation Time Estimate", May 2008.
- 2.1-209 Black & Veatch Transient Population Analysis, Source: come from LandView[®] 6.
- 2.1-210 United States Census 2000, "County-To-County Worker Flow Files", http://www.census.gov/population/www/cen2000/commuting. html, accessed 19 November 2007.

- 2.1-211 LandView[®] 6 on DVD with MARPLOT[®], a Viewer for EPA, Census Bureau and USGS data and maps, December 2003, http://landview.census.gov, (Census Block Groups).
- 2.1-212 LandView[®] 6 on DVD with MARPLOT[®], a Viewer for EPA, Census Bureau and USGS data and maps, December 2003, http://landview.census.gov, (County Information).
- 2.1-213 LandView[®] 6 on DVD with MARPLOT[®], a Viewer for EPA, Census Bureau and USGS data and maps, December 2003, http://landview.census.gov, (Census Block Point Information).
- 2.1-214 City-Data.com, "General Information," http://www.city-data.com/, accessed 13 October 2007.
- 2.1-215 Black & Veatch Population Projections Analysis, LandView[®] 6 and US Census referenced.
- 2.1-216 U.S. Environmental Protection Agency, "Envirofacts Data Warehouse", lists of Newport, Michigan, facilities by 48166 zipcode permitted to release toxics to air, land, and water, http://oaspub.epa.gov/enviro/ef_home3.html?p_zipcode=481 66&p_type=zip, accessed 10 September 2007.
- 2.1-217 U.S. Environmental Protection Agency, "Envirofacts Data Warehouse", lists of Monroe Harbor, Michigan, facilities by 48162 zipcode permitted to release toxics to air, land, and water", http://oaspub.epa.gov/enviro/ef_home3.html?p_zipcode=481 62&p_type=zip, accessed 10 September 2007.
- 2.1-218 U.S. Environmental Protection Agency, "Envirofacts Data Warehouse", lists of Monroe, Michigan, facilities by 48161 zipcode permitted to release toxics to air, land, and water", http://oaspub.epa.gov/enviro/ef_home3.html?p_zipcode=481 61&p_type=zip, accessed 10 September 2007.
- 2.1-219 U.S. Environmental Protection Agency, "Enforcement & Compliance History Online (ECHO)", list by zip code for Newport, Monroe, & Rockwood, Michigan, http://www.epa-echo.gov/echo/compliance_report.html, accessed 10 September 2007.

2.1-220 Institute of Education Sciences, U.S. Department of Education, National Center for Education Statistics, "Search for schools, Colleges, and Libraries," http://nces.ed.gov/globallocator/index.asp?search=1&State=&city=&zipcode=48162&miles=10&itemname=&sortby=name&School=1&PrivSchool=1&College=1&Library=1&CS=4F9B788F, accessed 24 April 2008.

Table 2.1-201 U.S. Counties and Canadian Counties within 80 km (50 mi)
Radius of Fermi 3 [EF3 COL 2.0-4-A]

| Michigan Counties | Ohio Counties | Ontario CA Counties |
|-------------------|---------------|---------------------|
| Jackson | Erie | Essex |
| Lenawee | Fulton | Chatham-Kent |
| Livingston | Henry | Lambton |
| Macomb | Lucas | |
| Monroe* | Ottawa | |
| Oakland | Sandusky | |
| Washtenaw | Seneca | |
| Wayne | Wood | |

^{*} Proposed Location of Fermi 3

Table 2.1-202 Resident Population Distribution by Segment, 0 to 16 km (10 mi) from Fermi 3, 2000 [EF3 COL 2.0-4-A]

| Cardinal Compass | Mile Range | | | | | | |
|--------------------------------|------------|------|------|------|------|--------|--|
| Direction | 0-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-10 | |
| NORTH | | 83 | 397 | 218 | 188 | 12,715 | |
| N-NE | | 124 | 46 | 26 | 71 | 7212 | |
| NE | . 121 | 282 | 204 | 0 | 0 | 0 | |
| E-NE | | 0 | 0 | 0 | 0 | 0 | |
| EAST | | 0 | 0 | 0 | 0 | 0 | |
| E-SE | | 0 | 0 | 0 | 0 | 0 | |
| SE | | 0 | 0 | 0 | 0 | 0 | |
| S-SE | | 0 | 0 | 0 | 0 | 0 | |
| SOUTH | | 1154 | 0 | 0 | 0 | 0 | |
| S-SW | | 259 | 0 | 0 | 0 | 0 | |
| SW | | 280 | 0 | 106 | 162 | 1609 | |
| W-SW | | 115 | 1279 | 2426 | 1341 | 35,180 | |
| WEST | • | 185 | 213 | 219 | 518 | 4863 | |
| W-NW | • | 28 | 0 | 70 | 263 | 5066 | |
| NW | • | 195 | 392 | 203 | 776 | 5521 | |
| N-NW | • | 205 | 199 | 240 | 191 | 4253 | |
| Total Population Per Circle | 121 | 2910 | 2730 | 3508 | 3510 | 76,419 | |
| Total Population: All Segments | | | 89, | 198 | | | |

Table 2.1-203 Largest Population Areas within 16 km (10 mi) of the Fermi Site, [EF3 COL 2.0-4-A]

| Populated Place | 2000 Population | Approx. Distance from Fermi km (mi.) |
|-----------------|-----------------|---|
| Stony Point | 1775 | 2.1 (1.3) |
| Woodland Point | 2179 | 4.7 (2.9) |
| Detroit Point | 2289 | 6.4 (4.0) |
| Monroe | 32,339 | 8.9 (5.5) |
| Rockwood | 4726 | 12.2 (7.6) |
| Carleton | 2562 | 15.1 (9.4) |
| Flat Rock | 8488 | 15.3 (9.5) |
| Gibraltar | 4264 | 15.3 (9.5) |

Table 2.1-204 Segment Resident Population Distribution 0 to 80 km (50 mi) From the Proposed Fermi 3 Power Block, 2000 [EF3 COL 2.0-4-A]

| Cardinal Compass | Population in Mile Range from the Proposed 3 Power Block | | | | | | |
|--------------------------------|--|---------|-----------|-----------|-----------|--|--|
| Direction | 0-10 | 10-20 | 20-30 | 30-40 | 40-50 | | |
| NORTH | | 121,416 | 453,510 | 571,939 | 365,114 | | |
| N-NE | | 107,027 | 354,880 | 725,303 | 453,907 | | |
| NE | | 15,533 | 123,981 | 36,136 | 5371 | | |
| E-NE | | 10,242 | 17,807 | 22,751 | 19,742 | | |
| EAST | | 2220 | 4917 | 11,590 | 2351 | | |
| E-SE | | 0 | 0 | 256 | 0 | | |
| SE | | 0 | 67 | 8110 | 43,157 | | |
| S-SE | 90 109 | 0 | 1540 | 17,199 | 28,286 | | |
| SOUTH | 89,198 | 0 | 7621 | 14,145 | 27,723 | | |
| S-SW | | 3547 | 112,020 | 36,023 | 40,991 | | |
| SW | | 12,453 | 265,684 | 111,951 | 28,032 | | |
| W-SW | | 8945 | 10,475 | 10,573 | 8240 | | |
| WEST | | 6730 | 8705 | 37,023 | 30,762 | | |
| W-NW | | 5732 | 20,446 | 19,167 | 16,759 | | |
| NW | | 17,938 | 122,093 | 138,391 | 67,173 | | |
| N-NW | | 24,388 | 221,758 | 179,240 | 149,989 | | |
| Total Population Per Circle | 89,198 | 336,170 | 1,725,503 | 1,939,797 | 1,287,597 | | |
| Total Population: All Segments | | | 5,378,266 | | | | |

Table 2.1-205 Resident and Transient Population and Density, 0-10 mi Concentric Circles from the Fermi Site, 2000 [EF3 COL 2.0-4-A]

| | Population | | | Area | Population Density |
|------------------------|------------|-----------|-----------|-----------|--------------------|
| Concentric Circle | Resident | Transient | Total | (Sq. Mi.) | (Persons/Sq. Mi.) |
| 0 – 1 mi | 121 | 449 | 570 | 3.1 | 181 |
| 1 – 2 mi | 2910 | 14 | 2924 | 9.4 | 310 |
| 2 – 3 mi | 2730 | 30 | 2760 | 15.7 | 176 |
| 3 – 4 mi | 3508 | 226 | 3734 | 22.0 | 170 |
| 4 – 5 mi | 3510 | 2153 | 5663 | 28.3 | 200 |
| 5 - 10 mi | 76,419 | 14,666 | 91,085 | 235.6 | 387 |
| 0 - 10 mi | 89,198 | 17,538 | 106,736 | 314.2 | 340 |
| Michigan (Resident) | | | 9,938,444 | 56,804 | 175 |

Table 2.1-206 Resident and Transient Population and Density by Concentric Circle, 2000 [EF3 COL 2.0-4-A]

| | Population | | | | Population Density |
|-------------------|------------|-----------|------------|----------------|--------------------|
| Concentric Circle | Resident | Transient | Total | Area (Sq. Mi.) | (Persons/Sq. Mi.) |
| 0 - 10 mi | 89,198 | 17,538 | 106,736 | 314 | 340 |
| 10 - 20 mi | 336,170 | 10,906 | 347,076 | 942 | 368 |
| 20 - 30 mi | 1,725,503 | 44,433 | 1,769,936 | 1,571 | 1,127 |
| 30 - 40 mi | 1,939,797 | 70,601 | 2,010,398 | 2,199 | 914 |
| 40 - 50 mi | 1,287,597 | 57,178 | 1,344,775 | 2,827 | 476 |
| 0 - 50 mi | 5,378,266 | 200,656 | 5,578,922 | 7,854 | 710 |
| Michigan | | | 9,938,444 | 56,804 | 175 |
| Ohio | | | 11,353,140 | 40,948 | 277 |

