



Categories



Wastewater Management System

OVERVIEW

DMC developed two programs for waste water treatment facilities. One of the programs communicates with a PLC used to control access to the facility and transfers information from the PLC to a database. The other program allows for report generation and account management.

CUSTOMER BENEFITS

- Lower operating costs for the facilities by automating previously manual operations.
- Easy report generation for account management and billing
- Ease of use

Below: Sample Report

Chicago Wastewater

Septic Hauler Usage Summary

Header	Time Period Start	Quantity	Waste Type	Cost	Test1	Test2	Test3
Company1	11-Jul-2001	70	Product1	0	20	8	0
Total	11-Jul-2001	70	0	39	8	8	
Company2	11-Jul-2001	90	Product1	4800	0	8	0
Total	11-Jul-2001	90	4800	8	8	8	
Company3	12-Jul-2001	80	Product1	4800	0	8	0
Company2	10-Jul-2001	90	Product2	450	0	8	0
Total	11-Jul-2001	170	5250	8	8	8	
Company4	11-Jul-2001	10	Product2	260	0	8	0
Total	11-Jul-2001	10	260	8	8	8	
Company5	12-Jul-2001	0	Product1	0	0	8	0
Total	11-Jul-2001	0	0	8	8	8	

Company Information:

Company Name: [Company1]
 Address: [Add1 C1]
 [Add2 C1]
 [Add3 C1]
 Phone: [555.123.4567]

Account Information:

Account Number: [1]
 Pin Number: [1111]

Sampling:

☐ Collect Samples
 Sampling Frequency: [5]

Current Prices:

Waste	Cost
Product1	10
Product2	20
Product3	30
Product4	40
Product5	50

Ready, Connected to database. CAPS INS 12:31 PM

Above: operator interface screen

HARDWARE/SOFTWARE

- Microsoft Visual Basic®
- Microsoft Access® database
- Allen Bradley SLC 5/03
- OPC Servers
- Rockwell RSView® and RSLinx®
- ADO/OLE DB
- Client/Server database development

SYSTEM DESCRIPTION

DMC developed two programs for a client who sold panels to waste water treatment facilities. These panels regulated customer access to the waste water facility and tracked facility usage for billing purposes. One of programs developed by DMC communicates with the PLC, manages customer accounts, and transfers information, such as account useage, from the PLC to an Access database file. The other program allows for report generation based on information in the database, allows accounts to be added and managed, and prices to be set.