

Scada System Knockharley Landfill

Supervisory control and data acquisition

Knockharley Landfill scada system shows live data from varies systems around knockharley Landfill

Weather data live, Storm water Inlet Data, Landfill Cells, Diesel tank, Wetland inlet

Please see Scada Manual for more information

OVERVIEW

Supplier Information

Advise when Override Active

Title Bar

Current Time on PC

info **Override Condition is Currently Active** **Knockharley Landfill Site** 01/12/2004 3:06:34 PM Help

Weather Station Diesel Tank Leachate Lagoon Storm Water Inlet Wetland Inlet V.O.C

Cell: 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

View this Manual

Please make a selection

Opening Screen advises Operator to make a selection

Exit Application

Print Current Screen

Alarm Line Banner

View Full Alarm List

View Alarms

Weather Station

Supplier Information

Navigate to this Screen

Request to Display this Trend below

Current Wind Direction

Animated Wind Direction

Current Net Radiation

Navigaiton Controls

Display of Active Trend Data

Exit Application

info Knockharley Landfill Site 11/30/04 10:43:00 AM Help

Weather Station Diesel Tank Leachate Lagoon Storm Water Inlet Wetland Inlet V.O.C

Cell: 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Weather Station

TREND Wind Speed 0.0 m/sec

TREND Temperature 0.0 °C

TREND Wind Direction 0 degrees

TREND Humidity 0.0 %

TREND Atmospheric Pressure 0.0 mBars

TREND Precipitation Count 0.0 mm

Speed (m/sec)

11/30/04 1:18 AM 7:03 AM 12:47 PM 6:32 PM 12:16 AM 6:01 AM 11:45 AM 5:30 PM 11:14 PM 4:58 AM 10:43 AM

View Alarms

View this Manual

Current Temperature

Current Humidity

Current Atmospheric Pressure

Current Precipitation Count

View Full Alarm List

Print Current Screen

Alarm Line Banner

Diesel Tank

Supplier Information

Navigate to this Screen

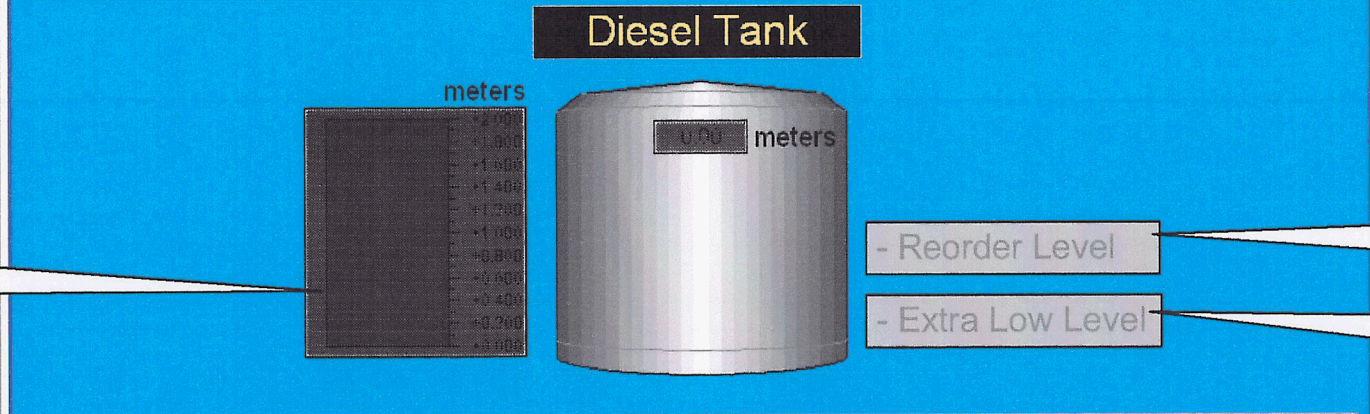
info Knockharley Landfill Site 11/30/2004 10:53:27 AM Help

Weather Station Diesel Tank Leachate Lagoon Storm Water Inlet Wetland Inlet V.O.C