Table 2.1-207 Commuter Information for the 80 km (50 mi) Region, 2000 [EF3 COL 2.0-4-A]

| County | Inflow | Outflow | Net flow |
|-------------------|---------|---------|----------|
| Jackson Co. MI | 9899 | 16,929 | -7030 |
| Lenawee Co. MI | 6160 | 14,759 | -8599 |
| Livingston Co. MI | 20,093 | 45,884 | -25,791 |
| Macomb Co. MI | 116,045 | 158,944 | -42,899 |
| Monroe Co. MI | 12,886 | 33,633 | -20,747 |
| Oakland Co. MI | 287,517 | 174,731 | 112,786 |
| St. Clair Co. MI | 8203 | 28,113 | -19,910 |
| Washtenaw Co. MI | 69,192 | 39,361 | 29,831 |
| Wayne Co. MI | 226,899 | 208,906 | 17,993 |
| Erie Co. OH | 9680 | 9366 | 314 |
| Fulton Co. OH | 8676 | 8124 | 552 |
| Henry Co. OH | 3151 | 5977 | -2826 |
| Lucas Co. OH | 49,919 | 32,211 | 17,708 |
| Ottawa Co. OH | 4175 | 8510 | -4335 |
| Sandusky Co. OH | 7452 | 9335 | -1883 |
| Seneca Co. OH | 5388 | 10,504 | -5116 |
| Wood Co. OH | 26,509 | 27,099 | -590 |
| Totals | 871,844 | 832,386 | 39,458 |

Table 2.1-208 Special Facilities Transient Population Data for the Regional [EF3 COL 2.0-4-A]

Number of People Living in:

| County | State Prisons/Local Jails ¹ | College Dormitories* | Nursing Homes | Hospitals or Wards ² | Religious Group Quarters ³ | Other non- household living situations ⁴ |
|-----------------|--|-------------------------|------------------|------------------------------------|---|--|
| Jackson (MI) | 7327 | 761 | 1139 | 153 | 253 | 405 |
| Lenawee (MI) | 2597 | 1005 | 543 | 299 | 602 | 131 |
| Livingston (MI) | 423 | 3 | 212 | 119 | 330 | 178 |
| Macomb (MI) | 2513 | | 3935 | 502 | 167 | 1177 |
| Monroe (MI) | 300 | | 507 | 73 | 301 | 329 |
| Oakland (MI) | 2571 | 1837 | 4327 | 1753 | 1483 | 1773 |
| St. Clair (MI) | 274 | | 605 | 152 | 448 | 174 |
| Washtenaw (MI) | 3318 | 14898 | 1244 | 1194 | 222 | 453 |
| Wayne (MI) | 7783 | 1254 | 10,061 | 4661 | 1493 | 6726 |
| Erie (OH) | 108 | | 1443 | 37 | 223 | 175 |
| Fulton (OH) | 5 | | 372 | 17 | 27 | 13 |
| Henry (OH) | 180 | | 294 | 31 | | 74 |
| Lucas (OH) | 591 | 2505 | 3663 | 628 | 414 | 871 |
| Ottawa (OH) | 72 | | 382 | 137 | 32 | 2 |
| Sandusky (OH) | 99 | | 621 | 101 | 69 | 105 |
| Seneca (OH) | 8 | 751 | 369 | 195 | 311 | 19 |
| Wood (OH) | 232 | 6377 | 777 | 87 | 88 | 144 |
| Total: | 28,401 | 29,391 | 30,494 | 10,139 | 6,463 | 12,749 |
| | | | | | | |

Notes:

- Includes college quarters off campus
- 1. Includes local jails (including police lockups), halfway houses, state prisons, juvenile institutions (including short-term care, detention or diagnostic centers), other correctional institutions, federal prisons, military disciplinary barracks
- 2. Includes homes for the mentally/physically handicapped/ill, hospitals/wards and hospices for chronically ill, orthopedic wards, institutions for the deaf or blind, patients who have no usual home elsewhere
- 3. Includes workers' dormitories, agriculture workers' dormitories on farms, other group homes
- 4. Includes other noninstitutional group quarters, job corps and vocational training facilities

Table 2.1-209 Michigan and Ohio Regional County Populations and Average Annual Growth Rates [EF3 COL 2.0-4-A]

| | Historical ar | Historical and Estimated Population | | | Annual Gro | wth Rate |
|-----------------------|---------------|-------------------------------------|------------|---------|------------|----------|
| County | 1990 | 2000 | 1-Jul-05 | '90-'00 | 00-'05 | '90-'05 |
| Michigan | 9,295,297 | 9,938,444 | 10,100,833 | 0.67% | 0.32% | 0.56% |
| Jackson County | 149,756 | 158,422 | 163,432 | 0.56% | 0.62% | 0.58% |
| Lenawee County | 91,476 | 98,890 | 101,778 | 0.78% | 0.58% | 0.71% |
| Livingston County | 115,645 | 156,951 | 181,404 | 3.10% | 2.94% | 3.05% |
| Macomb County | 717,400 | 788,149 | 828,950 | 0.94% | 1.01% | 0.97% |
| Monroe County | 133,600 | 145,945 | 153,772 | 0.89% | 1.05% | 0.94% |
| Oakland County | 1,083,592 | 1,194,156 | 1,213,669 | 0.98% | 0.32% | 0.76% |
| St. Clair County | 145,607 | 164,235 | 171,079 | 1.21% | 0.82% | 1.08% |
| Washtenaw County | 282,937 | 322,895 | 342,124 | 1.33% | 1.16% | 1.27% |
| Wayne County | 2,111,687 | 2,061,162 | 1,990,932 | -0.24% | -0.69% | -0.39% |
| Ohio | 10,847,115 | 11,353,140 | 11,470,685 | 0.46% | 0.21% | 0.37% |
| Erie County, OH | 76,779 | 79,551 | 78,374 | 0.36% | -0.30% | 0.14% |
| Fulton County, OH | 38,498 | 42,084 | 42,888 | 0.89% | 0.38% | 0.72% |
| Henry County, OH | 29,108 | 29,210 | 29,431 | 0.03% | 0.15% | 0.07% |
| Lucas County, OH | 462,361 | 455,054 | 447,410 | -0.16% | -0.34% | -0.22% |
| Ottawa County, OH | 40,029 | 40,985 | 41,430 | 0.24% | 0.22% | 0.23% |
| Sandusky County, OH | 61,963 | 61,792 | 61,279 | -0.03% | -0.17% | -0.07% |
| Seneca County, OH | 59,733 | 58,683 | 57,373 | -0.18% | -0.45% | -0.27% |
| Wood County, OH | 113,269 | 121,065 | 123,889 | 0.67% | 0.46% | 0.60% |
| All Regional Counties | 5,713,440 | 5,979,229 | 6,029,214 | 0.46% | 0.17% | 0.36% |

Table 2.1-210 0 to 16 km (10 mi) Resident and Transient Historical Population and Population Projections, 2000, 2008, 2013, 2018, and 2020-2060 (Sheet 1 of 6) [EF3 COL 2.0-4-A]

| Year | Population in the 0-1 mi Range | |
|------|--------------------------------|--|
| 2000 | 570 | |
| 2008 | 1163 | |
| 2013 | 1159 | |
| 2018 | 1155 | |
| 2020 | 1153 | |
| 2030 | 1144 | |
| 2040 | 1133 | |
| 2050 | 1122 | |
| 2060 | 1109 | |

| Cardinal Compass | | Population in Mile Range | | | | | | | | |
|------------------|------|--------------------------|-----|-----|------|--------|--------|--|--|--|
| Direction | Year | 1-2 | 2-3 | 3-4 | 4-5 | 5-10 | Total | | | |
| | 2000 | 83 | 397 | 218 | 188 | 14,146 | 15,032 | | | |
| | 2008 | 89 | 427 | 234 | 202 | 14,505 | 15,457 | | | |
| | 2013 | 93 | 448 | 246 | 212 | 14,734 | 15,733 | | | |
| | 2018 | 98 | 469 | 258 | 222 | 14,967 | 16,014 | | | |
| NORTH | 2020 | 100 | 478 | 262 | 226 | 15,061 | 16,127 | | | |
| | 2030 | 109 | 525 | 288 | 249 | 15,541 | 16,712 | | | |
| | 2040 | 120 | 577 | 317 | 273 | 16,036 | 17,323 | | | |
| | 2050 | 132 | 634 | 348 | 300 | 16,547 | 17,961 | | | |
| | 2060 | 145 | 696 | 382 | 329 | 17,074 | 18,626 | | | |
| | 2000 | 124 | 46 | 26 | 2071 | 9912 | 12,179 | | | |
| | 2008 | 133 | 49 | 28 | 2232 | 9834 | 12,276 | | | |
| | 2013 | 140 | 51 | 29 | 2339 | 9786 | 12,345 | | | |
| | 2018 | 146 | 54 | 30 | 2451 | 9738 | 12,419 | | | |
| N-NE | 2020 | 149 | 55 | 31 | 2498 | 9718 | 12,451 | | | |
| | 2030 | 164 | 60 | 34 | 2743 | 9623 | 12,624 | | | |
| | 2040 | 180 | 66 | 37 | 3013 | 9529 | 12,825 | | | |
| | 2050 | 198 | 73 | 41 | 3309 | 9436 | 13,057 | | | |
| | 2060 | 217 | 80 | 45 | 3634 | 9343 | 13,319 | | | |

