

Key Largo Wastewater Treatment District Board of Commissioners Meeting Agenda Item Summary

Meeting Date:
November 19, 2024

Agenda Item Number: K-1

Action Required:
No

Department:
Field Operations

Sponsor:
Rudy Perez

Subject:
Field Report - October 2024

Summary:
Mr. Perez will present the Field monthly report.

Reviewed / Approved

Financial Impact

Attachments

Operations: _____
Administration: _____
Finance: _____
District Counsel: _____
District Clerk: _____
Engineering: _____

\$

Funding Source:
N/A

Budgeted:
N/A

1. Monthly Report
2. FLOVAC Report
3. Storm Clean Out Check List

Approved By:  Date: 11/14/2024
General Manager

Wastewater Field Operations

There was a total of 39 service calls for the month of October of these 20 were system-generated alarms, mostly by low vacuum detection at a vacuum station. The system-generated alarms were addressed quickly by the field staff 12 of those system generated were found using the Flo vac monitoring. The reports below detail the remaining 19 calls.

Date	Address	Incident	Response	KLWTD Issue
10/1/24	106501 Overseas Hwy	Customer called in to report they're toilets weren't flushing properly.	On arrival pit was manually discharged. Cleanout was observed and found dry. There was no sign of a backup. Issue on private side. (Homeowner notified).	No
10/2/24	460 Bowie Ln	Customer called to report a backup. They stated sewer was coming up in the bathtub.	Tech arrived on site and found pit in working conditions. Pit was manually discharged. And cleanout was found dry. (Homeowner issue).	No
10/2/24	29 S Exuma Rd	Customer called to report a backup.	Tech found everything was working as it should. Advised the homeowner to call a plumber. (Homeowner issue).	No
10/3/24	118 1 st Terr	Customer called to report a possible backup.	Tech manually discharged pit and found everything working as it should. Advised homeowner to call a plumber. (Homeowner issue).	No
10/4/24	98750 Overseas Hwy	Customer called and stated that they're toilets and shower were backing up.	Tech found everything to be working as it should. Observed cleanout, no issues found. Issue on homeowner side. (Homeowner issue).	No
10/5/24	102770 Overseas Hwy	Plumber called in that a homeowner was experiencing a backup.	Tech arrived on site found that pit was working as should. There were no signs of any backup inside clean out. Issue on homeowner side. (Homeowner issue).	No

10/6/24	86 Francis Drake Dr	Customer called stating that their toilets were not flushing.	On techs arrival pit was manually discharged. Cleanouts were observed and found clear. Notified the homeowner that they would need to call a plumber. (Homeowner issue.)	No
10/8/24	91865 Overseas Hwy	Homeowner called to inform us of a possible backup.	Arrived at address, the pit was functioning properly and the clean out was found clear. No signs of any backup. (Homeowner issue).	No
10/8/24	701 Grouper Ln	Customer called to report a possible backup on our side.	On techs arrival pit was manually discharged and observed. Located cleanout and verified that it was cleared. Homeowner was notified. (Homeowner Issue.)	No
10/10/24	776 Bostwick Dr	Customer called stating that there was sewage coming up in the shower.	Customer has a private pump on one side of their home, which was taking in a lot of water and causing sump to overwhelm. It was discovered that the cleanout was open on the private side. (Homeowner issue).	No
10/10/24	40 Jewfish Ave	Customer called to report a sewer odor coming from the air terminal.	Tech found everything to be working as it should. Cleanout and pit were checked and found no odor coming from our system.	No
10/10/24	114 Long Ben Dr	Customer called in and stated he was experiencing back up issues.	On techs arrival they noticed the area was under recovery due to storm and tide related issues. Crews were working on restoring area. Sump was cleared and components were changed. Pit was back to working conditions.	Yes
10/14/24	100 Sunset Ln	Customer called to report sewage coming up from the shower drain.	Plumber was already on site, stating issue was on the homeowner side. No one has been living on property and the pipes seem to be rusted. Pit was discharged to verify. (Homeowner issue)	No
10/15/24	130 1 st Rd	Customer called stating toilets were not flushing.	On techs arrival they found pit to be unresponsive. Tech found sensor tube hose to have come off. Hose was placed back on. Pit was now back in service.	Yes

