

# **Downtown Orlando Community Report Environmental Health Concerns**



## **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

Within the three Census Block Groups that comprise the Orlando Central Business District, EPA air quality indicators for NATA Diesel Particulate Matter, NATA Air Toxics Cancer Risk and NATA Respiratory Index are ranked among the highest in the nation: between the 80th and 100th percentile in the nation. All Census Block Groups, with the exception of **0147031**, which is farther to the West, have high Traffic Proximity and Volume, measured as Daily Traffic Count divided by the distance to the road from the residences. The three Census Block Groups in the Orlando Central Business District were in the 98th, 85th, and 97th percentiles in the country. Census Block Group **0184001**, with the Orlando Minicipal Airport, is within the 80th to 90th percentile in the US. Across Census Block Groups surveyed, the proximity to Superfund sites, measured by Superfund Site count divided by the distance to the sites in kilometers. Percentile rankings of proximity to facilities that are required to file Risk Management Plans range from the 84th to the 98th percentile in the US, whereas the percentile rankings for proximity to Hazardous Waste sites ar much lower, fromthe 38th percentile to the 65th percentile in the US.



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

Indicator	Census Block Groups					
	0103002	0188002	0189005	0184001	0147031	0152011
NATA Diesel Particulate Matter (ug/m3)	80-90th Percentile in US	90-95th Percentile in US	95-100th Percentile in US	70-80th Percentile in US	70-80th Percentile in US	70-80th Percentile in US
NATA Air Toxics Cancer Risk (risk per MM)	90-95th Percentile in US	90-95th Percentile in US	95-100th Percentile in US	80-90th Percentile in US	70-80th Percentile in US	70-80th Percentile in US
NATA Respiratory Hazard Index	90-95th Percentile in US	90-95th Percentile in US	90-95th Percentile in US	80-90th Percentile in US	80-90th Percentile in US	70-80th Percentile in US
Traffic Proximity and Volume (daily traffic count/distance to road)	98th Percentile in US	85th Percentile in US	97th Percentile in US	93rd Percentile in US	57th Percentile in US	92nd Percentile in US
Lead Paint Indicator (% pre-1960s housing)	67th Percentile in US	98th Percentile in US	19th Percentile in US	73rd Percentile in US	20th Percentile in US	61st Percentile in US
Superfund Proximity (site count/km distance)	83rd Percentile in US	87th Percentile in US	85th Percentile in US	82nd Percentile in US	76th Percentile in US	85th Percentile in US
Proximity to facilities w Required Risk Management Plans (facility count/km distance)	93rd Percentile in US	98th Percentile in US	92nd Percentile in US	84th Percentile in US	87th Percentile in US	95th Percentile in US
Hazardous Waste Proximity (facility count/km distance)	65th Percentile in US	63rd Percentile in US	62nd Percentile in US	37th Percentile in US	47th Percentile in US	38th Percentile in US

\*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>.



## Brownfield Sites

There are two Brownfield Sites in the Downtown Area of Orlando that are on the Florida Department of Environmental Protection Contamination Locator Map, although one of them (the Dr. Phillips Orlando Performing Arts Center) has received its rehabilitation completion notice.

**Table 2. Brownfield Sites in the Downtown Area of Orlando**

Area ID	Area Name	Site ID	Site Name
<a href="#">BF480401000</a>	DEEDS Orlando Expanded	<a href="#">BF480401004</a>	Future Dr. P. Phillips Orlando Performing Arts Center
		<a href="#">BF480401001</a>	Orlando Events Center

## Contaminated Sites

In addition to the 2 Brownfields, there are 4 Cleanup Sites in Downtown Orlando: 1 Active Petroleum Cleanup Site, 1 Pending Petroleum Cleanup Site, and 2 Active Other Cleanup Sites as listed below with links to their documentation.

