

Hydrant

Usage

Table of Contents

Introduction	2
Hydrant Entry Screen	2
Hydrant Graph	3
Hydrant Inspection History	4
Notes	5
Work Orders	5
Hydrant Inspection Batch Entry System	6

Introduction

This chapter describes how to use the hydrant module. Accessing the hydrant module is done by clicking on the hydrant icon. This brings up the hydrant list. Refer to the Find Hydrants for search criteria.

Hydrant Entry Screen

The hydrant entry screen is broken up into several sections:

- General Information.
- Flow Data: Size and Type.
- Flow Data: Pressure Info and Graph.
- Hydrant Inspection History.
- Notes.
- Service History.
- Work Orders.

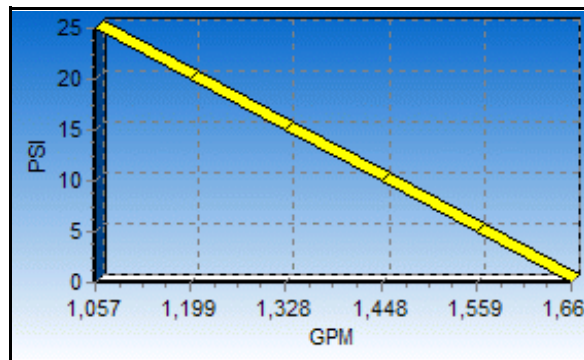
The following table describes each field.

Section	Field	Description	Comments	Example
General Information	Hydrant Number	Hydrant number assigned to the hydrant.	This field needs to be unique.	H021
General Information	Hydrant Status	Status of hydrant	Use the pick list.	Online
General Information	Type	Type of hydrant	Use the pick list.	Hydrant
General Information	Street Number	Nearest street number to the hydrant location.	Enter the street number of the nearest address in the space provided.	10
General Information	Street	Street the hydrant is on.	Use the pick list to select a street name.	MAIN ST
General Information	Cross Street	Nearest cross street to the hydrant.	Use the pick list to select a street name.	ELM ST
General Information	Verbal Location	Verbal description of where the hydrant is located.	Enter a verbal location in the space provide. This field will be displayed in the dispatch system.	IFO 10 Main Street.
General Information	District	District the hydrant is located in.	Use the pick list. This pick list is maintained in the incident reporting system.	10
General Information	Box Code	Box or response the hydrant is located in.	Use the pick list. This pick list is maintained in the preplan system.	100
General Information	Latitude	Decimal latitude.	Enter the latitude in the space provided.	43.232100
General Information	Longitude	Decimal longitude.	Enter the longitude in the space provided.	-82.232100
Size and Type	NFPA Class	Self explanatory	Use the pick list.	AA
Size and Type	Number of Outlets	Self explanatory	Enter the number of outlets.	1
Size and Type	Main Size	Self explanatory	Size in inches	8
Size and Type	Gate/Outlet Size	Self explanatory	Size in inches	2.5

Size and Type	Steamer Size	Self explanatory	Size in inches	4
Flow Data	Static Pressure	Self explanatory	Pounds per square inch.	44
Flow Data	Residual Pressure	Self explanatory	Pounds per square inch.	33
Flow Data	Pitot Pressure	Self explanatory	Pounds per square inch.	22
Flow Data	Outlet Size Used	Self explanatory	Inches	2
Flow Data	Coefficient	Self explanatory	Less than 1, usually 0.90.	0.90
Flow Data	Flow Rate	Self explanatory	Gallons per Minute	787.02
Flow Data	@ 0 PSI	Self explanatory	Gallons per Minute	1,669.00 gpm
Flow Data	@ 20 PSI	Self explanatory	Gallons per Minute	1,169.00 gpm
Flow Data	As of	Date of last flow test.	Enter the last flow test date in the space provided.	12/14/2007

Hydrant Graph

Press the refresh button to refresh the graph after you have enter the flow data.



Hydrant Inspection History

Select this tab to enter the hydrant inspection history. Press the new button to bring up the Hydrant Inspection Entry screen.

Field	Description	Comments	Example
Date	Date of the inspection	Enter the date of the inspection in the space provided.	12/10/2009
Inspector	Primary Inspector	Use the pick list to select the personnel involved.	1002
Type	Type of action for inspection	Use the pick list to select the type. The type is maintained in the hydrant setup.	Flush and Lube
Description	Description of the action.	This is in addition to the type. It is free form text.	Sample text
Labor Hours	Amount of time action took.	Enter the length the action took.	0.5
Total Cost	Cost of the work done, if applicable.	Enter the cost in the space provided.	60.00
Vendor	The vendor that did the work.	Use the pick list to select the vendor from the list of vendors.	Waterways Testing Service.
Static Pressure	Static Pressure Reading at time of inspection.	Enter the pressure reading in the space provided.	120
Residual Pressure	Residual Pressure Reading at time of inspection.	Enter the pressure reading in the space provided.	30
From Outlet #	The outlet # the test was done.	Enter the outlet # in the space provided.	1

Notes

Select this tab to edit the notes.

Work Orders

Select this tab to review, edit, and delete work orders. Refer to the work order module for instructions on how this module works.

Hydrant Inspection Batch Entry System

The Hydrant Inspection Batch System (HIBS) is used for entering one hydrant inspection action for several hydrants. Follow these steps to utilize the HIBS.

