

21.0 STATION HISTORY

Station History: Station History is a report that shows individual station irrigation information for a selected controller. Each controller's stations are reported on using a date range. This report allows you to select from 1 to 30 entries for all of the controller's stations.

1. From the toolbar at the top of the screen select **Diagnostic Reports** then scroll down to **Station History** and click on it (Figure 21.0.1).

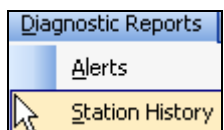


Figure 21.0.1

Note: This will take you to the "Station History" screen (Figure 21.0.2).

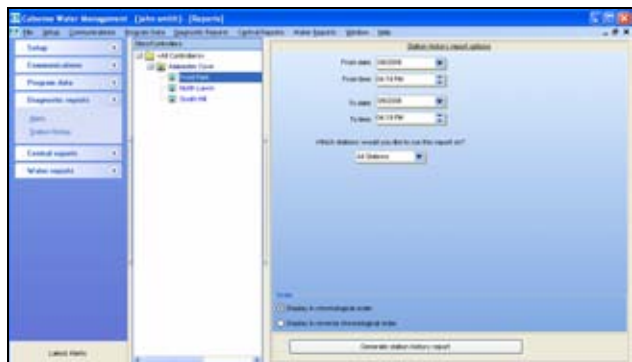


Figure 21.0.2

2. Next Click on a controller from your controller list to highlight it (Figure 21.0.3).

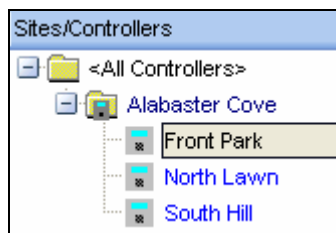


Figure 21.0.3

Date range: This allows you to select a range of time using a **From date / to Date** and a **From Time / to Time** (Figure 21.0.4).

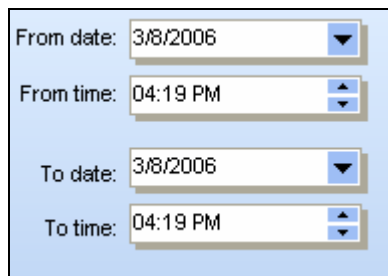


Figure 21.0.4

From date: The date can be altered by clicking on the **DOWN** arrow to the right of the **From date** box (Figure 21.0.5).

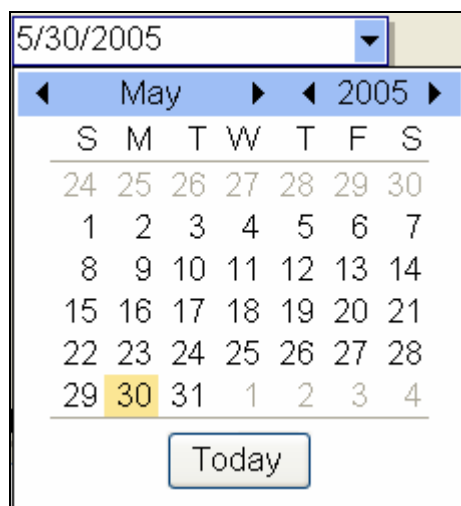


Figure 21.0.5

Note: Use the **BLACK** arrows to adjust the **MONTH** and **YEAR** or click on the **Today** button to set the date for today's date.

1. Next click on the "Which stations would you like to run this report on?" box (Figure 21.0.6).

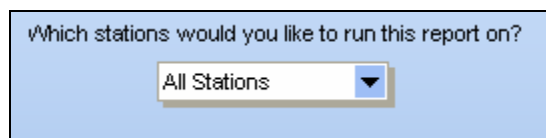


Figure 21.0.6

Note: You can select from the following choices:

All Stations: This will allow you to run the report on every station assigned in this controller.

Station (x): This will allow you to select an individual station to run the report on.

- Next decide on which order you want the Station History to appear. Click on the appropriate button in the “Order” section (Figure 21.0.7).