Table 2.1-210 0 to 16 km (10 mi) Resident and Transient Historical Population and Population Projections, 2000, 2008, 2013, 2018, and 2020-2060 (Sheet 2 of 6) [EF3 COL 2.0-4-A]

| Cardinal Compass | Population in Mile Range | | | | | | | | |
|------------------|--------------------------|-----|-----|-----|-----|------|-------|--|--|
| Direction | Year | 1-2 | 2-3 | 3-4 | 4-5 | 5-10 | Total | | |
| | 2000 | 282 | 204 | 0 | 0 | 0 | 486 | | |
| | 2008 | 303 | 219 | 0 | 0 | 0 | 522 | | |
| | 2013 | 318 | 230 | 0 | 0 | 0 | 548 | | |
| | 2018 | 333 | 241 | 0 | 0 | 0 | 574 | | |
| NE | 2020 | 340 | 246 | 0 | 0 | 0 | 586 | | |
| | 2030 | 373 | 270 | 0 | 0 | 0 | 643 | | |
| | 2040 | 410 | 296 | 0 | 0 | 0 | 706 | | |
| | 2050 | 450 | 325 | 0 | 0 | 0 | 775 | | |
| | 2060 | 494 | 358 | 0 | 0 | 0 | 852 | | |
| | 2000 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2008 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2013 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2018 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| E-NE | 2020 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2030 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2040 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2050 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2060 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2000 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2008 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2013 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2018 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| EAST | 2020 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2030 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2040 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2050 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 2060 | 0 | 0 | 0 | 0 | 0 | 0 | | |

Table 2.1-210 0 to 16 km (10 mi) Resident and Transient Historical Population and Population Projections, 2000, 2008, 2013, 2018, and 2020-2060 (Sheet 3 of 6) [EF3 COL 2.0-4-A]

| Cardinal Compass | Population in Mile Range | | | | | | | |
|------------------|--------------------------|-----|-----|-----|-----|------|-------|--|
| Direction | Year | 1-2 | 2-3 | 3-4 | 4-5 | 5-10 | Total | |
| | 2000 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2008 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2013 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2018 | 0 | 0 | 0 | 0 | 0 | 0 | |
| E-SE | 2020 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2030 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2040 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2050 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2060 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2000 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2008 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2013 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2018 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SE | 2020 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2030 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2040 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2050 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2060 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2000 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2008 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2013 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2018 | 0 | 0 | 0 | 0 | 0 | 0 | |
| S-SE | 2020 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2030 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2040 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2050 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2060 | 0 | 0 | 0 | 0 | 0 | 0 | |

Table 2.1-210 0 to 16 km (10 mi) Resident and Transient Historical Population and Population Projections, 2000, 2008, 2013, 2018, and 2020-2060 (Sheet 4 of 6) [EF3 COL 2.0-4-A]

| Cardinal Compass | Population in Mile Range | | | | | | | | |
|------------------|--------------------------|-------|-----|-----|-----|--------|--------|--|--|
| Direction | Year | 1-2 | 2-3 | 3-4 | 4-5 | 5-10 | Total | | |
| | 2000 | 1,154 | 0 | 0 | 0 | 0 | 1154 | | |
| | 2008 | 1,243 | 0 | 0 | 0 | 0 | 1243 | | |
| | 2013 | 1,303 | 0 | 0 | 0 | 0 | 1303 | | |
| | 2018 | 1,366 | 0 | 0 | 0 | 0 | 1366 | | |
| SOUTH | 2020 | 1,391 | 0 | 0 | 0 | 0 | 1391 | | |
| | 2030 | 1,528 | 0 | 0 | 0 | 0 | 1528 | | |
| | 2040 | 1,679 | 0 | 0 | 0 | 0 | 1679 | | |
| | 2050 | 1,844 | 0 | 0 | 0 | 0 | 1844 | | |
| | 2060 | 2,025 | 0 | 0 | 0 | 0 | 2025 | | |
| | 2000 | 259 | 0 | 0 | 0 | 0 | 259 | | |
| | 2008 | 279 | 0 | 0 | 0 | 0 | 279 | | |
| | 2013 | 292 | 0 | 0 | 0 | 0 | 292 | | |
| | 2018 | 306 | 0 | 0 | 0 | 0 | 306 | | |
| S-SW | 2020 | 312 | 0 | 0 | 0 | 0 | 312 | | |
| | 2030 | 343 | 0 | 0 | 0 | 0 | 343 | | |
| | 2040 | 376 | 0 | 0 | 0 | 0 | 376 | | |
| | 2050 | 413 | 0 | 0 | 0 | 0 | 413 | | |
| | 2060 | 454 | 0 | 0 | 0 | 0 | 454 | | |
| | 2000 | 280 | 0 | 106 | 162 | 8526 | 9074 | | |
| | 2008 | 301 | 0 | 114 | 174 | 9190 | 9779 | | |
| | 2013 | 316 | 0 | 119 | 182 | 9631 | 10,248 | | |
| | 2018 | 331 | 0 | 125 | 191 | 10,093 | 10,740 | | |
| SW | 2020 | 337 | 0 | 127 | 195 | 10,284 | 10,943 | | |
| | 2030 | 370 | 0 | 140 | 214 | 11,295 | 12,019 | | |
| | 2040 | 407 | 0 | 154 | 235 | 12,405 | 13,201 | | |
| | 2050 | 447 | 0 | 169 | 258 | 13,624 | 14,498 | | |
| | 2060 | 491 | 0 | 186 | 284 | 14,963 | 15,924 | | |

Table 2.1-210 0 to 16 km (10 mi) Resident and Transient Historical Population and Population Projections, 2000, 2008, 2013, 2018, and 2020-2060 (Sheet 5 of 6) [EF3 COL 2.0-4-A]

| Cardinal Compass | Population in Mile Range | | | | | | | | |
|------------------|--------------------------|-----|------|------|------|--------|--------|--|--|
| Direction | Year | 1-2 | 2-3 | 3-4 | 4-5 | 5-10 | Total | | |
| | 2000 | 115 | 1309 | 2426 | 1458 | 38,357 | 43,665 | | |
| | 2008 | 123 | 1410 | 2614 | 1571 | 41,344 | 47,062 | | |
| | 2013 | 129 | 1478 | 2740 | 1646 | 43,328 | 49,321 | | |
| | 2018 | 136 | 1549 | 2871 | 1726 | 45,407 | 51,689 | | |
| W-SW | 2020 | 138 | 1578 | 2926 | 1758 | 46,267 | 52,667 | | |
| | 2030 | 152 | 1734 | 3213 | 1931 | 50,814 | 57,844 | | |
| | 2040 | 167 | 1904 | 3529 | 2121 | 55,808 | 63,529 | | |
| | 2050 | 183 | 2091 | 3876 | 2329 | 61,293 | 69,772 | | |
| | 2060 | 201 | 2297 | 4257 | 2558 | 67,317 | 76,630 | | |
| | 2000 | 185 | 213 | 219 | 554 | 5003 | 6174 | | |
| | 2008 | 199 | 229 | 236 | 597 | 5392 | 6653 | | |
| | 2013 | 208 | 240 | 247 | 625 | 5651 | 697 | | |
| | 2018 | 219 | 252 | 259 | 655 | 5922 | 7307 | | |
| WEST | 2020 | 223 | 256 | 264 | 668 | 6034 | 7445 | | |
| | 2030 | 245 | 282 | 290 | 733 | 6627 | 8177 | | |
| | 2040 | 269 | 309 | 318 | 806 | 7279 | 8981 | | |
| | 2050 | 295 | 340 | 349 | 885 | 7994 | 9863 | | |
| | 2060 | 324 | 373 | 384 | 972 | 8780 | 10,833 | | |
| | 2000 | 28 | 0 | 70 | 263 | 5066 | 5427 | | |
| | 2008 | 30 | 0 | 75 | 283 | 5460 | 5848 | | |
| | 2013 | 31 | 0 | 79 | 297 | 5722 | 6129 | | |
| | 2018 | 33 | 0 | 82 | 311 | 5997 | 6423 | | |
| W-NW | 2020 | 33 | 0 | 84 | 317 | 6110 | 6544 | | |
| | 2030 | 37 | 0 | 92 | 348 | 6711 | 7188 | | |
| | 2040 | 40 | 0 | 101 | 382 | 7370 | 7893 | | |
| | 2050 | 44 | 0 | 111 | 420 | 8095 | 8670 | | |
| | 2060 | 49 | 0 | 122 | 461 | 8890 | 9522 | | |

