

## Gomez, Joe

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**From:** Perez Jr., Alfredo  
**Sent:** Wednesday, March 20, 2024 3:01 PM  
**To:** Maldonado, Jorge

1. Booster Pump # 1 5/30/2019 out of service, Motor went to condo for service and has a lead time of three weeks.
2. 6-20-2019, mechanics closed specific valves at the station in order to perform scheduled corrective maintenance. Unfortunately, the valves that were closed succumbed to pressure, causing the pit pump area to flood. Mechanics were able to eventually isolate the line with a plug. Once the crew members and vendors were able to dewater the pit pump area, mechanics installed a new 10 inch valve. 6-21-2019, three (3) pit pump motors were removed and delivered to Condo for service. 6-22-2019, electricians installed a new transducer wire to the PLC wire. This task made it possible for the Control Room to visibly document the wet well level in SCADA. Also, pit pump #1 was put back in service. 6-24-2019, pit pump #3 was put in service. 6-25-2019, pit pump #2 was put back in service. Currently, both pressure transmitters for suction and discharge pressures are not working. Contacted vendor from Fluid Control yesterday, 6-27-2019 and they are working on getting me a quote by the end of the day today.
3. Rotork Tech came out on 7/22/2019 to troubleshoot Booster station 28 Actuator Valve with the Pump Shop Electrician and Rotork Tech inform me that the Actuator Valve needs to be replace due to terminal blocks getting wet because of the flood that happen.
4. On 8/29/2019 Pit Pump #1 Fuse Blew on the VFD. On 8/30/2019 fuses where installed and pump was put back in service on 8/30/2019.
5. 9/3/19, Mechanics disassembled Booster Pump #3 and took to Condo to remove broken screw from inside packing gland housing.
6. 2- 12 Inch emergency By Passes have been installed and contractors are schedule for this Thursday 10/31/2019 to start work on the ATS Breakers.
7. On 3/22/2020, Due to the force main break all booster and pit Pumps are shut off at the station but operational .Two (2) 12 inch emergency by-pass pumps are installed with floats to pump the neighborhood flows into the 30" force main. One 12 inch by- pass is set up at the wet well to keeping wet well levels low and the other 12 inch by-pass is set up at the manhole for back up. All flows from north and mid Beach are by- passing station 28 and being directly pumped to Virginia Key from station 29. Ric-man is scheduled to make repairs on Thursday, April 2, 2020.
8. Due to bad weather on April 30/2020, station 28 Pit pump suffered a electrical short, to the Hydro Ranger Transducer System. Pump station is currently running on back up floats, replacements has been ordered, schedule delivery time is May 6, 2020.
9. on 11/6/2020 ,Pit Pump #2 out of service due to damaged coupling. Replacement scheduled for week of Nov 16th. Nov 30, 2020 Standby generator out of service due to radiator leak. Sunbelt portable emergency generator in place for contingency.
10. Nov 23rd, 42" suction pipe found leaking inside the Pit Pump Room.

11. Dec 10th, 2020 damaged exhaust fans.
12. 1/23/2021, Pit Pump #2 has a leaking suction front head.
13. On 2/22/21, The actuator valve motor has malfunction.
14. On 5/20/21 Pumpshop mechanics pulled pump #1 due to bad shaft sleeve
15. On 2/28/22 Pit Pump VFD #2 malfunction. Custom controls tech did a site visit and troubleshot VFD and found internal component malfunction in VFD, a new VFD is needed.
16. On 5/31/22 the motor broke the bolts off the pump housing and twisted up the VFD cables and nicked the cables. Need New cables/wiring.
17. On 6/18/22 the actuator valve motor overloaded, new one needed.
18. On 8/22/22, Pump-shop tried to close suction valve on pump #3 but the gear box broke
19. On 9/19/22 Booster #2 was pulling low KW, impeller slid off the shaft.
20. On 2/9/23 the generator fuel pump started to leak fuel .Need new one.
21. On 4/10/23 the mega flange on the force main piping inside the pump station busted, we closed all discharge valves on the booster pumps and actuator valve.
22. On 3/28/2023 we pulled pump #3 and remove a 6 inch lay flat hose that was wrap around impeller.
23. On 5/22/23 the repair band on the pit pump force main busted. Parts were order. On 5/24/23 two 12 inch by pass was connected
24. On 6/20/2023 Pit Pump #3 motor malfunction
25. On 6/28/23 VFD #1 failed and it is Out Of Service. Custom controls was on site on 6/29/23, troubleshooting VFD. VFD has an internal problem. New VFD needed.

**Sincerely,**

MIAMIBEACH

*Alfredo Perez Jr , Pump Shop Supervisor*

PUBLIC WORKS Department

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ACCREDITED public works agency in the Nation - including Canada  
and, 3rd in the State of Florida.



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