

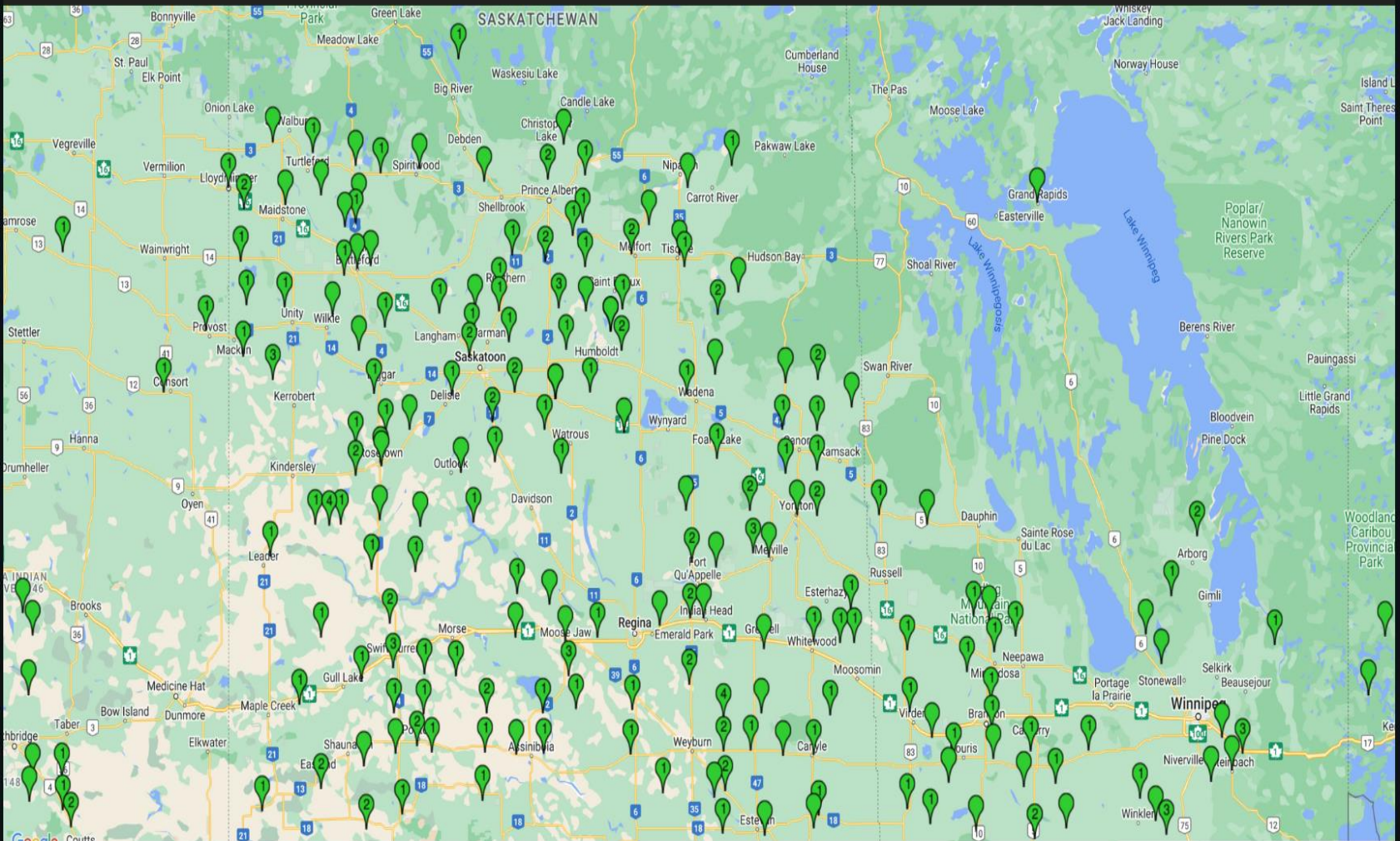


## About Us ....

WE ARE CANADA'S FOREMOST WIRELESS  
SYSTEMS SOLUTION PROVIDER OFFERING  
25+ UNIFIED PRODUCTS DEVELOPED FOR  
MUNICIPAL PUBLIC WORKS OPERATIONS