Table 2.1-210 0 to 16 km (10 mi) Resident and Transient Historical Population and Population Projections, 2000, 2008, 2013, 2018, and 2020-2060 (Sheet 6 of 6) [EF3 COL 2.0-4-A]

| Cardinal Compass | Population in Mile Range | | | | | | | | |
|------------------|--------------------------|-----|-----|-----|-------|--------|--------|--|--|
| Direction | Year | 1-2 | 2-3 | 3-4 | 4-5 | 5-10 | Total | | |
| | 2000 | 195 | 392 | 379 | 776 | 5802 | 7544 | | |
| | 2008 | 210 | 422 | 408 | 836 | 6253 | 8129 | | |
| | 2013 | 220 | 442 | 428 | 876 | 6553 | 8519 | | |
| | 2018 | 230 | 464 | 448 | 918 | 6868 | 8928 | | |
| NW | 2020 | 235 | 472 | 457 | 936 | 6998 | 9098 | | |
| | 2030 | 258 | 519 | 502 | 1028 | 7686 | 9993 | | |
| | 2040 | 283 | 570 | 551 | 1129 | 8441 | 10,974 | | |
| | 2050 | 311 | 626 | 605 | 1240 | 9271 | 12,053 | | |
| | 2060 | 342 | 687 | 665 | 1,361 | 10,182 | 13,237 | | |
| | 2000 | 219 | 199 | 290 | 191 | 4273 | 5172 | | |
| | 2008 | 236 | 214 | 312 | 205 | 4450 | 5417 | | |
| | 2013 | 247 | 224 | 327 | 215 | 4565 | 5578 | | |
| | 2018 | 259 | 235 | 343 | 226 | 4683 | 5746 | | |
| N-NW | 2020 | 264 | 240 | 349 | 230 | 4731 | 5814 | | |
| | 2030 | 290 | 263 | 384 | 253 | 4978 | 6168 | | |
| | 2040 | 318 | 289 | 421 | 277 | 5239 | 6544 | | |
| | 2050 | 349 | 317 | 463 | 305 | 5513 | 6947 | | |
| | 2060 | 384 | 349 | 508 | 335 | 5801 | 7377 | | |

Table 2.1-211 Canadian Population and Average Annual Growth Rates [EF3 COL 2.0-4-A]

| | Histo | orical Populati | Average Annual Growth Rate | | | |
|-------------------|------------|-----------------|----------------------------|---------|---------|---------|
| Canadian Counties | 1996 | 2001 | 2006 | '96-'01 | '01-'06 | '96-'06 |
| Ontario | 10,753,573 | 11,410,046 | 12,160,282 | 1.19% | 1.28% | 1.24% |
| Amherstburg | 19,273 | 20,339 | 21,748 | 1.08% | 1.35% | 1.22% |
| Chatham-Kent | 109,350 | 107,341 | 108,177 | -0.37% | 0.16% | -0.11% |
| Essex | 19,437 | 20,085 | 20,032 | 0.66% | -0.05% | 0.30% |
| Kingsville | 18,409 | 19,619 | 20,908 | 1.28% | 1.28% | 1.28% |
| Lakeshore | 26,127 | 28,746 | 33,245 | 1.93% | 2.95% | 2.44% |
| LaSalle | 20,556 | 25,285 | 27,652 | 4.23% | 1.81% | 3.01% |
| Leamington | 25,389 | 27,138 | 28,833 | 1.34% | 1.22% | 1.28% |
| Pelee | 283 | 256 | 287 | -1.99% | 2.31% | 0.14% |
| Tecumseh | 23,151 | 25,105 | 24,224 | 1.63% | -0.71% | 0.45% |
| Walpole Island 46 | 1,525 | 1,843 | 1,878 | 3.86% | 0.38% | 2.10% |
| Windsor | 197,694 | 208,402 | 216,473 | 1.06% | 0.76% | 0.91% |
| All Subdivision | 461,194 | 484,159 | 503,457 | 0.98% | 0.78% | 0.88% |

Table 2.1-212

16 km (10 mi) to 80 km (50 mi) Resident and Transient
Population, 2000, 2008, 2013, 2018, and 2020 to 2060
(Sheet 1 of 4)

[EF3 COL 2.0-4-A]

| 2000 126,286 461,805 589,430 391,250 2008 122,381 447,527 608,376 415,635 2013 120,002 438,828 620,526 431,642 2018 117,670 430,299 632,918 448,265 NORTH 2020 116,750 426,934 637,944 455,093 2030 112,255 410,499 663,679 490,821 2040 107,934 394,696 690,452 529,354 2050 103,779 379,502 718,305 570,912 2060 99,784 364,893 747,281 615,732 2000 110,927 363,265 731,939 446,579 2008 112,409 372,223 739,588 481,669 2013 113,346 377,934 744,410 504,987 2018 114,290 383,733 749,263 529,434 N-NE 2020 114,670 386,077 751,213 539,541 2030 116,589 398,015 761,040 593,044 2040 118,540 410,323 770,996 651,854 2050 120,523 423,010 781,081 716,495 | Total 10-50) |
|---|-----------------|
| 2008 122,381 447,527 608,376 415,635 2013 120,002 438,828 620,526 431,642 2018 117,670 430,299 632,918 448,265 NORTH 2020 116,750 426,934 637,944 455,093 2030 112,255 410,499 663,679 490,821 2040 107,934 394,696 690,452 529,354 2050 103,779 379,502 718,305 570,912 2060 99,784 364,893 747,281 615,732 2000 110,927 363,265 731,939 446,579 2008 112,409 372,223 739,588 481,669 2013 113,346 377,934 744,410 504,987 2018 114,290 383,733 749,263 529,434 N-NE 2020 114,670 386,077 751,213 539,541 2030 116,589 398,015 761,040 593,044 2040 118,540 410,323 770,996 651,854 2050 122,540 436,091 791,299 787,547 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,568,771 |
| NORTH 2020 116,750 426,934 637,944 455,093 2030 112,255 410,499 663,679 490,821 2040 107,934 394,696 690,452 529,354 2050 103,779 379,502 718,305 570,912 2060 99,784 364,893 747,281 615,732 2000 110,927 363,265 731,939 446,579 2008 112,409 372,223 739,588 481,669 2013 113,346 377,934 744,410 504,987 2018 114,290 383,733 749,263 529,434 2040 118,540 410,323 770,996 651,854 2050 122,540 436,091 791,299 787,547 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 2018 201,32 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,593,919 |
| NORTH 2020 116,750 426,934 637,944 455,093 2030 112,255 410,499 663,679 490,821 2040 107,934 394,696 690,452 529,354 2050 103,779 379,502 718,305 570,912 2060 99,784 364,893 747,281 615,732 2000 110,927 363,265 731,939 446,579 2008 112,409 372,223 739,588 481,669 2013 113,346 377,934 744,410 504,987 2018 114,290 383,733 749,263 529,434 2030 116,589 398,015 761,040 593,044 2040 118,540 410,323 770,996 651,854 2050 120,523 423,010 781,081 716,495 2060 122,540 436,091 791,299 787,547 2000 16,227 128,415 37,448 5553 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,610,998 |
| 2030 112,255 410,499 663,679 490,821 2040 107,934 394,696 690,452 529,354 2050 103,779 379,502 718,305 570,912 2060 99,784 364,893 747,281 615,732 2000 110,927 363,265 731,939 446,579 2008 112,409 372,223 739,588 481,669 2013 113,346 377,934 744,410 504,987 2018 114,290 383,733 749,263 529,434 2030 116,589 398,015 761,040 593,044 2040 118,540 410,323 770,996 651,854 2050 120,523 423,010 781,081 716,495 2060 122,540 436,091 791,299 787,547 2000 16,227 128,415 37,448 5553 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,629,152 |
| 2040 107,934 394,696 690,452 529,354 2050 103,779 379,502 718,305 570,912 2060 99,784 364,893 747,281 615,732 2000 110,927 363,265 731,939 446,579 2008 112,409 372,223 739,588 481,669 2013 113,346 377,934 744,410 504,987 2018 114,290 383,733 749,263 529,434 N-NE 2020 114,670 386,077 751,213 539,541 2030 116,589 398,015 761,040 593,044 2040 118,540 410,323 770,996 651,854 2050 120,523 423,010 781,081 716,495 2060 122,540 436,091 791,299 787,547 2000 16,227 128,415 37,448 5553 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,636,721 |
| 2050 103,779 379,502 718,305 570,912 2060 99,784 364,893 747,281 615,732 2000 110,927 363,265 731,939 446,579 2008 112,409 372,223 739,588 481,669 2013 113,346 377,934 744,410 504,987 2018 114,290 383,733 749,263 529,434 2030 116,589 398,015 761,040 593,044 2040 118,540 410,323 770,996 651,854 2050 122,540 436,091 791,299 787,547 2000 16,227 128,415 37,448 5553 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,677,254 |
| 2060 99,784 364,893 747,281 615,732 2000 110,927 363,265 731,939 446,579 2008 112,409 372,223 739,588 481,669 2013 113,346 377,934 744,410 504,987 2018 114,290 383,733 749,263 529,434 N-NE 2020 114,670 386,077 751,213 539,541 2030 116,589 398,015 761,040 593,044 2040 118,540 410,323 770,996 651,854 2050 120,523 423,010 781,081 716,495 2060 122,540 436,091 791,299 787,547 2000 16,227 128,415 37,448 5553 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,722,436 |
| 2000 110,927 363,265 731,939 446,579 2008 112,409 372,223 739,588 481,669 2013 113,346 377,934 744,410 504,987 2018 114,290 383,733 749,263 529,434 N-NE 2020 114,670 386,077 751,213 539,541 2030 116,589 398,015 761,040 593,044 2040 118,540 410,323 770,996 651,854 2050 120,523 423,010 781,081 716,495 2060 122,540 436,091 791,299 787,547 2000 16,227 128,415 37,448 5553 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,772,498 |
| 2008 112,409 372,223 739,588 481,669 2013 113,346 377,934 744,410 504,987 2018 114,290 383,733 749,263 529,434 N-NE 2020 114,670 386,077 751,213 539,541 2030 116,589 398,015 761,040 593,044 2040 118,540 410,323 770,996 651,854 2050 120,523 423,010 781,081 716,495 2060 122,540 436,091 791,299 787,547 2000 16,227 128,415 37,448 5553 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,827,690 |
| N-NE 2020 114,670 383,733 749,263 529,434 2030 116,589 398,015 761,040 593,044 2040 118,540 410,323 770,996 651,854 2060 122,540 436,091 791,299 787,547 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,652,710 |
| N-NE 2020 114,670 383,733 749,263 529,434 2030 116,589 398,015 761,040 593,044 2040 118,540 410,323 770,996 651,854 2050 120,523 423,010 781,081 716,495 2060 122,540 436,091 791,299 787,547 2000 16,227 128,415 37,448 5553 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,705,889 |
| N-NE 2020 114,670 386,077 751,213 539,541 2030 116,589 398,015 761,040 593,044 2040 118,540 410,323 770,996 651,854 2050 120,523 423,010 781,081 716,495 2060 122,540 436,091 791,299 787,547 2000 16,227 128,415 37,448 5553 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,740,677 |
| 2030 116,589 398,015 761,040 593,044 2040 118,540 410,323 770,996 651,854 2050 120,523 423,010 781,081 716,495 2060 122,540 436,091 791,299 787,547 2000 16,227 128,415 37,448 5553 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,776,720 |
| 2040 118,540 410,323 770,996 651,854 2050 120,523 423,010 781,081 716,495 2060 122,540 436,091 791,299 787,547 2000 16,227 128,415 37,448 5553 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,791,501 |
| 2050 120,523 423,010 781,081 716,495 2060 122,540 436,091 791,299 787,547 2000 16,227 128,415 37,448 5553 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,868,688 |
| 2060 122,540 436,091 791,299 787,547 2000 16,227 128,415 37,448 5553 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 1,951,713 |
| 2000 16,227 128,415 37,448 5553 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 2,041,109 |
| 2008 17,859 140,785 44,592 6,614 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 2,137,477 |
| 2013 18,961 149,115 49,734 7,378 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 187,643 |
| NE 2018 20,132 157,937 55,469 8,230 NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 209,850 |
| NE 2020 20,620 161,611 57,944 8,598 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 225,188 |
| 2030 23,245 181,300 72,077 10,699 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 241,768 |
| 2040 26,204 203,388 89,658 13,312 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 248,773 |
| 2050 29,539 228,167 111,527 16,565 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 287,321 |
| 2060 33,299 255,965 138,730 20,612 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 332,562 |
| 2000 10,608 18,443 23,564 20,448 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 385,798 |
| 2008 11,176 19,782 27,221 22,628 2013 11,547 20,668 29,789 24,108 | 448,606 |
| 2013 11,547 20,668 29,789 24,108 | 73,063 |
| | 80,807 |
| 2018 11,931 21,594 32,600 25,684 | 86,112 |
| | 91,809 |
| E-NE 2020 12,088 21,976 33,798 26,343 | 94,205 |
| 2030 12,904 23,989 40,477 29,901 | 107,271 |
| 2040 13,775 26,187 48,476 33,939 | 122,377 |
| 2050 14,705 28,586 58,056 38,523 | 139,870 |
| 2060 15,698 31,204 69,529 43,725 | 160,156 |

