## South Apopka Community Report

### **Environmental Health**



# Central Florida Florida Disaster Resilience Initiative Phase 1 Stage 2 2019



These materials were developed by Health Initiatives Foundation, Inc. in 2019. Surveys were conducted under the auspices of Health Initiatives Foundation, Inc.'s Florida Disaster Resilience Initiative, with funding from The Miami Foundation.

### Environmental Health Concerns

The NATA Air quality Indicators for Diesel Particulate Matter, Air Toxics Cancer Risk, and Respiratory Hazard Index are in the range of the 50th to the 70th percentile in the US for all Census Block Groups surveyed. The highest concentrations of homes built before 1960, and therefore showing in elevated percentiles for Lead Paint Indicator, are the three Census Block Groups in Census Tract **017600** (**017600**1, **017600**2 and **017600**3) These geographies are bordered by:

- E Main St to the North, Cleveland St E to the South, Sheeler Ave to the East, and S Highland Ave to the West in Census Block Group **017600**1
- E Main St to the North, Cleveland St E to the South, S Highland Ave to the East, and Central Ave S to the East in Census Block Group **017600**2
- W Main St to the North, W Cleveland St to the South, Central Ave S to the East, and Bradshaw Rd S to the East in Census Block Group **017600**3.<sup>1</sup>

Indicator	Census Block Group					
	<b>017501</b> 1	<b>017504</b> 3	<b>017600</b> 1	<b>017600</b> 2	<b>017600</b> 3	<b>017802</b> 1
NATA Diesel Particulate Matter	<50th	<b>50-60th</b>	<b>50-60th</b>	<b>50-60th</b>	<b>50-60th</b>	<b>50-60th</b>
(ug/m3)*	Percentile in US					
NATA Air Toxics Cancer Risk	<50th	<b>60-70th</b>	<b>50-60th</b>	<b>50-60th</b>	<b>50-60th</b>	<b>50-60th</b>
(risk per MM)*	Percentile in US					
NATA Respiratory Hazard	<b>50-60th</b>	<b>60-70th</b>	<b>60-70th</b>	60-70th	60-70th	<b>60-70th</b>
Index*	Percentile in US					
Traffic Proximity and Volume (daily traffic count/distance to road)	55th Percentile in US	32nd Percentile in US	63rd Percentile in US	46th Percentile in US	54th Percentile in US	<b>35th</b> Percentile in US
Lead Paint Indicator (%	<b>36th</b>	<b>14th</b>	58th	64th	53rd	<b>30th</b>
pre-1960s housing)	Percentile in US					
Superfund Proximity (site	65th	69th	64th	64th	66th	<b>77th</b>
count/km distance)	Percentile in US					
Proximity to facilities w Required Risk Management Plans (facility count/km)	93rd Percentile in US	98th Percentile in US	93rd Percentile in US	93rd Percentile in US	90th Percentile in US	91st Percentile in US

#### Table 1. Percentile in the US for Environmental Indicators

\*The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at:

https://www.epa.gov/national-air-toxics-assessment.

<sup>&</sup>lt;sup>1</sup> EPA EJSCREEN: Environmental Justice Screening and Mapping Too and Overview of Environmental IndicatorsI <<u>https://www.epa.gov/ejscreen</u>>



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*Contaminated Sites:* The Florida Department of Environmental Protection Contamination Locator map does not have any reported Superfund Sites, Brownfield Sites, Petroleum Cleanup Sites or Other Cleanup Sites. All Census Block Groups are in the 64th through 77th percentile range in the US for Superfund Proximity.<sup>2</sup> Proximity to facilities with Required Risk Management Plans is elevated, with all Census Block Groups between the 90th and the 98th percentile in the country. The "Proximity to facilities with Required Risk Management Plans" is the Count of RMP (potential chemical accident management plan) facilities within 5 km (or nearest one beyond 5 km), each divided by the distance in kilometers. The Orange County Local Mitigation Strategy states that:

There are 213 fixed facilities in Orange County that hold chemicals that are designated as Extremely Hazardous Substances (EHS). These facilities can be found in almost all of the jurisdictions in Orange County, including: Apopka, Bay Lake, Eatonville, Lake Buena Vista, Maitland, Ocoee, Orlando, Winter Garden, Winter Park, and across the Unincorporated County. Releases of chemicals have the potential to occur at each of these facilities. The County conducts a hazards analysis of each facility every other year to determine the chemical's vulnerability zone radius and the approximate population in any critical facilities located within that zone that would need to evacuate. Critical facilities include schools, hospitals and other medical facilities, fire stations, and police stations. This information is provided to the individual facility, first responders, the LEPC, and the SERC/State.<sup>3</sup>

<sup>&</sup>lt;sup>3</sup> Orange County Local Mitigation Strategy 2016, p. 81



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<sup>&</sup>lt;sup>2</sup> Florida Department of Environmental Protection Contamination Locator Map

<sup>&</sup>lt;http://prodenv.dep.state.fl.us/DepClnup/viewmap.do>

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