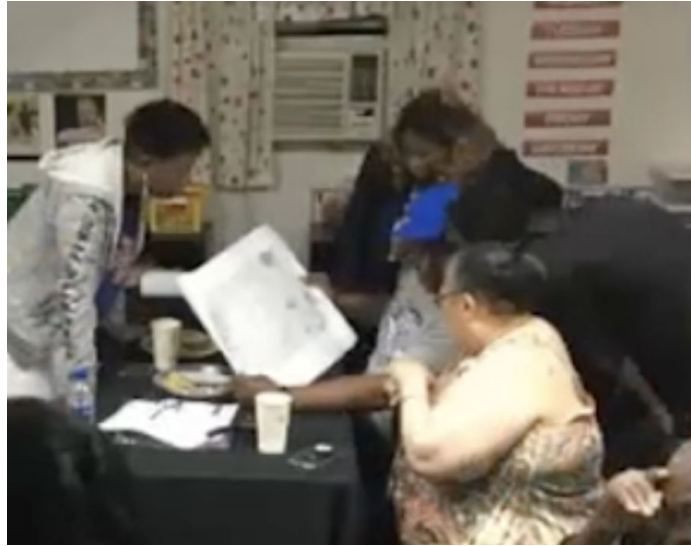


Holden Heights, Orlando Community Report Environmental Health Concerns



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

Holden Heights, Orlando, Census Block Groups have some of the highest concentrations of air quality pollutants, traffic proximity and volume in the United States. Table 1 summarizes elevated environmental indicators in Holden Heights, Orlando, and environs Census Block Groups. In addition there are many homes constructed prior to the 1960's, which appear in the table below as the lead paint indicator.¹ Note that in addition to possibly having lead paint, homes of this age are particularly vulnerable to wind damage, as they were constructed prior to changes in Florida's building code that were designed to help them withstand hurricanes.

Table 1. Percentile in the US for Environmental Indicators

Indicator	Census Block Group				
	120950185001	120950185002	12095011600 3	12095011702 2	120950144002
NATA Diesel Particulate Matter (ug/m3)*	90-95th Percentile in US	90-95th Percentile in US	80-90th Percentile in US	80-90th Percentile in US	80-90th Percentile in US
NATA Air Toxics Cancer Risk (risk per MM)*	90-95th Percentile in US	90-95th Percentile in US	70-80th 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	80-90th Percentile in US	80-90th Percentile in US	80-90th Percentile in US
Traffic Proximity and Volume (daily traffic count/ distance to road)	96th Percentile in US	96th Percentile in US	97th Percentile in US	79th Percentile in US	83rd Percentile in US
Lead Paint Indicator (% pre-1960s housing)	82nd Percentile in US	63rd Percentile in US	45th Percentile in US	72nd Percentile in US	52nd Percentile in US
Superfund Proximity (site count/km distance)	82nd Percentile in US	80th Percentile in US	79th Percentile in US	83rd Percentile in US	74th Percentile in US
Proximity to facilities w Required Risk Management Plans (facility count/km distance)	86th Percentile in US	7th Percentile in US ⁸	65th Percentile in US	67th Percentile in US	58th 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>.

¹ EPA EJSCREEN: Environmental Justice Screening and Mapping Tool <<https://www.epa.gov/ejscreen>>



Brownfield Sites

There are two Brownfield Sites within the Holden Heights Redeveloping Orange County Communities (ROCC) Brownfield Area reported on the Florida Department of Environmental Protection's Brownfield Areas and Sites Documentation website: The Rio Grande Acquisition Company and the Former Daniels Publishing Facility. The Rio Grande Acquisition Company, however, has received a Site Rehabilitation Completion Order Without Conditions.

Table 2. Brownfield Sites in the Holden Heights Redeveloping Orange County Communities (ROCC) Area²

Area ID	Area Name	Site ID	Site Name
BF480703000	Holden Heights ROCC Brownfield Area	BF480703002	Rio Grande Acquisition Company
		BF480703001	Former Daniels Publishing Facility

The Former Daniels Publishing Facility at 1209 29th St. has March 29, 2019 correspondence from the FDEP stating:

Antimony, lead, and silver were analyzed in January 2019 in monitoring wells, MW-1, MW-2R, MW-3, MW-5, MW-6, MW-7, MW-8. Exceedances of the antimony groundwater cleanup target level (GCTL), 6 ug/L, occurred for antimony in wells, MW-2R and MW-3.