10/18/24	35 Atlantic Dr	Customer called stating pump alarm was going off. And thinks sewer was coming from the lid.	Techs arrived to find the SCADA on the grinder pump to have gone bad. Pump was replaced homeowner was notified. System back in service	Yes
10/21/24	156 Marina Ave	Customer called to report that the drains were not draining properly.	Field techs located the homeowner cleanout and found no sign of a back up. They then discharged pit to confirm. No issues found on KLWTD side.	No
10/24/24	720 Gale Pl	Customer called to report a sewer odor coming from the manhole.	Techs found that everything was working as it should. No odors were detected from air terminals or cleanouts. Homeowner notified.	No
10/25/24	208 N Ocean Dr	Customer called to report grinder pump alarm was going off.	Techs arrived on site to find alarm light on, but no sound. They found sump was overwhelmed and pump unresponsive. Pump was swapped out and a new buzzard alarm was placed and tested. System was put back in service.	Yes
10/28/24	102225 Overseas Hwy	Customer called that they were experiencing backup issues. (Arthur's Kitchen)	Once on site, no issues were detected on KLWTD side when running a camera through the private side, so it was determined that there was a blockage in the lateral service.	No

Areas Addressed with the Flow Vac Monitoring System

Date	Address	Incident	Response	KLWTD Issue
10/6/24	50 N Blackwater, 225 Lower Matecumbe, 257 Upper Matecumbe Calder Rd buffer tank	Received a low vacuum alarm call from vac station A & D	On arrival tech acknowledge alarm. Isolated tank valve to an area. Once determining an area. The tech used the Flo Vac monitoring to find the issue. Under addresses you'll see the locations with issues.	50 N Blackwater (valve) 225 Lower & 257 Upper Matecumbe (valve) Calder (controller)
10/11/24	810 Madrid Rd	Received a low vacuum call from vac station D	Tech checked the Flo vac monitoring and went straight to the address of issue.	(Controller)
10/12/24	7 South Dr	Received a low vacuum alarm from vac station A	Tech isolated area using tank valves at the vac station. Once determining area Flo Vac monitoring was used to find the issue.	(Valve)
10/12/24	453 Bahia Honda 171 Long key	Received a low vacuum alarm at vac station A	After receiving the low vacuum alarm tech used the monitoring system to find the issue. Both addresses on this occasion were from high flow. I&I 453 Bahia Honda had a damaged transition coupling on the service lateral. Repairs were made in house.	453 Bahia Honda (demo) 171 Long Key (cleanout cap)

10/20/24	12 Mangrove Ln	Received a low vacuum alarm from vac station A	Tech checked the Flo vac monitoring system and saw that 12 Mangrove Ln was showing a valve open alarm.	(Valve)
10/21/24	33 Jean Lafitte Dr	Received a low vacuum alarm from vac station G	Tech used the Flo Vac monitoring to determine where the problem was. Monitoring system showed it to be at this address. The valve was stuck open.	(Valve)
10/21/24	92351 Overseas Hwy	Received a low vacuum alarm from Vac Station JK	Tech arrived at station isolated the area. Checked the Flo Vac Monitoring and found the issue.	(Valve)
10/22/24	7 Mutiny Pl	Low vacuum alarm at Vac Station G	Tech determined where the issue was using the monitoring system.	Blown out Ferco, valve
10/24/24	991 Gilbralter Rd/ Num Thai buffer tank	Low vacuum alarm at Vac Station D	Tech isolated issue to A specific area at the station. Then using the Monitoring system issues were found.	991 Gilbralter (surge) Num Thai (Valve)
10/25/24	16 Mangrove Ln	Low vacuum alarm at Vac Station A	Isolated issue at vac station. Determined where the problem was using the Flo Vac Monitoring.	Debris in valve
10/27/24	900 Madrid Rd	Low vacuum alarm at Vac Station D	Isolated issue to an area, while using the monitoring system the problem was found.	Valve & Controller

10/27/24	1021 Valencia Dr	Low vacuum at Vac Station D	Tech determined where the issue was by using the monitoring system.	Bad Controller
			The remaining 8 system generated alarms are not yet under the monitoring system.	

