

RealStream Lift Station

Release Notes

[RealStream Lift Station 1.03.0 Release Notes](#)

RealStream Lift Station 1.03.0 is a major release, available February 2020

[Application and Firmware Versions](#)

RealStream Lift Station Controller Firmware Version 8.15.1 Build 154

RealStream Lift Station Controller Application Version 1.03.0

RealStream Lift Station Geo SCADA Expert Template Version 1.02.0 Build 49

[New Features \(1.03.0\)](#)

- Device Locking Feature
 - When a new RealStream Lift Station is received, a security mode must be selected before using the system.
 - Added security to restrict remote reconfiguration of the RTU.
- Inclusion of the SCADAPack E Configurator Software
 - Will allow for updating to newer versions of the RealStream Lift Station application and Firmware.

[Known Issues/ Known Customer Difficulties \(1.02.0\)](#)

- **Feature Affected:** Alarm List
Issue: Latched Alarms indicate an incorrect state after a power cycle
Work around: Acknowledge all alarms after a power cycle.
Engineering reference: 23988
- **Feature Affected:** Sensors **Issue:** GDT page no longer scrolls.
Work around: Select the highlighted selection on the page and the press Esc on the GDT.
Engineering reference: 23593
- **Feature Affected:** Firmware Update from the RealStream Lift Station Geo SCADA template
Issue: If the firmware update is unsuccessful, there is no message indicating so. The current version is displayed on the Update page.
Work around: Verify that the correct version is displayed on the Update page after the update. If not, repeat the update process.
Engineering reference: 23813

- **Feature Affected:** The Level units on the Geo SCADA Mimics.
Issue: The Level units always indicate percentage (%) in the RealStream Lift Station Geo SCADA template. If the well depth is not enabled the units should be ft or m.
Work around: None.
Engineering reference: 24770
- **Feature Affected:** Alarm List
Issue: If a level static alarm is active and the level transmitter is disconnected in the station configuration, the alarm will remain in the alarm list.
Work around: Reconnect the level transmitter sensor and acknowledge the alarm. Then disconnect the level transmitter sensor if desired.
Engineering reference: 23529
- **Feature Affected:** Standby Pump Exercise feature.
Issue: If a pump is configured as a stand by pump and the exercise pump feature is enabled, the standby pump will never be exercised.
Work around: Do not configure any pumps as standby. Configure the alternation criteria so that the pump runs very infrequently and only once if desired.
Engineering reference: WWLS-677
- **Feature Affected:** Station Running State
Issue: It may require 2 attempts to switch the Station Mode to the Run mode from the Off mode when using the Geo SCADA template.
Work around: Click the Station Mode button a second time if the first attempt does not change the station mode to Run from Off.
Engineering reference: 23497
- **Feature Affected:** RealStream Geo SCADA template HOA display
Issue: The selection box around the Hand control on the Overview page may show a flashing border after the Hand mode times out.
Work around: Click the Auto control for the pump in the HOA section on the Overview page.
Engineering reference: 23495
- **Feature Affected:** Saving a configuration file.
Issue: Unused set points are replaced with a value of 0.
Work around: No impact to the application since the set points are not used.
Engineering reference: 23490

- **Feature Affected:** Saving a Configuration File
Issue: Saving the Configuration from the GDT succeeds when the station is in CFG mode. This means that an invalid configuration can be saved and later written to another RealStream rtu.
Work around: Ensure that the station mode is in Off or Run mode before saving a configuration
Engineering reference: 23486
- **Feature Affected:** DNP3 and Modbus registers for effluent flow per pump.
Issue: The registers designated to hold the pumped volume per pump is not updated.
Work around: Do not use these registers to monitor the volume pumped per pump. The DNP /Modbus registers for pumps 1- 4 respectively are: 5029/41241, 5030/41291, 5031/41343, 5032/41391. Refer to the Modbus Register Mapping section of the RealStream Lift Station configuration manual.
Engineering reference: 23471
- **Feature Affected:** The event log display.
Issue: It has been observed that the RealStream Lift Station Geo SCADA template and GDT Event logs may become out of synch.
Work around: Refer to both the GDT and RealStream Lift Station Geo SCADA template event logs when looking for the history of alarms generated in the station.
Engineering reference: 23470, 23362
- **Feature Affected:** The 'Summary of Lift Stations' page in the RealStream Lift Station Geo SCADA template.
Issue: The 'Summary of Lift Stations' page displays 'Undefined' for the Status of the Lift Station. when no alarms or alerts are active.
Work around: View the Lift Station Status on the GDT or on the Overview page of Geo SCADA template.
Engineering reference: 23456
- **Feature Affected:** Lift Station Configuration in the RealStream Lift Station Geo SCADA template.
Issue: The RealStream Lift Station Geo SCADA template allows for entering the same IP address for 2 different Lift Stations. The second Lift Station created with the same IP address of the first will not display a Connection Status.
Work around: Enter unique IP addresses for each Lift Station.
Engineering reference: 23449

- **Feature Affected:** Disabling Alarms.
Issue: Some alarms cannot be disabled. This is intended functionality. It needs to be made obvious which alarms can be disabled.
Work around: None.
Engineering reference: 23422
- **Feature Affected:** High Current Pump Alarm.
Issue: The High Current Alarm changes from an active state to a latched state when the pump stops. It should only change to a latched state when the measured current drops below the alarm set point.
Work around: Investigate the state of the pump prior to acknowledging the alarm.
Engineering reference: 23413
- **Feature Affected:** Setting the station state to Off from the GDT.
Issue: Clicking the STOP button on the GDT does not change the station state to Off when on an edit page.
Work around: Navigate away from an edit page and click the Stop button again. An edit page is a page where a value is being changed.
Engineering reference: 23393
- **Feature Affected:** Sensors Overview page
Issue: When first entering the Sensors/Overview/Modbus page after a factory boot, the sensor information is not available.
Work around: Navigate away from the page and then return.
Engineering reference: 23386
- **Feature Affected:** Configuration update.
Issue: Only some pumps are set to Auto and are available to the logic after an application update or configuration update.
Work around: After a configuration or application update ensure that all pumps are set to Auto on the 'Quick Control' page of the GDT or on the Overview page of the RealStream Lift Station Geo SCADA template.
Engineering reference: 23360
- **Feature Affected:** Deragging
Issue: The deragging process will not be postponed if the LL alarm is active.
Work around: None.
Engineering reference: 23357

- **Feature Affected:** Pump Alternation Configuration.

Issue: If a user configures the priority of 4 pumps as 4,2,1, and 3 respectively and then change to only use 3 pumps; the configuration will be accepted as being valid.

Work around: Revisit the pump priority settings if changing the number of pumps in the system.

Engineering reference: 23343