Currently, isopropyl benzene [GCTL = 0.8 micrograms per liter (ug/L)] and 1,3,5-trimethylbenzene (GCTL = 10 ug/L) exceed GCTLs in groundwater samples from only one location, MW-7 (inside building of former Daniel's Publishing). Concentrations

² Florida Department of Environmental Protection Brownfields Area and Site Documentation <<https://floridadep.gov/waste/waste-cleanup/content/florida-brownfields-area-and-site-documentation>>



for both constituents have decrease significantly since 2016. Current levels are 2.1 ug/L and 13 ug/L, respectively. The plume associated with these constituents is shrinking.

Active remediation last occurred at the site in July 2017.

The report identifies that the antimony plume is not delineated to the west of MW-3. A new monitoring well, MW-10, is proposed to be installed 25 ft west of MW-3. Delineation should also consider lead results.

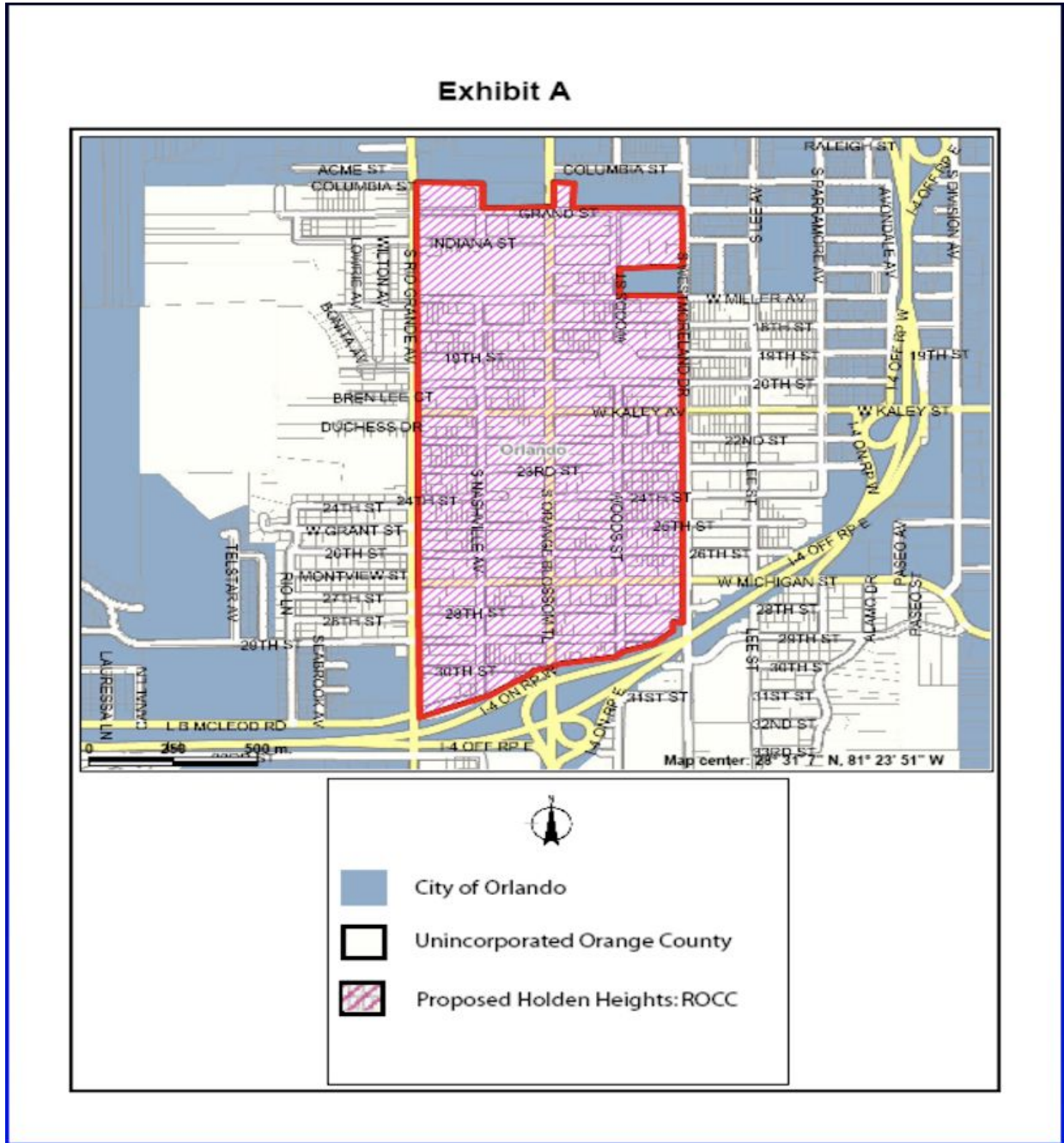
It is proposed that wells, MW-2R, MW-3, and MW-10 be sampled only for antimony. Given that lead was detected in MW-2R in December 2018 exceeding the GCTL, sampling should consist of antimony and lead for each well. The follow-up sample in January 2019 does not demonstrate that lead is not an issue since it was not analyzed during any event since 2006. Also, the original samples from both sumps resulted in significant lead concentrations of 435 and 330 ug/L, respectively.