Clean Out Check List

Here you will find a complete list of open or broken clean outs located using the FloVac monitoring system starting back in June when Hurricane Beryl pushed heavy rains and the tides up higher than normal on the bayside creating flooded streets in our lower lying service areas to the most recent Hurricane Milton in October. These open clean outs show up as higher than normal activations also indicating that we are getting a higher level of water coming into the system. Which give us high salinity readings at the stations. These open clean outs have been addressed by the crews and have also installed DO NOT TAMPER stickers to the cleanouts in our attempt to prevent future issues.

	Address:	Notes:	Corrective action:
	105910 O/S hwy Vac A	c/o cap open (heavy flow increased activations)	Locked cap down
	104355 O/S Hwy Vac A	Broken c/o cap and c/o box missing	Replaced cap and box
	420 Big pine Vac A	c/o cap open (heavy flow increased activations)	Locked cap down
	206 Lower Matecumbe/ Vac A	c/o open and broken inside sump	Replaced cap and locked down

	Address:	Notes:	Corrective action:
	128 Long Key Vac A	c/o cap open (heavy flow increased activations)	Locked cap down
	17 Cindy Vac D	c/o cap loose	Locked down cap
	3 Cindy Vac D	c/o cap open (heavy flow increased activations)	Locked down cap
	750,800,807 Madrid Vac D	Missing entire assemblies	Added assemblies and locked caps down
	102025 O/S Hwy Vac D	c/o cap open	Locked cap down
	774 N. Lake Dr Vac D	c/o cap open (heavy flow increased activations)	Locked down cap
	708 Bostwick Vac D	c/o cap open (heavy flow increased activations)	Locked down cap

	714 Garden State Vac D	c/o cap open (heavy flow increased activations)	Locked down cap
	45 Crane Vac D	c/o cap open (heavy flow increased activations)	Locked down cap
	311 Buttonwood circle - Vac E	c/o cap open (heavy flow increased activations)	Locked down cap
	397 Laguna Vac E	c/o cap open (heavy flow increased activations)	Locked cap down
	112 Point Pleasant - Vac E	c/o cap open (heavy flow increased activations)	Locked down cap
	300 Buttonwood Shores	c/o cap broken (heavy flow increased activations)	Replaced cap and locked down

714 Garden State Vac D	c/o cap open (heavy flow increased activations)	Locked down cap
306 Buttonwood shores – Vac E	c/o cap open (heavy flow increased activations)	Locked cap down
13 Atlantic Vac E	c/o cap open (heavy flow increased activations)	Locked down cap
14 Atlantic Vac E	c/o cap broken (heavy flow increased activations)	Replaced cap and locked down
41 Hibiscus Vac E	c/o cap open (heavy flow increased activations)	Locked down cap
481 Bahia Rd Vac E	c/o cap broken (heavy flow increased activations)	Replaced cap and locked down

60 Ocean Way Vac E	c/o cap open (heavy flow increased activations)	Locked down cap
98310 O/S Hwy Vac G	4" C/O open on H/O side	Notified homeowner of the issue
33 Jolly Roger Vac G	c/o cap open (heavy flow increased activations)	Locked down cap
37 Jolly Roger Vac G	c/o cap open (heavy flow increased activations)	Locked down cap
70 Jean LaFitte Vac G	c/o cap open (heavy flow increased activations)	Locked down cap
476 Anne Bonnie Vac G	c/o cap open (heavy flow increased activations)	Locked down cap
43 Jean LaFitte Vac G	c/o cap open (heavy flow increased activations)	Locked Down cap
2 Jean LaFitte Vac G	c/o cap open (heavy flow increased activations)	Locked down cap

	60 Ocean Way Vac E	c/o cap open (heavy flow increased activations)	Locked down cap
	1119 Heron Vac I	c/o cap open (heavy flow increased activations)	Locked down cap
	121 Dove Lake Vac J/k	c/o cap gone (heavy flow increased activations)	Replaced cap and locked down
	595 Beach Rd Vac J/K	c/o cap gone (heavy flow increased activations)	Replaced cap and locked down
	476 Bowie Ln Vac D	c/o cap open (heavy flow increased activations)	Locked down cap
	265 Lower Matecumbe Vac A	c/o cap open (heavy flow increased activations)	Locked down cap