ONE SYSTEM .... ENDLESS SOLUTIONS

## SNAPSHOT OF OUR WESTERN CANADIAN MUNICIPAL GOVERNMENT CLIENTS



## SEPTAGE SITE ACCESS VS GPS FLEET TRACKING



ConX Wireless **exclusively** integrates  
Septage Disposal Sites with  
Mobile Collection Monitoring & Control



# Septage Site & Haulage Tracking Disposal Systems



ONE SYSTEM .... ENDLESS SOLUTIONS



# 4 Scaled Septage System Solutions to Exceed Municipal Requirements



## SDS-G

### KEYFOB OPEN PIT GATE ACCESS, MONITOR & CONTROL

Collection Operators gain gate access using keychain FOB & wirelessly recorded

## SDS-M

### SMARTPHONE OPEN PIT ACCESS, MONITOR & CONTROL

Operators required to enter using smartphone collection points, & volumes to gain access

## SDS+

### FLAGSHIP KEYFOB SEPTAGE SITE ACCESS, MONITOR & CONTROL

Real-time wireless communications of access, volume & event activities to servers

## SDS-C

### VEHICLE GPS ROUTE COLLECTION MONITORING & CONTROL

Monitor collection sites to be sure that tank contents are not "Blacklisted"

# Our Family of by-feature Septage Site Access Systems



| System Features                                                    | SDS-G                        | SDS-M                 | SDS +                    | SDS-C                        |
|--------------------------------------------------------------------|------------------------------|-----------------------|--------------------------|------------------------------|
| # of Access Users                                                  | Unlimited                    | Unlimited             | Unlimited                | Unlimited                    |
| System billing options                                             | Flat-Fee, Per-Visit & No-Pay | Pre-Pay & User Top-Up | Pre/Post/No/Flat-Fee Pay | Pre/Post/No/Flat-Fee Tap Pay |
| System access                                                      | Key Fob                      | Fob & Smartphone      | Fob & Smartphone         | Fob & Smartphone             |
| Activity/usage storage & accessibility                             | All Usage Data               | All Usage Data        | All Usage Data           | All Usage Data               |
| Water access outlet points per location                            | 1                            | 1                     | 1 or 2                   | 1 or 2                       |
| Extended Cellular Range option *                                   | *                            | *                     | *                        | *                            |
| Accessible by authorized Septage users only                        | ✓                            | ✓                     | ✓                        | ✓                            |
| Web-based administration                                           | ✓                            | ✓                     | ✓                        | ✓                            |
| Volumetric (Time-based) septage metering                           | ✓                            | ✓                     | ✓                        | ✓                            |
| Customizable Hours of Operation                                    | --                           | --                    | ✓                        | ✓                            |
| Extensive Customer Support & Training                              | ✓                            | ✓                     | ✓                        | ✓                            |
| Automatic Timed Safety shut-off per transaction                    | ✓                            | ✓                     | ✓                        | ✓                            |
| Unlimited manager accounts                                         | --                           | ✓                     | ✓                        | ✓                            |
| Accessible by any web-connected device (incl smartphone)           | --                           | --                    | ✓                        | ✓                            |
| Hardware compatible with all septage disposal systems              | ✓                            | ✓                     | ✓                        | ✓                            |
| Tandem operation with existing access systems                      | ✓                            | ✓                     | ✓                        | ✓                            |
| Paperless transaction receipts                                     | --                           | --                    | ✓                        | ✓                            |
| Low-balance account notification sent to User                      | --                           | --                    | ✓                        | ✓                            |
| Auto-disable access at \$0 balance                                 | --                           | ✓                     | ✓                        | ✓                            |
| User access for multiple sites/inlets                              | --                           | --                    | ✓                        | ✓                            |
| Auto-Shut off Volume Limit per location or User                    | --                           | --                    | ✓                        | ✓                            |
| Septage Volume limits (Day, Week, Month)                           | --                           | --                    | ✓                        | ✓                            |
| Automatic system shut-off at \$0 account balance                   | --                           | --                    | ✓                        | ✓                            |
| Manage unlimited locations single login access                     | --                           | ✓                     | ✓                        | ✓                            |
| Define different water \$ rates for different users                | --                           | --                    | ✓                        | ✓                            |
| Historical Dashboard – Graphs and Charts                           | --                           | --                    | ✓                        | ✓                            |
| Detailed water billing reports                                     | --                           | --                    | ✓                        | ✓                            |
| Export & print report options                                      | --                           | --                    | ✓                        | ✓                            |
| User group creation (e.g. Commercial/Ratepayer)                    | --                           | --                    | ✓                        | ✓                            |
| SMS Text Message Notifications                                     | --                           | --                    | ✓                        | ✓                            |
| Custom solutions development (software & H/W)                      | --                           | --                    | ✓                        | ✓                            |
| External Flow Sensor (4-20 Ma signal) integration                  | --                           | --                    | ✓                        | ✓                            |
| Sensor/switch operational notifications                            | --                           | --                    | ✓                        | ✓                            |
| Credit / Debit Card top-up payment integration                     | --                           | ✓                     | ✓                        | ✓                            |
| 3 <sup>rd</sup> Party Billing Software integration (API) *Optional | --                           | --                    | *                        | *                            |
| Water user accessible/exportable reports                           | --                           | --                    | ✓                        | ✓                            |
| Mobile phone pump on/off & volume selection                        | --                           | --                    | ✓                        | ✓                            |
| User/Group email notification (eg. maintenance)                    | --                           | --                    | ✓                        | ✓                            |
| Customizable per-transaction                                       | --                           | --                    | ✓                        | ✓                            |
| Power failure notification                                         | ✓                            | ✓                     | ✓                        | ✓                            |

