

Houston Fire Department Hydrant Division

ImageTrend Hydrant Manual

April 2019

Hydrant testing is done by HFD for a number of reasons. It is important to know where hydrants are in a station territory, and it is a crucial element of planning for water supply. Hydrant testing is a life safety job.

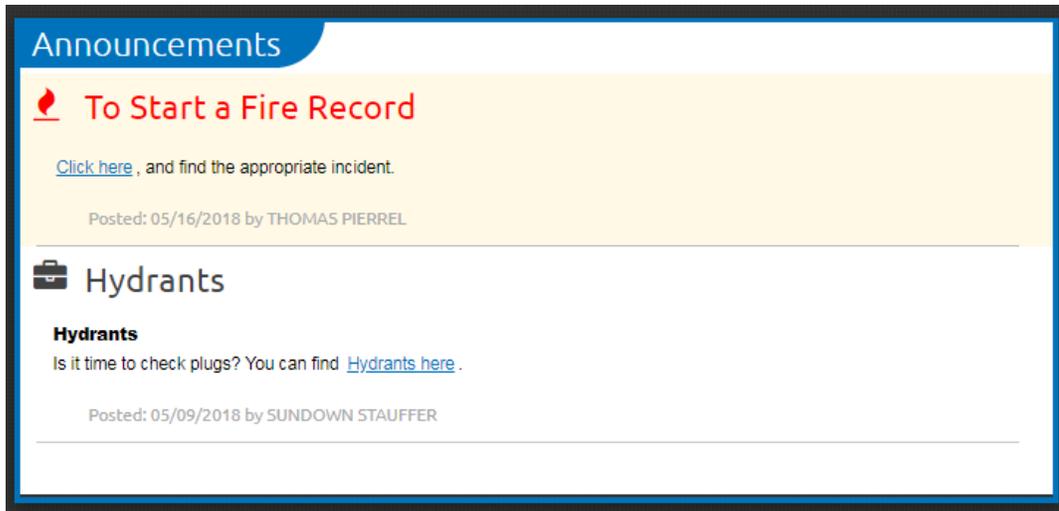
This manual covers how to search for and enter tests for hydrants in ImageTrend Elite. For more information about hydrants, logging in, locked accounts, or other record problems, go to the Help Website at www.HFDhelpteam.com. For administrative questions about hydrant policy, you can contact Chief Rose Arenas of the HFD Hydrant Division. Chief Arenas can be contacted at Rosamaria.Arenas@houstontx.gov, or 832-393-2902. Finally, to follow up on a defect report, or find out the status of a repair, continue to use the email HFD.FireHydrants@houstontx.gov.

LOGGING IN

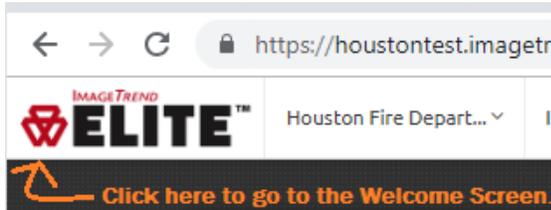
To get started on the test site, double click the red Elite Web icon and go to the login screen. If this is your first time logging into ImageTrend, your account may be locked. Call the Help Line for assistance.

GOING TO THE HYDRANT MODULE

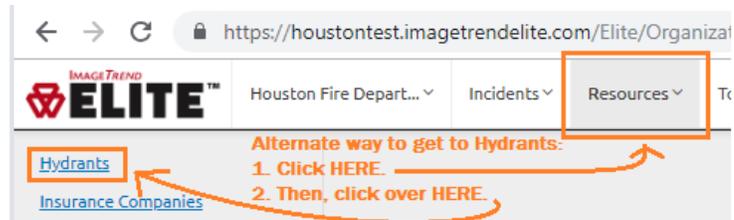
After you log in and click the privacy notice, you should see the Welcome Screen:



Click the link to go to the Hydrant Module.



PRO TIP: You can get back to the Welcome Screen at any time by clicking the ImageTrend ELITE button at the top left. Another way to get to the Hydrant Module is by clicking Resources at the top and then clicking on Hydrants.