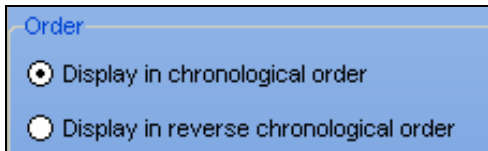


Figure 21.0.7

Display in chronological order: This will display the alerts from oldest to newest by date.

Display in reverse chronological order: This will display the alerts from newest to oldest by date.

- Click on the **Generate station history report** button to view the “Station History” report (Figure 21.0.8).



Figure 21.0.8

21.1 STATION HISTORY REPORT

Note: This will take you to the “Station History” screen (Figure 21.1.1).

Station Name	Program	Repeats	Prepared (Min)	Applied (Min)	Applied (Max)	Applied (Setback)	High Limit (gpm)	Flow (gpm)	Low Limit (gpm)	Hold Over (Min)	Wetness Sensor	Date
Station 2	ST0902085 12:08 AM	A	1	2.6	2.9	77	0.03	0	---	0	0	7/11/2009 12:08 AM
	ST0902085 12:22 PM	B	17	40.9	16.6	77.0	0.31	0	---	0	0	7/11/2009 12:22 PM
Station 4	ST0902085 4:01 AM	D1	2	11.3	11.3	56	0.37	0	---	0	0	7/11/2009 4:01 AM
	ST0902085 4:01 AM	D1	2	11.3	11.3	56	0.37	0	---	0	0	7/11/2009 4:01 AM
	ST0902085 2:22 AM	D1	2	11.4	11.4	57	0.37	0	---	0	0	7/11/2009 2:22 AM
	ST0902085 11:14 PM	A	1	2.6	2.9	77	0.03	0	---	0	0	7/11/2009 11:14 PM
Station 6	ST0902085 12:24 PM	B	5	8.2	8.4	47	0.31	0	---	0	0	7/11/2009 12:24 PM
	ST0902085 11:14 PM	D1	8	65.0	66.6	3,495	0.88	0	---	0	0	7/11/2009 11:14 PM
Station 8	ST0902085 11:01 PM	D1	8	66.1	68.0	3,505	0.88	0	---	0	0	7/11/2009 11:01 PM
	ST0902085 11:14 PM	D1	8	59.7	59.7	3,502	0.88	0	---	0	0	7/11/2009 11:14 PM
	ST0902085 12:12 AM	A	1	2.6	3.0	150	0.03	0	---	0	0	7/11/2009 12:12 AM
	ST0902085 12:22 PM	B	17	40.9	32.0	2,000	0.50	0	---	0	0	7/11/2009 12:22 PM
Station 8	ST0902085 12:22 AM	D1	3	52.8	52.9	3,547	0.95	0	---	0	0	7/11/2009 12:22 AM
	ST0902085 12:22 AM	D1	3	83.6	83.5	3,889	0.66	0	---	0	0	7/11/2009 12:22 AM
	ST0902085 12:24 AM	D1	1	34.9	34.9	4,122	0.95	0	---	0	0	7/11/2009 12:24 AM
	ST0902085 12:24 PM	B	1	2.6	2.9	127	0.03	0	---	0	0	7/11/2009 12:24 PM

Figure 21.1.1

SEE “HOW TO PRINT REPORTS” SECTION FOR MORE INFORMATION.

SEE LAST PAGE OF THIS SECTION FOR FULL PAGE REPORT.

21.2 STATION HISTORY REPORT CONTENTS

The following is a list of every item on the “Station History” Report (Figure 21.1.1).

Date and Time: This shows the date and time that you requested the report. If you decide to print the report this gives you a way in which to file chronologically.

Site Name: Each Site name will appear to the left of the list in regular font.

Controller Name: The controller names will be listed directly under the Site that they are a part of. They will appear in alpha-numeric sequence and are in regular font.

Start Date / Time: This is the Date and Time that the 1st irrigation cycle occurred.

Program: This is the program that this station is currently assigned.

Repeats: This is how many cycles of irrigation this station ran.

Programmed (min): This is the total programmed minutes for this station.

Applied (Min): This is the actual minutes of applied irrigation for this station.