1. Log on as a user that has access to the hydrant setup.
2. Select the drop down arrow next to the main Hydrant icon.
3. Select the Batch Inspection Entry. This will bring up the HIBS screen. This screen has several fields filled in for the example.

The screenshot displays the 'Hydrant Inspection System' window. The 'Hydrant Query' section on the left includes fields for Street (PELICAN), District (40), Box Code, and Type (1). A 'Refresh Hydrant List' button is present. Below the query fields are instructions: 1. Enter search criteria and press the Refresh Hydrant List. 2. Check off the hydrants that apply. 3. Enter the Hydrant Inspection Data fields. 4. Press the Create Hydrant Inspections for Select Hydrants button to generate the hydrant inspection records for the checked off hydrants.

The 'Hydrant Inventory' table on the right lists hydrants with columns for Hydrant#, Location, District, Box Code, Last Done, and Type. Hydrant 10-088 is selected.

Hydrant#	Location	District	Box Code	Last Done	Type
<input type="checkbox"/>	10-072 S SIDE OF PHIL	40	010	11/20/2008	FLUSH & LUBE
<input type="checkbox"/>	10-073 6060 PELICAN BAY BLVD	40	010	11/29/2008	FLUSH & LUBE
<input type="checkbox"/>	10-075 5801 PELICAN BAY BLVD	40	010	11/26/2008	FLUSH & LUBE
<input type="checkbox"/>	10-076 5801 PELICAN BAY BLVD	40	010	12/08/2008	FLUSH & LUBE
<input type="checkbox"/>	10-077 5811 PELICAN BAY BLVD	40	010	11/26/2008	FLUSH & LUBE
<input type="checkbox"/>	10-078 Nw CORNER	40	010	11/26/2008	FLUSH & LUBE
<input type="checkbox"/>	10-079 5950 PELICAN BAY BLVD	40	010	11/26/2008	FLUSH & LUBE
<input type="checkbox"/>	10-085 5964 PELICAN BAY BLVD	40	010	12/08/2008	FLUSH & LUBE
<input type="checkbox"/>	10-087 5950 PELICAN BAY BLVD	40	010	12/08/2008	FLUSH & LUBE
<input checked="" type="checkbox"/>	10-088 6000 PELICAN BAY BLVD	40	010	11/29/2008	FLUSH & LUBE
<input type="checkbox"/>	10-093 6001 PELICAN BAY	40	010	11/29/2008	FLUSH & LUBE
<input type="checkbox"/>	10-090 6075 PELICAN BAY BLVD	40	010	11/29/2008	FLUSH & LUBE
<input type="checkbox"/>	10-091 6075 PELICAN BAY BLVD	40	010	11/29/2008	FLUSH & LUBE
<input type="checkbox"/>	10-092 6040 PELICAN BAY BLVD	40	010	11/29/2008	FLUSH & LUBE
<input type="checkbox"/>	10-093 6141 PELICAN BAY BLVD	40	010	11/29/2008	FLUSH & LUBE
<input type="checkbox"/>	10-096 6251 PELICAN BAY BLVD	40	010	12/08/2008	FLUSH & LUBE
<input type="checkbox"/>	10-139 NORTH OF VIA LUGANO	40	010	11/26/2008	FLUSH & LUBE
<input type="checkbox"/>	10-140 6140 Pelican Bay Blvd	40	010	11/29/2008	FLUSH & LUBE
<input type="checkbox"/>	10-141 6101 Pelican Bay Blvd	40	010	12/08/2008	FLUSH & LUBE
<input type="checkbox"/>	10-147 6040 Pelican Bay Blvd	40	010	11/29/2008	FLUSH & LUBE
<input type="checkbox"/>	10-148 6080 Pelican Bay Blvd	40	010	11/29/2008	FLUSH & LUBE
<input type="checkbox"/>	10-161 6000 PELICAN BAY BLVD	40	010	11/29/2008	FLUSH & LUBE
<input type="checkbox"/>	15-006 NORTH OF SAN MARINO	40	015	12/18/2008	FLUSH & LUBE

The 'Hydrant Inspection Data' section includes fields for Date (10/15/2010), Inspector (100 MOYER), Type (1 FLUSH & LUBE), and Description (Clean Opener). A 'Create Hydrant Inspections for Select Hydrants' button is located below.

The 'Hydrant Inspection History for 3256' table shows a list of inspections:

Date	Done By	Inspection Type	Description
10/14/2010	227	PAINTED	
11/29/2008	097	FLUSH & LUBE	FLOWED AND LUBED.
02/20/2007	230	MAPPED	MAPPED
01/20/2007	068	FLUSH & LUBE	FLOWED AND LUBED.

Buttons for 'New', 'Edit', 'Delete', 'Find Hydrant', and 'Close' are visible at the bottom.

4. Enter the fields in the Hydrant Query. The Street, District, and Box Code are used to filter the hydrant list. Enter the type to filter the **Last Done** and **Type** column. This example only shows the last time a **Flush and Lube** has been done. Press the **Refresh Hydrant List** button to submit the query.
5. Fill in the fields in the Hydrant Inspection Data box.
6. Check off all of the hydrants that the action was performed on.
7. Press the **Create Hydrant Inspection for Select Hydrants** button. Observe how the **Last Done** and **Type** columns are updated.