Cell: 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

View this Manual

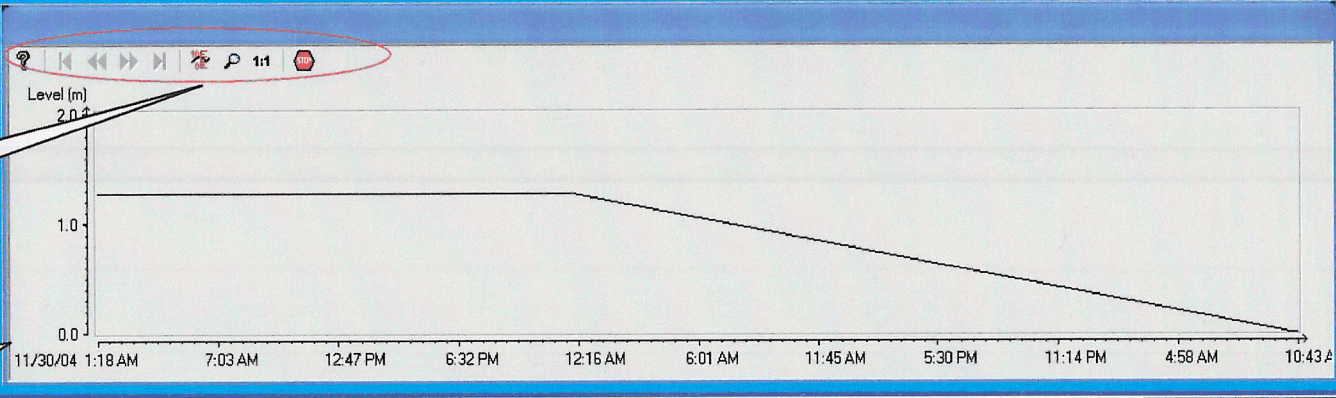
Current Tank Level Bargraph



Appears and Flashes when appropriate

Appears and Flashes when appropriate

Naviagation Controls



Display of Active Trend Data

View Full Alarm List

Exit Application

Print Current Screen

Alarm Line Banner

View Alarms

Leachate Lagoon

Description Label of Cell

Navigate to this Screen

Pump Status (Grey=OFF) (Green=ON)

Red Bar Indicates Critical Level

Remote Control of Pump Start/Stop/Clear (Note: 'Start' is via Password only)

Select Trend To View

Navigaiton Controls

Display of Selected Trend Data

Exit Application

Info Knockharley Landfill Site 11/30/04 10:54:27 AM Help

Weather Station Diesel Tank **Leachate Lagoon** Storm Water Inlet Wetland Inlet V.O.C

Cell: 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Leachate Lagoon

Inlet Flow Rate: 0.0 L/sec
Inlet Flow Count: 0 m3

Recirc Flow Rate: 0.0 L/sec
Recirc Flow Count: 0 m3

Level 0.00 meters

Pump Status
Automatic
Running
Trip Reset
Override
START
STOP
CLEAR ALL

Scheduled Sampling
midnight noon
pick: 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
now: 00

Trend
1 - LEVEL
2 - INLET FLOW
3 - RECIR FLOW

Level (m)
1.0
0.0

11/30/04 1:28 AM 7:13 AM 12:57 PM 6:42 PM 12:26 AM 6:11 AM 11:55 AM 5:40 PM 11:24 PM 5:08 AM 10:53 AM

View Alarms

View this Manual

Current Inlet Flow Rate/ Flow Count

Current Recirc Flow Rate/ Flow Count

Request Sample Immediately (Goes green During request)

Operator may Select which Hour(s) to take samples

Indication of Current Hour

View Full Alarm List

Print Current Screen

Alarm Line Banner

Storm Water Inlet

Navigate to this Screen

Knockharley Landfill Site 12/30/2004 10:56:41 AM [Help](#)

Weather Station Diesel Tank Leachate Lagoon **Storm Water Inlet** Wetland Inlet V.O.C

Cell: 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Storm Water Inlet

Attenuation Pond

Cond:	00	us
PH:	00	PH
TOC:	00	mg/l
Temp:	00	'C

0.00 meters

To Wetland

Trend

1 - LEVEL 2 - COND 3 - PH 4 - TOC 5 - TEMP

Level (m)

11/30/04 1:28 AM 7:13 AM 12:57 PM 6:42 PM 12:26 AM 6:11 AM 11:55 AM 5:40 PM 11:24 PM 5:08 AM 10:53 AM

[View Alarms](#)