Applied (Gal): This is the actual amount of gallons applied by this station.

Applied (inches): This is the total amount of inches of water applied by this station.

High Limit (gpm): This is the limit that you have set for this station to trigger a high flow alert.

Flow (gpm): This is the actual flow for this particular station.

Low Limit (gpm): This is the limit that you have set for the station to trigger a low flow alert.

Hold Over (min): These are the Hold Over minutes that currently exist on this station due to crossing a stop time..

Moisture Sensor Set last Reading: This is the number that the moisture sensor read at during the last irrigation cycle.

FLAG: These are the alert flag letters. See the Flag letter chart at the end of this section for more information.

Flag Legend: This is a brief description of each flag letter see the Flag letter chart at the end of this section for more information.

Moisture Sensor Reading legend: This is a brief description of each Moisture Sensor reading code.



95%
2
Close

Print Current Page

Station History July 11, 2005 12:21 PM

Alabaster Cove

Front Park 576 h

Start Date/Time	Program	Repeats	Programed (Min)	Applied (Min)	Applied (Gal)	Applied (Inches)	High Limit (gpm)	Flow (gpm)	Low Limit (gpm)	Hold Over (Min)	Moisture Sensor Set	Moisture Sensor Last Reading	FLAG
<hr/>													
Station 5													
07/08/2005 12:08 AM	A	1	2.0	2.0	77	0.03	0	---	0	0			
07/08/2005 12:20 PM	B	17	40.9	18.5	712	0.31	0	---	0	0			
<hr/>													
Station 6													
07/05/2005 4:01 AM	D1	2	11.2	11.2	56	0.37	0	---	0	0			
07/06/2005 4:01 AM	D1	2	11.3	11.3	56	0.37	0	---	0	0			
07/07/2005 3:22 AM	D1	2	11.4	11.4	57	0.37	0	---	0	0			
07/08/2005 12:10 AM	A	1	2.0	2.0	10	0.06	0	---	0	0			
07/08/2005 12:24 PM	B	5	8.2	9.4	47	0.31	0	---	0	0			
<hr/>													
Station 7													
07/04/2005 11:14 PM	D1	8	55.6	55.6	3,495	0.88	0	---	0	0			
07/05/2005 11:07 PM	D1	8	56.1	56.0	3,520	0.88	0	---	0	0			
07/06/2005 11:14 PM	D1	8	56.7	56.7	3,562	0.90	0	---	0	0			
07/08/2005 12:12 AM	A	1	2.0	2.0	125	0.03	0	---	0	0			
07/08/2005 12:22 PM	B	17	40.9	32.0	2,000	0.50	0	---	0	0			
<hr/>													
Station 8													
07/05/2005 1:22 AM	D1	3	52.9	52.9	3,647	0.55	0	---	0	0			
07/06/2005 1:22 AM	D1	3	53.5	53.5	3,688	0.55	0	---	0	0			
07/07/2005 12:53 AM	D1	3	54.0	54.0	3,722	0.56	0	---	0	0			
07/08/2005 12:14 AM	A	1	2.0	2.0	137	0.02	0	---	0	0			
07/08/2005 12:23 PM	B	16	39.0	31.0	2,123	0.32	0	---	0	0			

Flag Legend:

'S' = Short Circuit	'C' = Controller Off	'W' = No Water	'M' = Moisture Sensor Caused Cycle Skip
'F' = No Current	'L' = Low Flow	'R' = Rain Switch	'X' = Moisture Sensor Max Water Days Set
'C' = Low Current	'H' = High Flow	'T' = Normal Stop Time	'V' = Master Valve Override
'F' = High Current	'U' = Flow Not Checked	'D' = Mainline Break	'A' = Tailends Adjustment

Moisture Sensor Reading Legend:

'-'	= Reading Never Taken
'R'	= Reading Out Of Range
'F'	= No Filtered Reading
'G'	= Signal Never Went Away
'O'	= Reading Not Put In Line 's'

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Flag Letter Definitions For Controller