## ACCESS INSTRUCTIONS

**1** Place key fob on reader until single beep is heard.

**2** Entry granted upon authorization beeps.



4 Beeps: Error (repeat steps) | 8 Beeps: Denied

**Small Yet Mighty**  
... just 5" square

## Septage Site Access & Monitoring System

- 1-step control
- No maintenance
- No moving parts
- IP67 waterproof
- High impact housing
- Cellular data communications
- Retrofit & new installs
- Agnostic existing system integration
- (typically 1 hour to install)

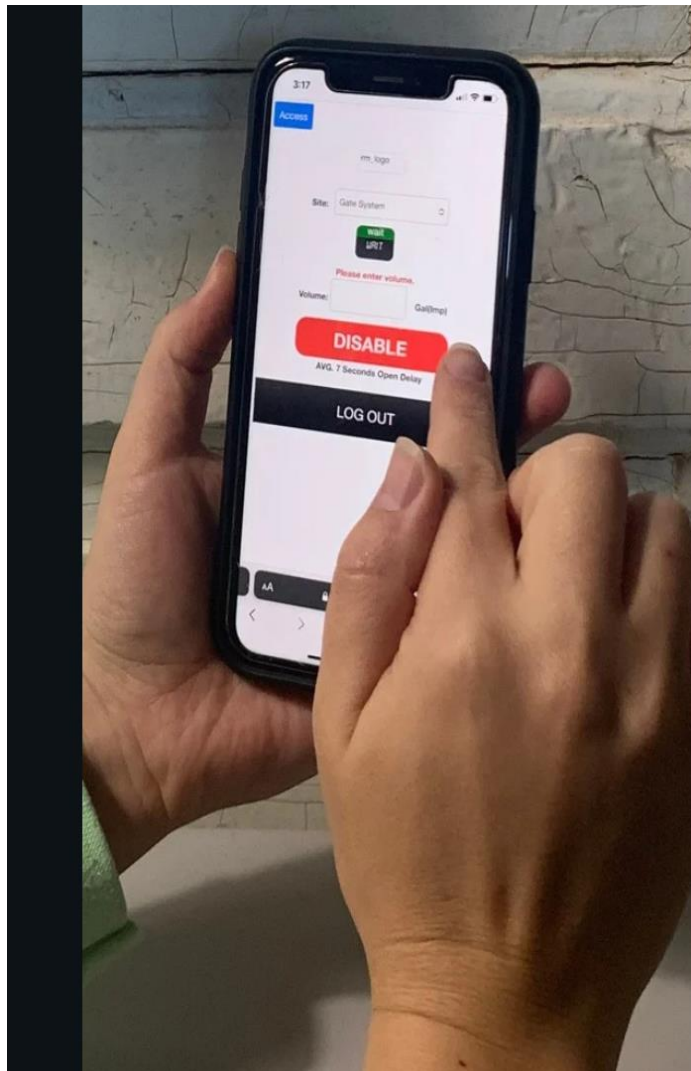


## Gate Solar Power System - GSPS

- Solar Panel**  
12 volt dc - 100 watt  
w/ 4" pole mount kit
- ConX Access System**  
12 volt dc operation