### **Active Petroleum Cleanup Sites**

1. **HUGHEY AVE & SOUTH ST** at ROADWAY AT HUGHEY & SOUTH; Facility Id: 9810753     [Watch This Site](#)     [Documents](#)

### **Pending Petroleum Cleanup Sites**

1. **AMOCO-DOWNTOWN** at 261 S MAGNOLIA AVE; Facility Id: 8512655  
[Watch This Site](#)     [Documents](#)

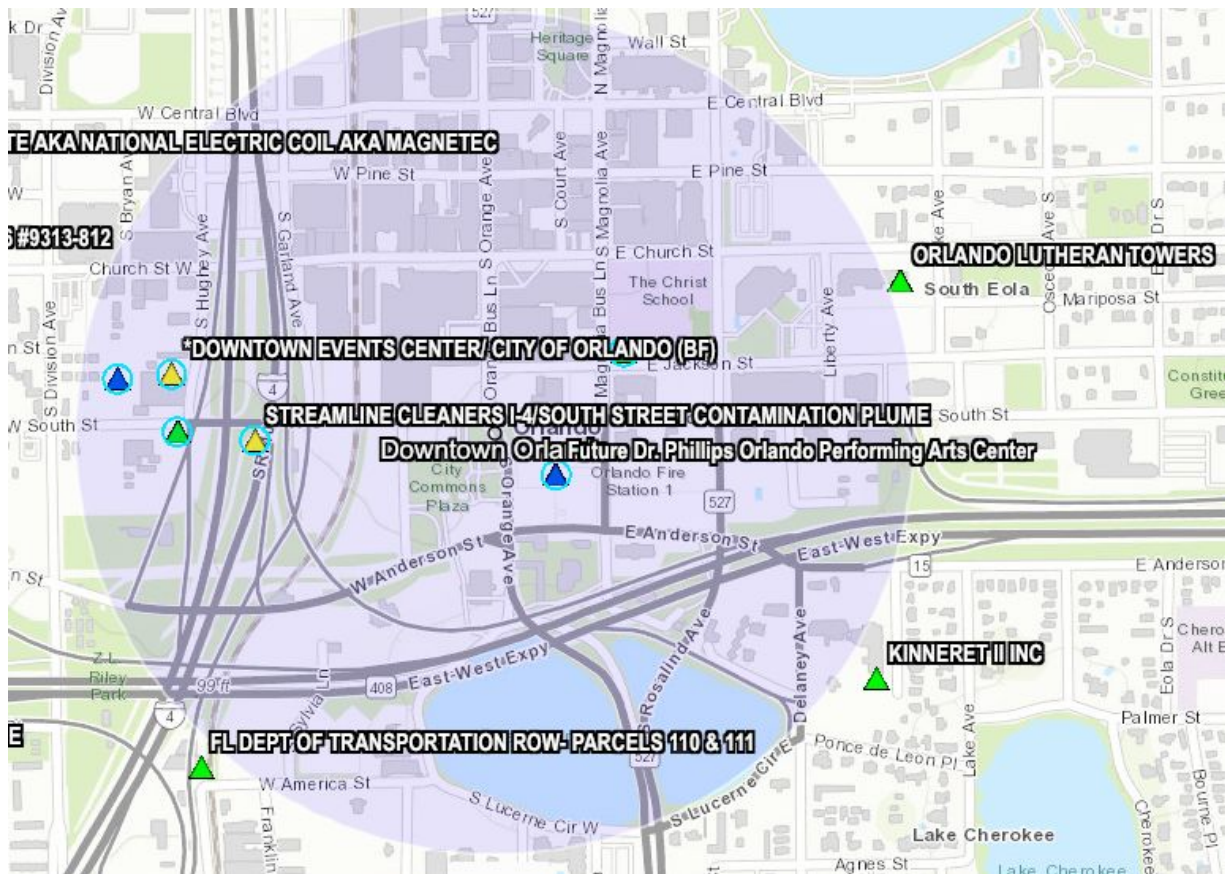
### **Active Other Cleanup Sites**

1. **DOWNTOWN EVENTS CENTER/ CITY OF ORLANDO (BF)** at 3 BLOCK AREA FROM JACKSON TO HUGHEY PL; Facility Id: COM\_273675  
[Watch This Site](#)     [Documents](#)
2. **STREAMLINE CLEANERS I-4/SOUTH STREET CONTAMINATION PLUME**



### Map 1. Contamination Locator Map Downtown Orlando<sup>1</sup>

Cleanup types: ▲ Brownfields   ▲ Petroleum   ▲ Superfund   ▲ Other Waste Cleanup



<sup>1</sup> Florida Department of Environmental Protection Contamination Locator Map  
<<http://prodenv.dep.state.fl.us/DepCInup/viewmap.do>>