View this Manual

Current Level In Attenuation Pond

Process Information

Select Trend To View

Naviagation Controls

Display of Selected Trend Data

Exit Application

Print Current Screen

Alarm Line Banner

View Full Alarm List

Wetland Inlet

Navigate to this Screen

Process Information

Pump Status (Grey=OFF) (Green=ON)

Remote Control of Pump Start/Stop/Clear (Note: 'Start' is via Password only)

Select Trend To View

Navigaiton Controls

Display of Selected Trend Data

Exit Application

View this Manual

Valve Status (Grey=OFF) (Green=ON)

Remote Control of Valve Start/Stop/Clear (Note: 'Start' is via Password only)

Active Flow Count

View Full Alarm List

Print Current Screen

Alarm Line Banner

Cell 04

Navigate to this Screen

The screenshot displays the 'Cell 04' control interface. At the top, there is a navigation menu with buttons for 'Info', 'Weather Station', 'Diesel Tank', 'Leachate Lagoon', 'Storm Water Inlet', 'Wetland Inlet', and 'V.O.C'. A 'Cell: 01-24' selector is present, with '04' highlighted. Below the menu, the 'Knockharley Landfill Site' title is shown. The main area features a 3D bargraph of a cell with a level indicator showing '0.0 m'. To the right, a 'Level' bargraph shows a scale from +0.50 to +3.00. Below this, 'Flow Rate: 0.0 L/sec' and 'Flow Count: 0 Litres' are displayed. A 'Pump Status' panel includes 'Automatic', 'Running', 'Trip', and 'Reset' buttons, along with 'START', 'STOP', and 'CLEAR ALL' buttons. A 'Trend' section shows '1 - LEVEL' and '2 - FLOW' options. At the bottom, there is an 'Alarm Line Banner' and a 'View Alarms' button.

View this Manual

Bargraph Indication of Cell Level

Indication of Pump Status (Note: 'Start' is via Password only)

Current Flow Rate/Flow Count

View Full Alarm List

Pump Status (Grey=OFF) (Green=ON)

Remote Control of Pump Start/Stop/Clear (Note: 'Start' is via Password only)

Select Trend To View

Navigaition Controls

Display of Selected Trend Data

Exit Application

Print Current Screen

Alarm List

The screenshot shows the 'Alarm List' interface for the 'Knockharley Landfill Site'. At the top, there is a navigation bar with 'info', 'Weather Station', 'Diesel Tank', 'Leachate Lagoon', 'Storm Water Inlet', 'Wetland Inlet', and 'V.O.C'. A 'Help' button is located on the right. Below this is a 'Cell:' row with buttons numbered 01 to 24. The main area is titled 'Alarm Window' and contains a table with columns: Date, Time, Status, Area, Message text, Alarm Code, and Tag. The table is currently empty. At the bottom, there is a status bar with a date and time (12/2/2004 11:24 AM (LOC)), a 'KEY:' section with three lines of text, a 'Press to Reset Alarm' button, a 'NOTE: Alarms will only "Reset" if site fault condition is cleared' message, and a 'View Alarms' button. Callouts point to various elements: 'View this Manual' points to the 'Help' button; 'List of Active Alarms' points to the table; 'Key to Display Status' points to the 'KEY:' section; 'Exit Application' points to the bottom-left icon; 'Print Current Screen' points to the printer icon; 'Request to Reset Current Alarms' points to the 'Press to Reset Alarm' button; 'Alarm Line Banner' points to the 'NOTE' message; and 'Navigate to this Screen' points to the 'View Alarms' button.

info Knockharley Landfill Site 12/2/2004 11:24 AM Help

Weather Station Diesel Tank Leachate Lagoon Storm Water Inlet Wetland Inlet V.O.C

Cell: 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Alarm Window

Date	Time	Status	Area	Message text	Alarm Code	Tag
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12/2/2004 11:24 AM (LOC)

KEY:
New Alarm Detected
Alarm has been Acknowledged, but not cleared yet
Alarm Condition Cleared, but not Acknowledged yet

Press to Reset Alarm

NOTE: Alarms will only "Reset" if site fault condition is cleared

View Alarms

View this Manual

List of Active Alarms

Key to Display Status

Exit Application

Print Current Screen

Request to Reset Current Alarms

Alarm Line Banner

Navigate to this Screen