- Battery Box**  
w/ voltage regulator  
& 12 volt dc - 100 ah  
deep-cycle battery  
(battery customer-provided)

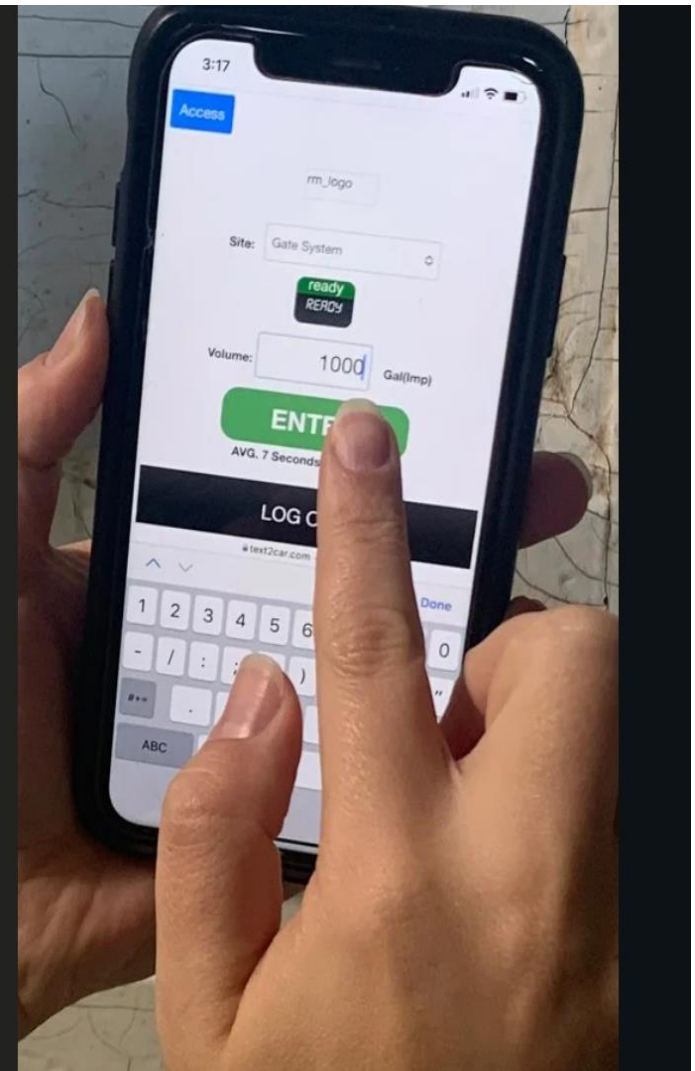


- Wiring Harnesses**
- Magnetic Switch**
- 12 volt Gate Latch**



## **SDS-M** **No-App** **Smartphone** **Site Access**

**To gain access  
Operator  
required to enter  
collection data  
eg. tank volume,  
collection area,  
tank contents  
before access  
provided**



# **SDS+** Our Flagship Access System



**COST-EFFECTIVE  
FEATURE-RICH**



# Septage Disposal Issues & Needs

## ● **TOXINS & CONTAMINATES**

Eliminate the concerns of possible toxic or other problematic constituents in the septage disposal process