Table 2.1-212

16 km (10 mi) to 80 km (50 mi) Resident and Transient
Population, 2000, 2008, 2013, 2018, and 2020 to 2060
(Sheet 2 of 4)

[EF3 COL 2.0-4-A]

| Cardinal Compass Direction | Year | 10-20 | 20-30 | 30-40 | 40-50 | Total (10-50) |
|----------------------------|------|-------|-------|--------|--------|------------------|
| - | 2000 | 2299 | 5092 | 12,004 | 2435 | 21,830 |
| | 2008 | 2,354 | 5,485 | 13,290 | 2,592 | 23,721 |
| | 2013 | 2,390 | 5,747 | 14,163 | 2,695 | 24,995 |
| | 2018 | 2,426 | 6,021 | 15,093 | 2,803 | 26,343 |
| EAST | 2020 | 2,441 | 6,134 | 15,482 | 2,847 | 26,904 |
| | 2030 | 2,516 | 6,734 | 17,582 | 3,078 | 29,910 |
| | 2040 | 2,593 | 7,392 | 19,967 | 3,329 | 33,281 |
| | 2050 | 2,672 | 8,114 | 22,676 | 3,599 | 37,061 |
| | 2060 | 2,754 | 8,907 | 25,753 | 3,892 | 41,306 |
| | 2000 | 0 | 0 | 265 | 0 | 265 |
| | 2008 | 0 | 0 | 267 | 0 | 267 |
| | 2013 | 0 | 0 | 269 | 0 | 269 |
| | 2018 | 0 | 0 | 271 | 0 | 271 |
| E-SE | 2020 | 0 | 0 | 272 | 0 | 272 |
| | 2030 | 0 | 0 | 276 | 0 | 276 |
| | 2040 | 0 | 0 | 280 | 0 | 280 |
| | 2050 | 0 | 0 | 284 | 0 | 284 |
| | 2060 | 0 | 0 | 288 | 0 | 288 |
| | 2000 | 0 | 100 | 9884 | 43,966 | 53,950 |
| | 2008 | 0 | 101 | 10,055 | 44,528 | 54,684 |
| | 2013 | 0 | 103 | 10,163 | 44,883 | 55,149 |
| | 2018 | 0 | 104 | 10,273 | 45,242 | 55,619 |
| SE | 2020 | 0 | 104 | 10,317 | 45,386 | 55,807 |
| | 2030 | 0 | 107 | 10,542 | 46,113 | 56,762 |
| | 2040 | 0 | 109 | 10,770 | 46,852 | 57,731 |
| | 2050 | 0 | 112 | 11,004 | 47,602 | 58,718 |
| | 2060 | 0 | 114 | 11,243 | 48,365 | 59,722 |
| | 2000 | 0 | 1467 | 16,677 | 28,597 | 46,741 |
| | 2008 | 0 | 1494 | 16,883 | 28,585 | 46,962 |
| | 2013 | 0 | 1511 | 17,013 | 28,578 | 47,102 |
| | 2018 | 0 | 1528 | 17,144 | 28,571 | 47,243 |
| S-SE | 2020 | 0 | 1535 | 17,197 | 28,568 | 47,300 |
| | 2030 | 0 | 1571 | 17,463 | 28,553 | 47,587 |
| | 2040 | 0 | 1607 | 17,733 | 28,539 | 47,879 |
| | 2050 | 0 | 1645 | 18,007 | 28,524 | 48,176 |
| | 2060 | 0 | 1683 | 18,286 | 28,510 | 48,479 |

Table 2.1-212

16 km (10 mi) to 80 km (50 mi) Resident and Transient
Population, 2000, 2008, 2013, 2018, and 2020 to 2060
(Sheet 3 of 4)

[EF3 COL 2.0-4-A]

| Cardinal Compass Direction | Year | 10-20 | 20-30 | 30-40 | 40-50 | Total (10-50) |
|-------------------------------|------|--------|---------|---------|--------|------------------|
| | 2000 | 166 | 8116 | 13,136 | 27,293 | 48,711 |
| | 2008 | 163 | 8202 | 13,193 | 27,091 | 48,649 |
| | 2013 | 161 | 8256 | 13,228 | 26,967 | 48,612 |
| | 2018 | 159 | 8311 | 13,264 | 26,842 | 48,576 |
| SOUTH | 2020 | 158 | 8333 | 13,279 | 26,793 | 48,563 |
| | 2030 | 155 | 8444 | 13,351 | 26,546 | 48,496 |
| | 2040 | 152 | 8556 | 13,424 | 26,302 | 48,434 |
| | 2050 | 148 | 8670 | 13,497 | 26,060 | 48,375 |
| | 2060 | 145 | 8785 | 13,570 | 25,820 | 48,320 |
| | 2000 | 3789 | 115,973 | 37,284 | 42,979 | 200,025 |
| | 2008 | 3812 | 117,045 | 38,847 | 45,018 | 204,722 |
| | 2013 | 3826 | 117,721 | 39,858 | 46,341 | 207,746 |
| | 2018 | 3841 | 118,400 | 40,894 | 47,703 | 210,838 |
| S-SW | 2020 | 3847 | 118,673 | 41,316 | 48,259 | 212,095 |
| | 2030 | 3877 | 120,047 | 43,494 | 51,138 | 218,556 |
| | 2040 | 3907 | 121,436 | 45,786 | 54,188 | 225,317 |
| | 2050 | 3937 | 122,842 | 48,198 | 57,421 | 232,398 |
| | 2060 | 3967 | 124,264 | 50,738 | 60,846 | 239,815 |
| | 2000 | 10,965 | 270,798 | 121,157 | 33,280 | 436,200 |
| | 2008 | 11,788 | 272,133 | 120,372 | 34,105 | 438,398 |
| | 2013 | 12,334 | 272,970 | 119,884 | 34,632 | 439,820 |
| | 2018 | 12,905 | 273,811 | 119,399 | 35,167 | 441,282 |
| SW | 2020 | 13,141 | 274,148 | 119,205 | 35,383 | 441,877 |
| | 2030 | 14,387 | 275,838 | 118,241 | 36,484 | 444,950 |
| | 2040 | 15,750 | 277,539 | 117,285 | 37,619 | 448,193 |
| | 2050 | 17,243 | 279,251 | 116,337 | 38,790 | 451,621 |
| | 2060 | 18,877 | 280,973 | 115,396 | 39,997 | 455,243 |
| | 2000 | 6896 | 7699 | 12,189 | 8175 | 34,959 |
| | 2008 | 7433 | 8264 | 12,725 | 8657 | 37,079 |
| | 2013 | 7789 | 8638 | 13,073 | 8973 | 38,473 |
| | 2018 | 8163 | 9028 | 13,430 | 9300 | 39,921 |
| W-SW | 2020 | 8318 | 9190 | 13,575 | 9434 | 40,517 |
| | 2030 | 9135 | 10,040 | 14,327 | 10,135 | 43,637 |
| | 2040 | 10,033 | 10,970 | 15,120 | 10,888 | 47,011 |
| | 2050 | 11,019 | 11,985 | 15,957 | 11,696 | 50,657 |
| | 2060 | 12,102 | 13,095 | 16,840 | 12,565 | 54,602 |