THE HYDRANT MODULE MAIN SCREEN

The screenshot shows the 'Hydrants' module main screen. At the top, there is a search bar (1) with a 'Go' button (6). Below the search bar are filter options for Section or District (2), Station (3), Shift (4), and Next Test Date (5). A 'Go' button (6) is also present for these filters. Below the filters are buttons for 'Activate' (10), 'Inactivate', and 'Print' (7). A 'Results Per Page' dropdown (8) is set to 25, and pagination shows '1 - 25 of 66,834' with 'Previous' and 'Next' buttons (9). The main table has columns: Source (10), Hydrant ID (a, 11), Location (b, 11), Cross Street, Section or District (c), Station (d), Shift (e), Out of Service, Last Test Date (f), Next Test Date (g), Active, and a Hydrant Record Page button (12). The table lists three hydrants from the Houston Fire Department.

Source	a. Hydrant ID	b. Location	Cross Street	c. Section or District	d. Station	e. Shift	Out of Service	f. Last Test Date	g. Next Test Date	Active	Hydrant Record Page
Houston Fire Department	1012	7919 DAYTON ST HOUSTON TX 77012		D020	23	A	No	10/1/2017	2/27/2020	Active	+ [Hydrant Icon]
Houston Fire Department	1013	7925 FORD ST HOUSTON TX 77012		D020	23	C	No	7/28/2018	7/28/2019	Active	+ [Hydrant Icon]
Houston Fire Department	132880	16730 LONESOME QUAIL DR HOUSTON TX 77489		D059	80	C	No	8/8/2017	8/8/2018	Active	+ [Hydrant Icon]

- SEARCH BOX:** You can search on any hydrant option here, including Street Name, UFID Number, Station, etc.
- DISTRICT SEARCH:** You can search by District here. To get good results, type the district in 3 characters, like "008". If you type "8" by itself, you'll get District 68 as well.
- STATION SEARCH**
- SHIFT SEARCH**
- NEXT TEST DATE:** This shows all hydrants due for testing in the time selected. You can pick Next 30 Days, Next 60 Days, Next 90 Days, or Pick Date yourself.
PRO TIP: To see all PAST DUE hydrants, use Pick Date, and set the first date to 5 years ago, second date to today's date.
- GO BUTTON:** Click this after you enter your Search options. You can click it any time to refresh the page.
- PRINT BUTTON:** Click here to print out all the hydrants on the screen.
PRO TIP: PRINT will ONLY print as many hydrants as are on Results Per Page. If you have more hydrants than that, change the number of Results Per Page!
- RESULTS PER PAGE:** You can increase this as high as 200 hydrants per page. Change this setting as needed to see and print all the hydrants you will be testing.
- PREVIOUS and NEXT BUTTONS:** Go to the next/previous page of hydrants. If your search turns up 100 hydrants, but your Results Per Page is set to 25, click here to go to the next page. Better idea: Change your Results Per Page to show all 100 hydrants.
- SORTABLE COLUMNS:** You can sort your hydrants by any of these columns.
 - Hydrant ID: This is the UFID Number of the hydrant.
 - Location: The Street Address.
 - District
 - Station
 - Shift
 - Last Test Date: The last time the hydrant was tested.
 - Next Test Date: The due date for the next scheduled hydrant test (normally 1 year from last test).
- HYDRANT RECORD PAGE: Don't click this when doing a test.** Clicking the Hydrant UFID Number will show you the current information for the hydrant, including manufacturer, rated static pressure, and other information.
- NEW HYDRANT TEST BUTTON: Click here to enter a new hydrant test.** This will take you to the screen where you can enter the test data for the hydrant. This will open in a new tab—so you can come back to your hydrant list.

FINDING YOUR HYDRANTS

The easiest way to get started is to put in your (1) Station and (2) Shift, and then set Next Test Date to Within 90 Days. Then click the GO button:

The screenshot shows the 'Hydrants' search interface. At the top, there are filters for 'Station' (18), 'Shift' (A), and 'Next Test Date' (Within 90 Days). A 'Go' button is highlighted with an orange box. Below the filters, there are buttons for 'Activate', 'Inactivate', and 'Print'. The main table displays hydrant data for Houston Fire Department.

Source	Hydrant ID	Location	Cross Street	Section or District	Station	Shift	Out of Service	Last Test Date	Next Test Date	Active
Houston Fire Department	578637	4341 BELL ST HOUSTON TX 77023		D020	18	A	No	4/3/2018	4/3/2019	Active
Houston Fire Department	578714	4700 BELL ST HOUSTON TX 77023		D020	18	A	No	4/3/2018	4/3/2019	Active
Houston Fire Department	578727	4734 BELL ST HOUSTON TX		D020	18	A	No	4/3/2018	4/3/2019	Active

Notice that you have different options under Next Test Date, from 30 to 90 days, or a custom Pick Date. Why do we want to see hydrants due in 90 days, rather than in the next 30 days? The reason is that sometimes we may not have any hydrants due in the next month, but over 100 hydrants in a couple of months! Looking 90 days ahead prevents a station captain from being surprised by a boatload of hydrants (and keeps the DC happy).