## ● **STOP IT BEFORE IT CAN HAPPEN**

Prevent the disposal of unauthorized products at select disposal sites. Notify Operators & Municipalities in real-time

## ● **PAY BY CONTENT MIX**

Apply different disposal rates determined by both route collection content & disposal sites

## ● **DIGITAL MANIFESTS**

Create digital real-time collection Manifests without the need of manual documentation entry

## ● **KNOW WHAT YOU DON'T KNOW**

Incorporate the monitoring & reporting of septage pick-up points & disposal site locations

## ● **CREATE A DATABASE OF COLLECTION "CATEGORIES"**

Determine collection profiles. The Category Profiles can be based on: "OK All", "FLAGGED", "OUTSIDE" and "BLACKLISTED"

# SDS-C System Solutions Overview

**SYSTEM OPERATION CAN BE BROKEN DOWN INTO 3 SEGMENTS:**

- 1. MOBILE VEHICLE FLEET DATA COLLECTION AND MONITORING**
- 2. DISPOSAL SITE ACCESS AND DATA COLLECTION**
- 3. SERVER-BASED EVENT/ACTIVITY DATA ANALYTICS AND REPORT GENERATION**

Using a series of rules and operational event-based monitoring, our SDS+ System virtually eliminates all currently experienced critical issues.

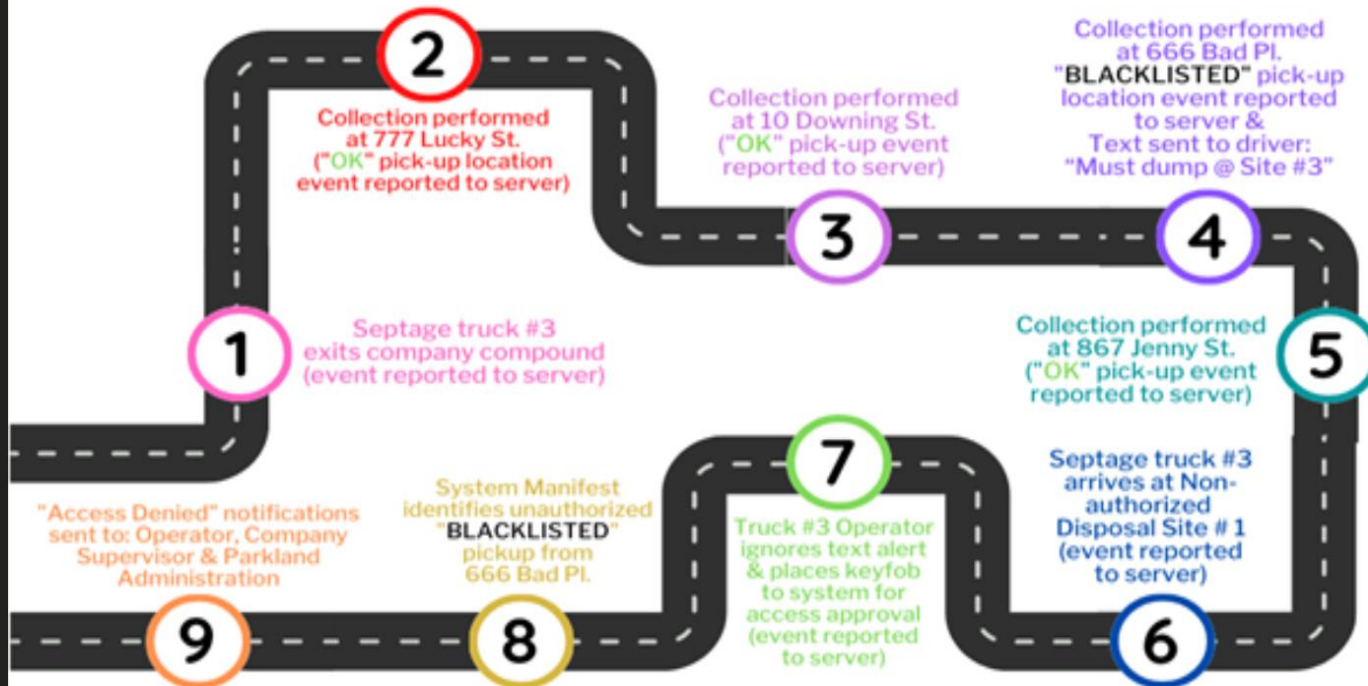
Further, the acquisition of digital real-time event activities are available to generate an unprecedented library of meaningful reports.