Table 2.1-212

16 km (10 mi) to 80 km (50 mi) Resident and Transient
Population, 2000, 2008, 2013, 2018, and 2020 to 2060
(Sheet 4 of 4)

[EF3 COL 2.0-4-A]

| Cardinal Compass Direction | Year | 10-20 | 20-30 | 30-40 | 40-50 | Total (10-50) |
|----------------------------|------|--------|---------|---------|---------|------------------|
| | 2000 | 4676 | 6513 | 36,417 | 30,483 | 78,089 |
| | 2008 | 5040 | 6968 | 38,549 | 32,267 | 82,824 |
| | 2013 | 5282 | 7268 | 39,945 | 33,435 | 85,930 |
| | 2018 | 5535 | 7581 | 41,392 | 34,645 | 89,153 |
| WEST | 2020 | 5640 | 7711 | 41,985 | 35,141 | 90,477 |
| | 2030 | 6194 | 8390 | 45,081 | 37,731 | 97,396 |
| | 2040 | 6803 | 9,129 | 48,405 | 40,511 | 104,848 |
| | 2050 | 7472 | 9933 | 51,974 | 43,497 | 112,876 |
| | 2060 | 8206 | 10,808 | 55,807 | 46,702 | 121,523 |
| | 2000 | 4181 | 23,120 | 27,245 | 26,576 | 81,122 |
| | 2008 | 4515 | 25,232 | 29,915 | 29,019 | 88,681 |
| | 2013 | 4737 | 26,649 | 31,716 | 30,659 | 93,761 |
| | 2018 | 4970 | 28,146 | 33,624 | 32,392 | 99,132 |
| W-NW | 2020 | 5067 | 28,768 | 34,420 | 33,112 | 101,367 |
| | 2030 | 5578 | 32,090 | 38,688 | 36,960 | 113,316 |
| | 2040 | 6141 | 35,796 | 43,485 | 41,256 | 126,678 |
| | 2050 | 6760 | 39,930 | 48,877 | 46,051 | 141,618 |
| | 2060 | 7442 | 44,541 | 54,937 | 51,403 | 158,323 |
| | 2000 | 21,003 | 129,325 | 148,411 | 72,477 | 371,216 |
| | 2008 | 21,223 | 141,425 | 164,240 | 84,721 | 411,609 |
| | 2013 | 21,362 | 149,556 | 174,979 | 93,404 | 439,301 |
| | 2018 | 21,502 | 158,155 | 186,421 | 102,977 | 469,055 |
| NW | 2020 | 21,558 | 161,731 | 191,205 | 107,075 | 481,569 |
| | 2030 | 21,842 | 180,863 | 217,028 | 130,146 | 549,879 |
| | 2040 | 22,129 | 202,258 | 246,338 | 158,189 | 628,914 |
| | 2050 | 22,420 | 226,184 | 279,607 | 192,275 | 720,486 |
| | 2060 | 22,715 | 252,941 | 317,370 | 233,704 | 826,730 |
| | 2000 | 29,054 | 229,806 | 193,348 | 164,684 | 616,892 |
| | 2008 | 28,216 | 225,322 | 203,502 | 185,988 | 643,028 |
| | 2013 | 27,704 | 222,565 | 210,117 | 200,681 | 661,067 |
| | 2018 | 27,202 | 219,841 | 216,948 | 216,536 | 680,527 |
| N-NW | 2020 | 27,004 | 218,761 | 219,742 | 223,223 | 688,730 |
| | 2030 | 26,034 | 213,440 | 234,261 | 259,885 | 733,620 |
| | 2040 | 25,099 | 208,248 | 249,739 | 302,570 | 785,656 |
| | 2050 | 24,198 | 203,182 | 266,240 | 352,265 | 845,885 |
| | 2060 | 23,329 | 198,239 | 283,831 | 410,122 | 915,521 |

Table 2.1-213 Industrial Facilities within 5 mi of Fermi Site [EF3 COL 2.0-4-A]

| | Distance/ | | | # of |
|--|-------------|---------------------------------|---|-----------|
| Facility Name | Direction | Function | Products | Employees |
| Monroe Water Dept. Wilfred LaPage Water Pump | 0.9 mi S | Raw Water Pumping Station | Raw Drinking Water (shared intake w/Frenchtown TWP) | |
| Frenchtown Township Water Treatment Plant | 2.1 mi W-SW | Water Treatment Plant | Potable Water | 11 |
| Berlin Township Wastewater Treatment Plant | 2.1 mi N-NW | Wastewater Treatment Plant | Process sewage | 4 |
| StoneCo of Michigan, Newport Quarry | 3.4 mi N-NE | Quarry | Limestone, Dolomite | 7-10 |
| Rockwood Quarry, LLC | 3.6 mi N-NE | Quarry | Limestone | 25 |
| Meijer Distribution Inc. | 4 mi NW | Food/Clothing Distributor | General Warehousing & Storage | 300 |
| TWB Company, LLC | 4.5 mi W | Motor Vehicle Metal Stamping | Automotive Stampings | 250 - 303 |
| Rockwood Landfill | 4.5 mi NE | Landfill | | |

Source: Reference 2.1-216 through Reference 2.1-219

Table 2.1-214 Schools within 5 mi of Fermi Site

[EF3 COL 2.0-4-A]

| | | Students / Teachers |
|---------------------------------|----------------------|-------------------------|
| School | Distance / Direction | (2005-2006 School Year) |
| Hurd Road Elementary School | 5.0 mi SW | 388 / 22 |
| Jefferson Alternative Education | 2.8 mi WSW | 18 / NA |
| Jefferson High School | 2.8 mi WSW | 819 / 40 |
| Jefferson Middle School | 2.8 mi WSW | 368 / 19 |
| Sodt School | 3.1 mi WSW | 366 / 21 |
| Niedermeier Elementary School | 3.5 mi NW | 337 / 17 |
| North Elementary School | 2.6 mi N | 434 / 22 |
| St. Charles Elementary School | 2.7 mi NNW | 211 / 9 |

Table 2.1-215Current and Projected Population Data for the LPZ[EF3 COL 2.0-4-A]

| | Area | | 2000 | | 2020 | | 2060 | | |
|--------|-----------|-----------|-----------|-------|---------|-------|---------|-------|---------|
| | (sq. mi.) | Permanent | Transient | Total | Density | Total | Density | Total | Density |
| 0-1 mi | 3.14 | 121 | 449 | 570 | 181 | 1,159 | 369 | 1,133 | 361 |
| 1-2 mi | 9.42 | 2,910 | 14 | 2,924 | 310 | 3,297 | 350 | 4,249 | 451 |
| 2-3 mi | 15.71 | 2,730 | 30 | 2,760 | 176 | 3,113 | 198 | 4,011 | 255 |
| 0-3 mi | 28.27 | 5,761 | 493 | 6,254 | 221 | 7,569 | 268 | 9,393 | 332 |

Source: Reference 2.1-209, Reference 2.1-215

Table 2.1-216 2013 Population Density by Concentric Circle [EF3 COL 2.0-4-A]

| Concentric Circle | Permanent and Transient Population | Area (Sq. Mi.) | Population Density |
|-------------------|------------------------------------|----------------|--------------------|
| 0 - 5 mi | 18,176 | 79 | 231 |
| 0 - 10 mi | 118,146 | 314 | 376 |
| 0 - 20 mi | 467,587 | 1257 | 372 |
| 0 - 30 mi | 2,275,116 | 2827 | 805 |
| 0 - 40 mi | 4,403,983 | 5027 | 876 |
| 0 - 50 mi | 5,923,346 | 7854 | 754 |

Table 2.1-217 2018 Population Density by Concentric Circle [EF3 COL 2.0-4-A]

| Concentric Circle | Permanent and Transient Population | Area (Sq. Mi.) | Population Density |
|-------------------|------------------------------------|----------------|--------------------|
| 0 - 5 mi | 18,992 | 79 | 242 |
| 0 - 10 mi | 122,667 | 314 | 390 |
| 0 - 20 mi | 473,393 | 1257 | 377 |
| 0 - 30 mi | 2,297,882 | 2827 | 813 |
| 0 - 40 mi | 4,476,285 | 5027 | 891 |
| 0 - 50 mi | 6,070,076 | 7854 | 773 |

Figure 2.1-201 Site Location and Vicinity Within 80 km (50 Mi) [EF3 COL 2.0-2-A]