The dropdown menu for 'Next Test Date' is shown, with options: 'Within 90 Days', 'All', 'Within 30 Days', 'Within 60 Days', 'Within 90 Days' (highlighted), and 'Pick Date'.

The screenshot shows the 'Hydrants' search interface with filters for 'Station' (26), 'Shift' (D), and 'Next Test Date' (Within 30 Days). The 'Go' button is highlighted. Below the filters, there are buttons for 'Inactivate' and 'Print'. The main table displays the message: "Nothing to worry about, Chief!".

The screenshot shows the 'Hydrants' search interface with filters for 'Station' (26), 'Shift' (D), and 'Next Test Date' (Within 90 Days). The 'Go' button is highlighted. Below the filters, there are buttons for 'Inactivate' and 'Print'. The main table displays hydrant data for Houston TX. A meme featuring Grumpy Cat with the text 'DO NOT WANT' is overlaid on the table.

Hydrant ID	Location	Cross Street	Section or District	Station	Shift	Out of Service	Last Test Date
4015231	HOUSTON TX 77087		D026	26	D	No	6/11/18
4088064	7302 THUROW ST HOUSTON TX 77087		D026	26	D	No	6/11/18

HOW TO SEE ALL YOUR PAST DUE HYDRANTS

You may want to see ALL hydrants that are Past Due in your territory. Here's how:

1. Set your Station and Shift as described in the previous section.
2. Set the Next Test Date to Pick Date.
3. Click on the first date year.
4. Set the year as far back as you want to go. Say 5 years back.
5. Click the second date. By default it will show 1 month ahead. Go back one month and set it to today's date.
6. Hit the GO button.

Next Test Date: Pick Date ▼ 03/20/2019 x ▼ to 04/19/2019 x

Next Test Date: Pick Date ▼ 03/20/2014 x ▼ to 04/19/2019 x

Next Test Date: Pick Date ▼ 03/20/2014 to 04/19/2019 x ▼ x

nt | Results

Cross Street	Section or District	Station	Shift	Out of Service
	D026	26	D	No

April, 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4

The results page will show you all the hydrants that have overdue test dates in your territory and shift.

Next Test Date: Pick Date ▼ 03/20/2014 to 04/19/2019 x ▼ x

nt | Results

Cross Street	Section or District	Station	Shift	Out of Service
	D026	26	D	No

March, 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
24	25	26	27	28	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

SORTING HYDRANTS – “How do I change the order?”

NOTE: This section is optional. Some captains may want to sort their hydrants on paper with a Key Map (or see how well the pipemen know their territory). If you don’t care about sorting your hydrants in the Hydrant Module, you can skip this part and go straight to PRINTING OFF THE HYDRANT LIST.

After you figure out which hydrants you want to test, the next question is, how do I plan my route? The Hydrant Module has some different ways to sort the hydrants.

By default the hydrants are sorted by Hydrant ID (UFID Number). You can click on any of the column headers, such as Location, or Next Test Date, and the hydrants will be sorted by that header.