Every mobile and stationary event is catalogued and available forever with no manual entry requirements.

# SDS-C



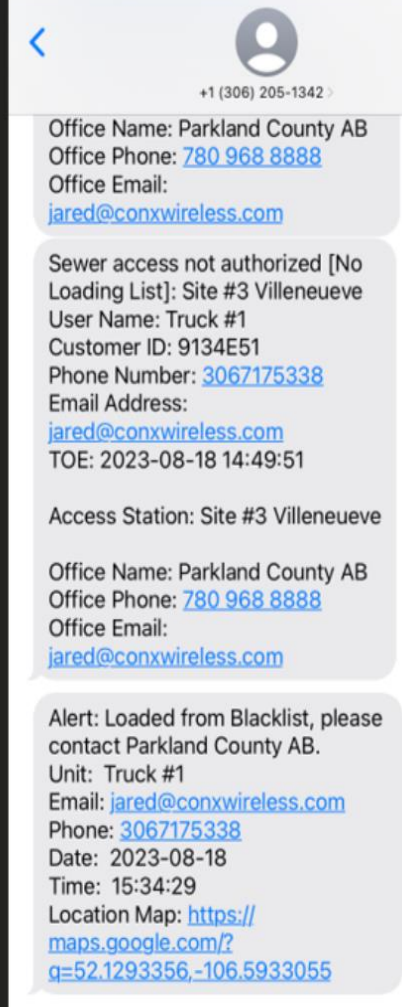
## STEP BY STEP SEWAGE COLLECTION & DISPOSAL "A DAY IN THE LIFE"



# Site Collection Violation Notification Text Sent to Collection Operator (real-time)



**TEXT INSTRUCTIONS WILL EITHER DIRECT  
OPERATOR TO A SPECIFIC AUTHORIZED  
DISPOSAL SITE OR WILL DENY ALL  
ACCESS & OPERATOR IS REQUIRE TO  
CONTACT MUNICIPAL OFFICE**



# “Denied” email notification sent to Septage Collection Company office

• Sewer access not authorized [Flagged Place in Loading List]: Site #1

Inbox ☆



jared@conxwireless.com  
To: jared@conxwireless.com

Thu, Aug 3 at 2:03 PM ☆

**\*Sewer access not authorized\***

**[Flagged Place in Loading List]**

User Name: Truck #2  
Customer ID: 9134E51  
Email Address: [jared@conxwireless.com](mailto:jared@conxwireless.com)  
Phone Number: 13067175338  
TOE: 2023-08-03 14:03:20  
Access Station: Site #1

Office Name: Parkland County AB  
Office Phone: 780 968 8888  
Office Email: [jared@conxwireless.com](mailto:jared@conxwireless.com)

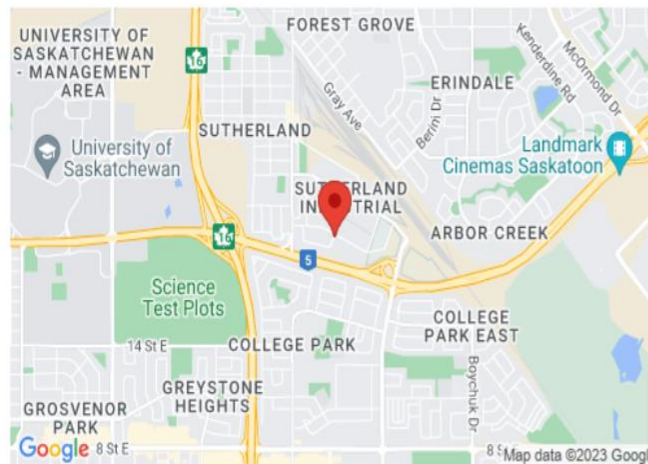
Powered by [ConxWireless.com](https://conxwireless.com)