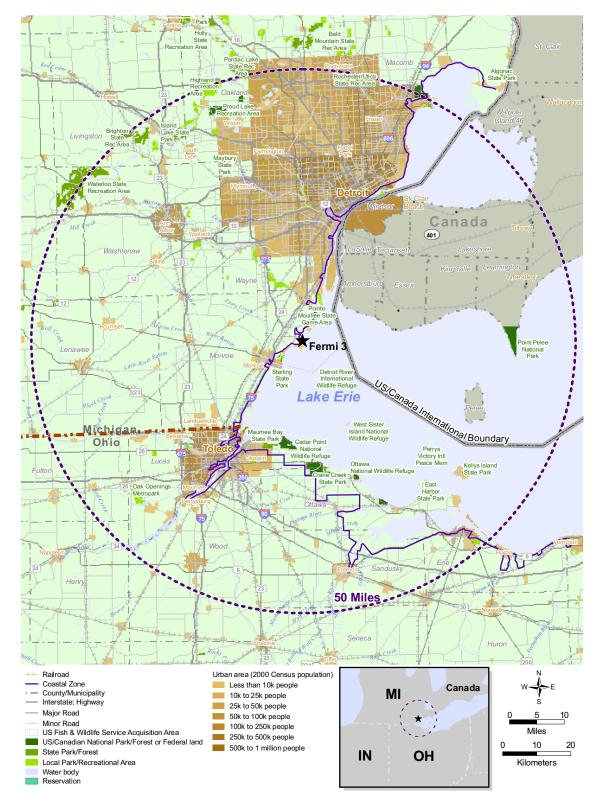


Figure 2.1-202 Site Location and Vicinity Within 12 km (7.5 Mi) [EF3 COL 2.0-2-A]

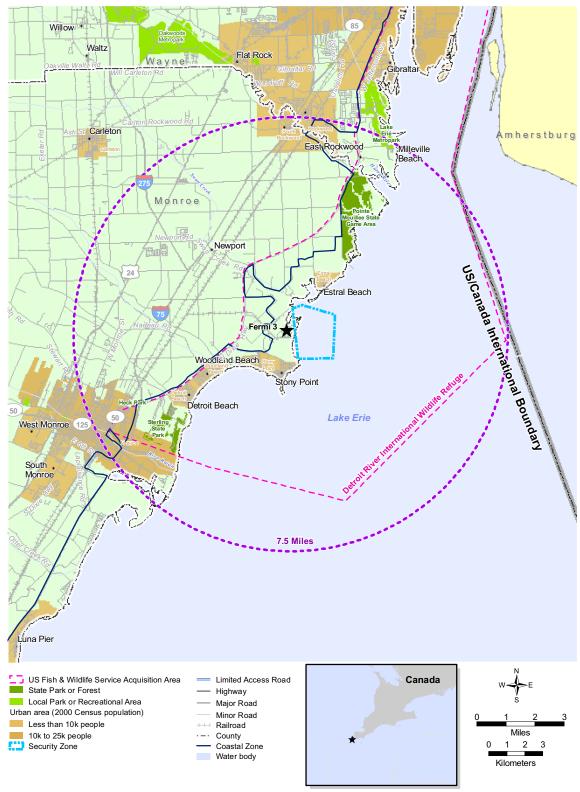


Figure 2.1-203 Fermi Property Boundary

[EF3 COL 2.0-2-A]

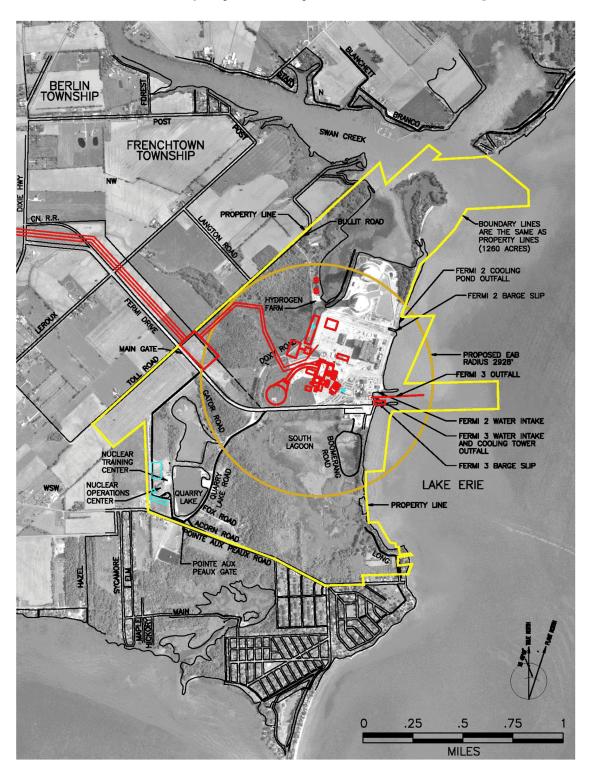
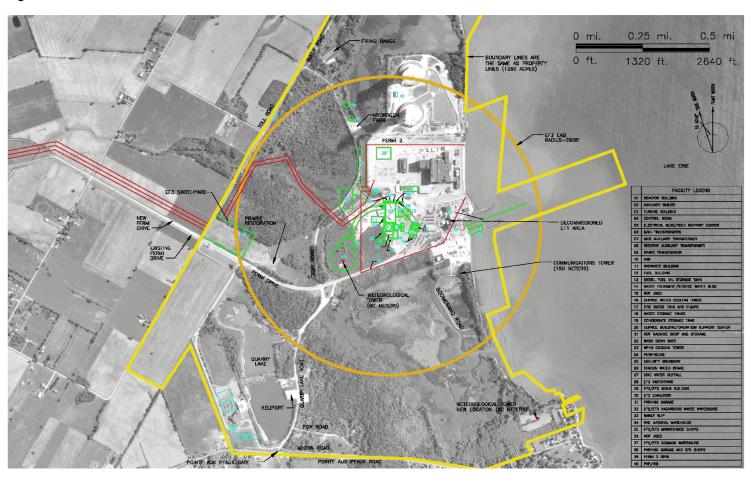


Figure 2.1-204 Fermi 3 Site Plan [EF3 COL 2.0-2-A]

Figure 2.1-204 Fermi 3 Site Plan



U.S. Counties/ CA Counties wholly or partly within 80-km (50-mi) Radius of Fermi 3 (latitude: 41° 57' 39" N, longitude: 83° 15' 43" W) [EF3 COL 2.0-4-A] масомв OAKLAND LAMBTON LIVINGSTON CHATHAM-KENT JACKSON WASHTENAW Michigan Ohio HENRY ERIE SENECA Michigan New Yorl Pennsylvania 30 ⊐ Mi Indiana Ohio

Figure 2.1-205

Figure 2.1-206 Segment Resident Population Distribution 0-16 km (10 mi) (Segmented Concentric Circles) from Fermi 3, 2000 [EF3-COL 2.0-4-A]

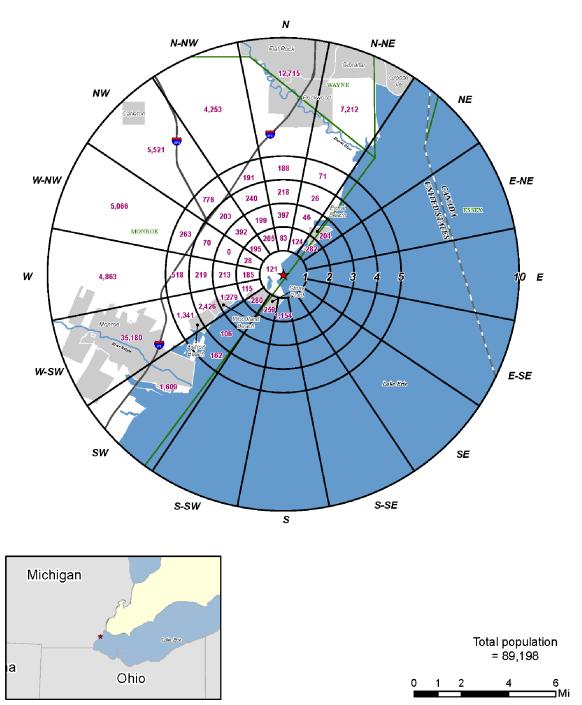
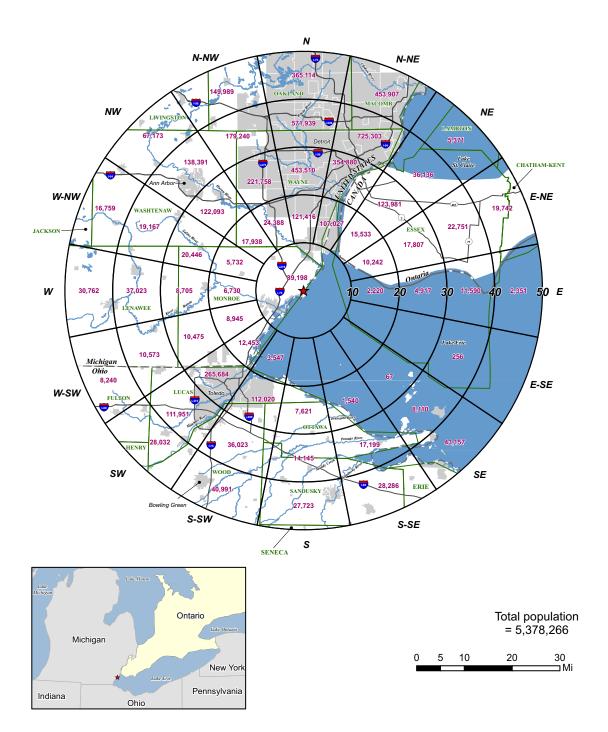
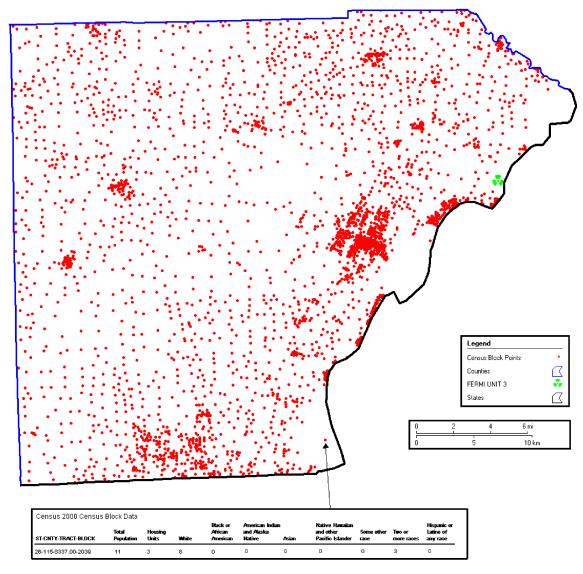