The report proposes only two quarterly monitoring events to demonstrate plume stability. Rule 62-780.690(8)(g), F.A.C. states “if natural attenuation monitoring follows active remediation, a minimum of four sampling events is required and.... site rehabilitation shall be considered complete when the 62- 780.680(2), F.A.C. criteria have been met for at least the last two sampling events”. The active remediation for this site was not specifically designed to remediate antimony and lead. The source of the plume was known but it has not been delineated. Antimony was not sampled during quarterly NAM events following the active remediation. Antimony was only sampled in monitoring wells in January 2019 at the request of FDEP since it was a constituent found in the source sumps. *For the above reasons, two additional consecutive quarters of sampling should be conducted at a minimum; if these samples yield results that are less than the GCTL for antimony and lead then no further action can be considered for the site. However, since there are no historical sampling results for antimony and lead, a minimum of 4 quarters of sampling will be required, if the results are above GCTLs. A year period is required to demonstrate plume stability or shrinking.*

Rule 62-780.680(2)(c)4., F.A.C. states “for groundwater contamination that is contained within the property boundaries and limited to the immediate vicinity of the source area and the area of groundwater contamination is less than 1/4 acre, where it has been demonstrated to the Department by a minimum of one year of groundwater monitoring data that the groundwater contamination is not migrating away from the localized source area (the plume is stable or shrinking) and has not affected, and will not affect freshwater or marine surface water body”.



Map 1. Holden Heights Redeveloping Orange County Communities (ROCC) Area



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Contaminated Sites

In the geographies falling under the Holden Heights, Orlando distinction, there are 2 Brownfields, and 10 Active Petroleum Cleanup Sites, 10 Pending Petroleum Cleanup Sites, 1 Active Other Cleanup Sites, and 3 Other Waste Cleanup Sites. The “Other Waste Cleanup” Site category includes:

Drycleaning: Sites contaminated with drycleaning solvents that are eligible to be cleaned up by the DEP

Responsible Party: Sites that will be cleaned up by the party responsible for the contamination or by a party that did not cause the contamination but has accepted responsibility for cleanup

State Funded: Sites that will be cleaned up by the DEP because there is no party identified that is responsible for the contamination or able to clean it up

State-Owned Lands Cleanup: Sites on state properties (such as state parks or state-owned buildings) that will be cleaned up by the DEP

Hazardous Waste: Sites at regulated hazardous waste facilities that will be cleaned up by the facility owner or operator in accordance with the federal hazardous waste program.

Active Petroleum Cleanup Sites (10):

1. AIRPORT LIMOUSINE OF ORLANDO at 426 W GORE ST; Facility Id: 9100102
[Watch This Site](#) [Documents](#)
2. BROWNIE SEPTIC TANK SERVICE at 1326 17TH ST; Facility Id: 8521860
[Watch This Site](#) [Documents](#)
3. COMFORT INN DOWNTOWN at 720 S ORANGE BLOSSOM TRL; Facility Id: 8513475
[Watch This Site](#) [Documents](#)
4. COMMERCIAL IRON & METALS at 317-415 KALEY AVE; Facility Id: 8521705
[Watch This Site](#) [Documents](#)
5. CONRAD YELVINGTON DIST INC at 410 W KALEY AVE; Facility Id: 8627188
[Watch This Site](#) [Documents](#)
6. CULLIGAN WATER CONDITIONING at 1401 SLIGH BLVD; ORLANDO, FL 32806; Facility Id: 8627296
[Watch This Site](#) [Documents](#)