Alert: Loaded from Blacklist

To reset Blacklist, Click [\[Reset\]](#)

Unit: Truck #1  
Email: [jared@conxwireless.com](mailto:jared@conxwireless.com)  
Phone: 13067175338  
DATE: 2023-08-18  
TIME: 14:40:11



[View on Google Maps](#)



## EMAIL BLACKLISTED COLECTION NOTIFICATION SENT TO MUNICIPAL PUBLIC WORKS

If configured as such by municipal office, Operator with infraction is blocked from any disposals until discussion between Municipal Office and Collection company

**KNOW MORE THAN  
EVER BEFORE**

## **View Tank Volume Level**

**REAL-TIME REPORTING**

See how much liquid was  
collected at each site

Get alert of content disposal if  
NOT at authorized site

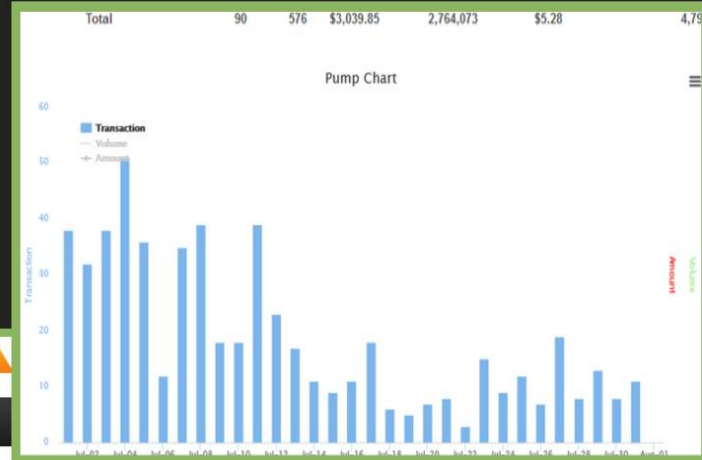


# A family of graphs & reports available to both the Municipal Administration & Collection Company Operation

## JMP CENTER

BACK TO COMMAND CENTRE

[Pump Report](#) [Message Center](#) [Settings](#)



## Pumps - Summary

From 2021-01-01 To 2021-08-20 [Update](#)

| Pump              | Total Trans | Runtime min. | Total \$   | Total Volume |
|-------------------|-------------|--------------|------------|--------------|
| Wakaw Site Pump 1 | 1928        | 5676         | \$13423.96 | 20237        |
| Wakaw Site Pump 2 | 2507        | 18387        | \$86721.80 | 11800        |
| Wakaw Site -3     | 9           | 15           | \$0.96     | 151          |
| Cudworth Site     | 702         | 7298         | \$20699.28 | 30500        |
| Cudworth Site -2  | 3           | 3            | \$0.15     | 24           |
| Cudworth Site -3  | 1           | 0            | \$0.03     | 5            |



# Customizable Reports – Municipal Admin.

## Macro-Configurable by:

- Date Range
- Site
- Collection Company
- Collection Vehicle

## Manifest by:

- Vehicle
- Site
- Company
- “Standard FOB” or “Exception FOB” (Porta-Potty only)

## Event History (all communications & actions) by:

- Site
- Vehicle

## Disposal Denied:

- Site
- Vehicle
- Company

## Loading Details by:

- Vehicle Pick-up Location
- Pick-up Location Category (OK, Flagged, Outside, Blacklisted)
- Company
- Vehicle
- Group
- Standard Fob” or “Exception FOB” (Porta-Potty)

## Unload Details by:

- Site
- Vehicle
- Company
- Group
- “Standard Fob” or “Exception FOB” (Porta-Potty)

## OUR PARTING WORDS

Progress is impossible  
without change, and  
those who cannot change  
their minds cannot  
change anything.

GEORGE BERNARD SHAW



# Contact Information



**GET IN TOUCH!**

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