Figure 2.1-207 Regional Segment Population Distribution 0-80 km (50 mi) (Segmented Concentric Circles) from Fermi 3, 2000 [EF3 COL 2.0-4-A]





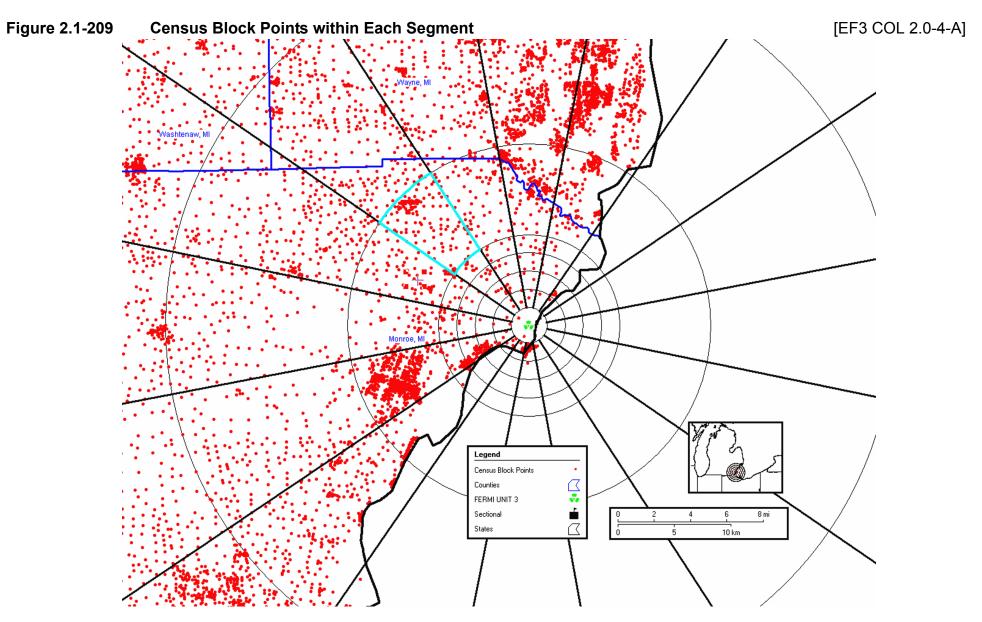
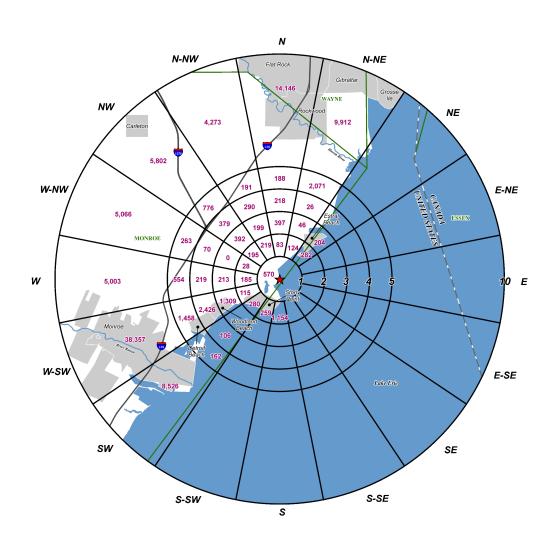


Figure 2.1-210 Resident and Transient Regional Segment Population
Distribution, 0-16 km (10 mi) (Segmented Concentric Circles)
from Fermi 3, 2000 [EF3 COL 2.0-4-A]





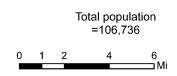
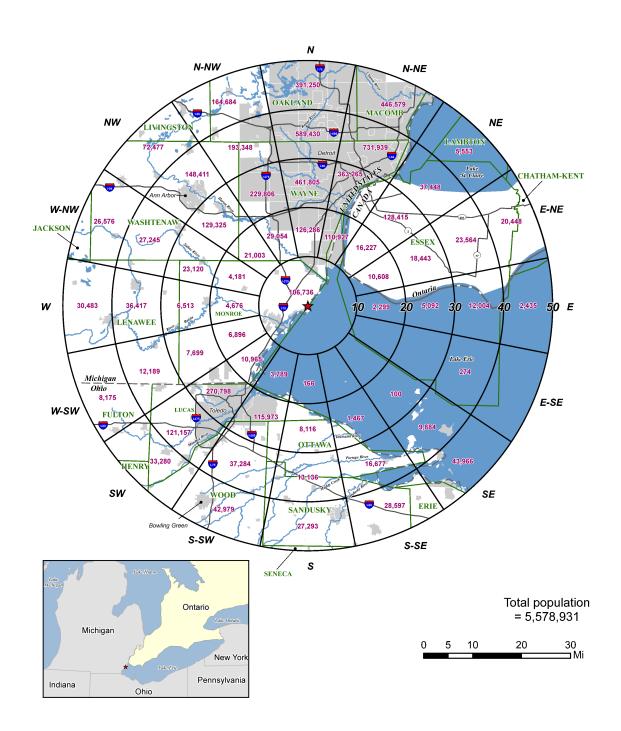


Figure 2.1-211 Resident and Transient Regional Segment Population
Distribution 0-80 km (50 mi) (Segmented Concentric Circles)
from Fermi 3, 2000 [EF3 COL 2.0-4-A]



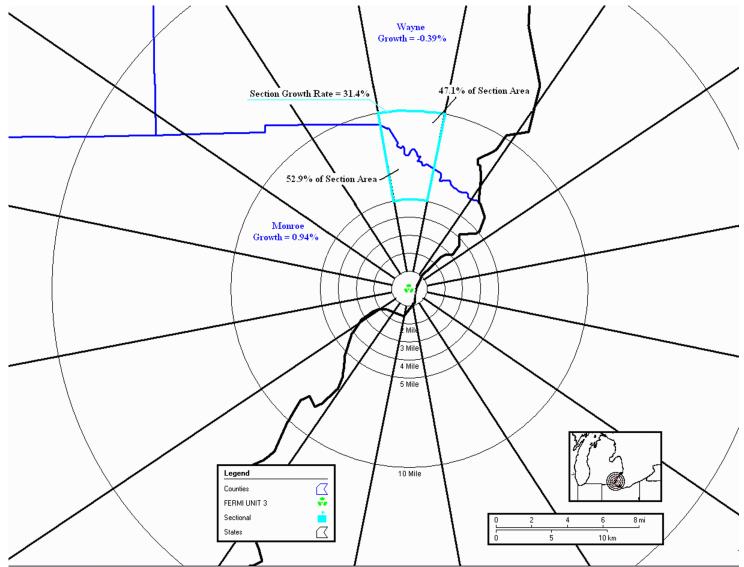
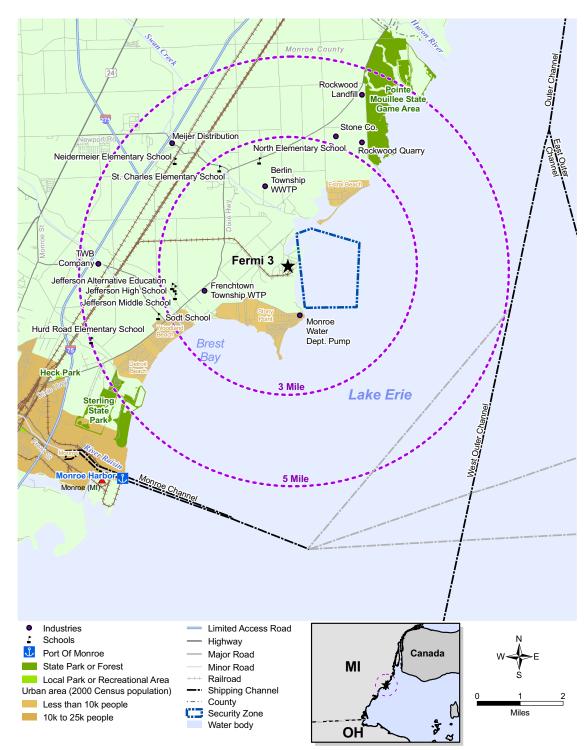


Figure 2.1-213 Industrial Facilities, Parks and Other Facilities within the LPZ (3 mi) and 5 mi of Fermi 3 [EF3 COL 2.0-4-A]



Source: Reference 2.1-216, Reference 2.1-220