7. D&D SMITH CONSTRUCTORS INC at 519 CONROY ST; Facility Id: 9402023
[Watch This Site](#) [Documents](#)
8. MEARS TRANSPORTATION GROUP at 324 W GORE ST; Facility Id: 8732355
[Watch This Site](#) [Documents](#)
9. MID STATE PLUMBING INC at 1125 ATLANTA AVE; Facility Id: 8627469
[Watch This Site](#) [Documents](#)
10. PAX VILLA FUNERAL HOMES(FORMER 7-ELEVEN STORE#1004 at 1236 W KALEY ST; Facility Id: 8512583 [Watch This Site](#)
[Documents](#)

Pending Petroleum Cleanup Sites (10):

1. 7-ELEVEN FOOD STORE #25295 at 901 S ORANGE BLOSSOM TRL; Facility Id: 8521796
[Watch This Site](#) [Documents](#)
2. ALLEYNE LLC at 843 S ORANGE BLOSSOM TRL; Facility Id: 8512654
[Watch This Site](#) [Documents](#)
3. AUTO WERKS HAUS INC at 525 CONROY ST; Facility Id: 9401340
[Watch This Site](#) [Documents](#)
4. CITGO-DIAMOND #283 at 2015 S ORANGE BLOSSOM TRL; Facility Id: 8513339
[Watch This Site](#) [Documents](#)
5. FERRAN ENGINEERING GROUP INC at 530 GRAND ST; Facility Id: 8627582
[Watch This Site](#) [Documents](#)
6. LAYNE-ATLANTIC CO at 1109 S ORANGE BLOSSOM TRL; Facility Id: 8627318
[Watch This Site](#) [Documents](#)
7. NATIONAL LINEN SERVICE #62 at 1213 S DIVISION ST; Facility Id: 8521829 NATIONAL LINEN SERVICE #62
[Watch This Site](#) [Documents](#)
8. ORLANDO CITY-FLEET MAINTENANCE at 1000 W GORE ST; Facility Id: 8521538
[Watch This Site](#) [Documents](#)
9. SUNOCO at 515 W KALEY AVE; Facility Id: 8513496
[Watch This Site](#) [Documents](#)
10. SUNSHINE FOOD MART #323 at 1901 TALLOKAS AVE; Facility Id: 8512981
[Watch This Site](#) [Documents](#)



Active Other Waste Cleanup Sites (1):

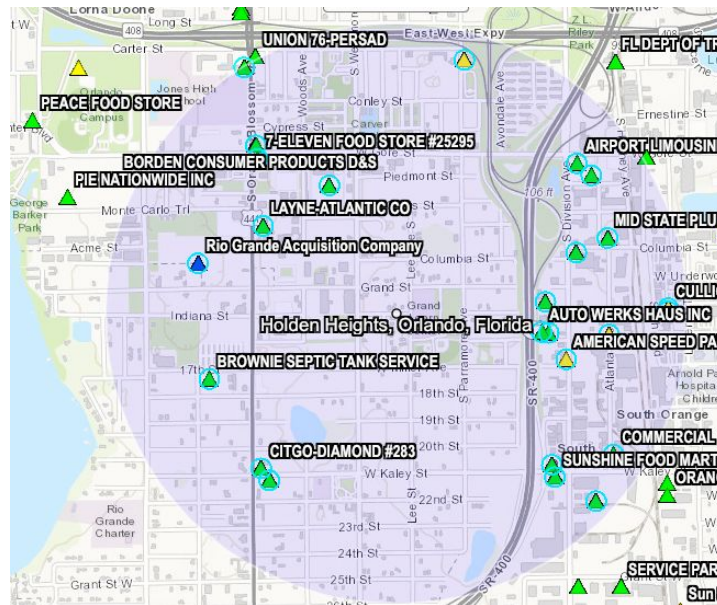
1. CULLIGAN WATER CONDITIONING -FORMER at 1401 SLIGH BOULEVARD; Facility Id: COM_240175
[Watch This Site](#) [Documents](#)

Pending Other Waste Cleanup Sites (3):

1. A-1 BLOCK CORP (FORMERLY ATLANTA AVENUE SITE), 1417 S ATLANTA AVE; Facility Id: COM_192149
[Watch This Site](#) [Documents](#)
2. AMERICAN SPEED PARTS/ACCURATE DIESEL INJECTION at 1510 SOUTH DIVISION AVENUE; Facility Id: COM_327517
[Watch This Site](#) [Documents](#)
3. GREEN PARROT LOUNGE at 713 S PARRAMORE AVE; Facility Id: COM_157083
[Watch This Site](#) [Documents](#)

Map 2. Contamination Locator Map³

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



³ Florida Department of Environmental Protection Contamination Locator Map
<<http://prodenv.dep.state.fl.us/DepClnup/viewmap.do>>