LETTER	DESCRIPTION	DEFINITION
S	Short Circuit	During normally scheduled irrigation or during scheduled manual hold over a short circuit was detected. The valve is turned off and the remaining irrigation time is thrown away. At the next scheduled irrigation the valve will try again.
O	No Current	During normally scheduled irrigation or during scheduled manual hold-over, an open circuit was detected. This is a passive alert. The valve stayed on and completed its irrigation.
C	Low Current	A low current situation was detected. Not yet implemented or used.
I	High Current	A high current situation was detected. Not yet implemented or used.
A	Tail Ends Adjustment	During normally scheduled irrigation or during scheduled manual hold-over, the Tail-Ends adjustment caused a portion of the scheduled time not to run. The time to irrigate was less than 5% of the cycle time. (FYI: When the residual time is between 5% & 20% of the cycle time it is evenly divided up among the cycles that do run.)
L	Low Flow	During normally scheduled irrigation or during scheduled manual hold-over, flow was tested and this valve failed the LOW FLOW test. The action taken is controlled by the Alert Actions settings.
H	High Flow	During normally scheduled irrigation or during scheduled manual hold-over, flow was tested and this valve failed the HIGH FLOW test. The action taken is controlled by the Alert Actions settings.
U	Flow Not Checked	For one reason or another flow could not be checked during one of the cycles that this station ran during normally scheduled irrigation or during scheduled manual hold-over. In field service mode you will get an elaborate alert detailing the conditions that could prevent flow from being checked.
W	No water	The scheduled programmed irrigation did not apply any time for this station because NO WATER days were set.
R	Rain switch	The RAIN SWITCH caused the programmed irrigation to cut short or to not be applied at all. In addition whenever a RAIN BUCKET causes programmed irrigation to be affected (either through polling or sharing) this flag is set. So it's a dual use flag: used to indicate Rain Switch and Rain Bucket activities. This flag will be set if the above rain events occur during scheduled manual hold-over.
B	Main Line Break	A MAINLINE BREAK affected the programmed irrigation. Either it did not start or it was cut short when the mainline break occurred. This flag will be set if the mainline break occurs during scheduled manual hold-over.



T	Normal Stop Time	During normally scheduled programmed irrigation, we crossed the HOLD OVER time. The irrigation was terminated and the remaining time was added to the hold-over for that station. This flag is set during manually scheduled hold-over if during that activity we hit the manual hold-over STOP TIME .
F	Controller Off	The normally scheduled programmed irrigation did not apply any time for this station because the controller was set to OFF . This flag will be set if the controller is turned OFF in the middle of applying normally scheduled irrigation or scheduled manual hold-over.
M	Moisture Sensor Caused Cycle Skip	The MOISTURE SENSOR caused the programmed irrigation or scheduled hold-over time to be cut short. A number of cycles did not irrigate because the moisture sensor reading was equal to or above the set point. Anywhere from one cycle to all of the scheduled cycles may be curtailed. This flag is set in the master station as well as all of his slaves.
X	Moisture Sensor Max water Days Set	While using moisture sensing, MAX WATER was set causing this station to irrigate all of its normally scheduled irrigation- regardless of what the moisture sensor said to do.
V	Master Valve Override	The master valve was closed using MASTER VALVE OVERRIDE . This master valve closure either prohibited the normally scheduled irrigation from occurring or it interrupted it. This flag will be set if the master valve is closed using master valve override during scheduled manual hold-over.

Flag Letter Definitions For Moisture sensors

LETTER	DESCRIPTION	DEFINITION
---	Reading Never Taken	This means the "Moisture sensor in use block" in Program Data is checked but the program in the "Use Moisture Sensor in the following program" block using this station is not checked for moisture sensor usage.
R**	Reading Out Of Range	This means the reading the controller received from the Moisture Sensor was out of the realm of 0-100 therefore out of range.
F**	No Filtered Reading	Hardware problem with the controller / moisture sensor / or field wiring
S**	Signal Never went Away	Hardware problem with the controller.
O--	Reading Not Put In Line Yet	This means that there is a Moisture Sensor assigned to this station via a program, but has not yet taken a reading.

Empty rectangular box for station history notes.