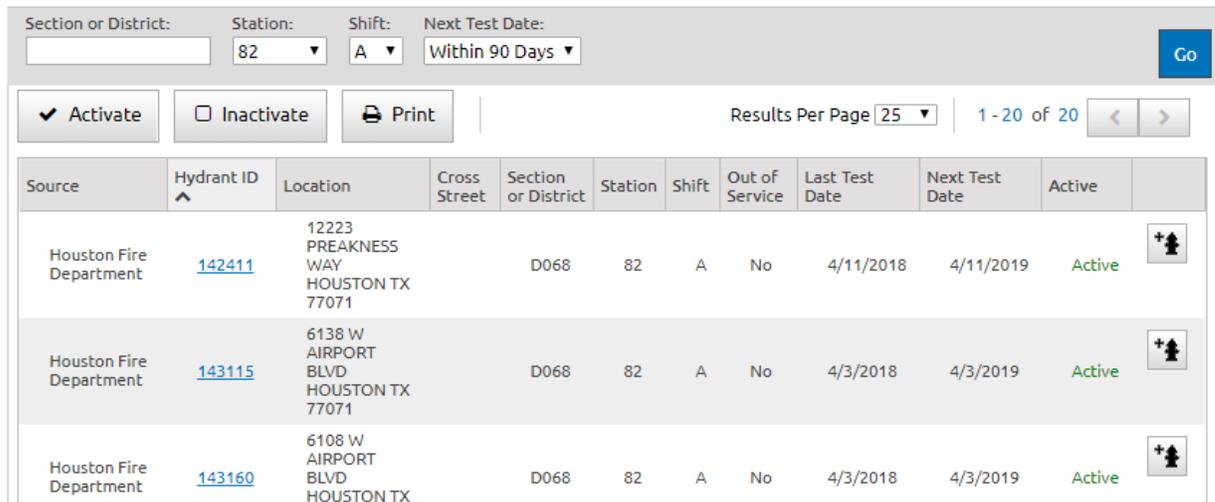
Disclaimer: There is a limitation in the current version of the software. When you search by Location, the hydrants will be sorted by number—however, the different streets will NOT be sorted alphabetically. This is a known issue, and ImageTrend is working on it.

If we have a reasonably small number of hydrants to test—say 20 or so—we can plan a route without too much trouble. However, we do have another tool in our toolbox:

SEARCHING BY DRAGS / STREET RUNS

Often there are a “run” of hydrants all along the same street. These are usually the “main drags” of a station territory. We can find these runs of hydrants by searching our hydrants by a street name.

Here is a search for Station 82 on the A Shift, looking at hydrants due in the next 90 days:



The screenshot shows a search interface with the following filters: Station: 82, Shift: A, Next Test Date: Within 90 Days. Below the filters are buttons for Activate, Inactivate, and Print. The results table shows 20 hydrants, with the first three visible as follows:

Source	Hydrant ID	Location	Cross Street	Section or District	Station	Shift	Out of Service	Last Test Date	Next Test Date	Active	
Houston Fire Department	142411	12223 PREAKNESS WAY HOUSTON TX 77071		D068	82	A	No	4/11/2018	4/11/2019	Active	
Houston Fire Department	143115	6138 W AIRPORT BLVD HOUSTON TX 77071		D068	82	A	No	4/3/2018	4/3/2019	Active	
Houston Fire Department	143160	6108 W AIRPORT BLVD HOUSTON TX		D068	82	A	No	4/3/2018	4/3/2019	Active	

The results show 20 hydrants coming due—not too bad. Taking a glance at this page, I can see that there are a lot of hydrants on West Airport.

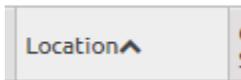
Go to the Search Bar at the top right. Type in the name of the street you want to see a run for. Case does not matter. For this example, we’ll put in “airport”. Then hit the GO button.

Hydrants Filters: Active Go

Section or District: Station: 82 Shift: A Next Test Date: Within 90 Days Go

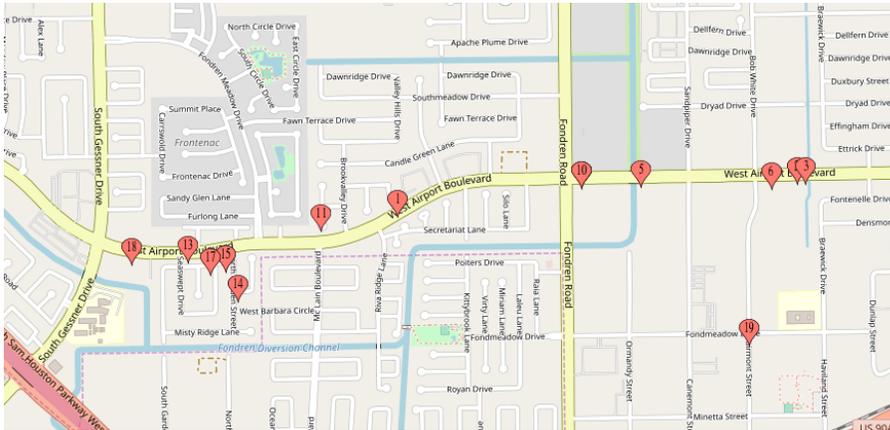
Activate Inactivate Results Per Page 25 1 - 20 of 20

Now our list shows 12 hydrants, all on West Airport. We can knock out all those hydrants in one run. That will cut our job by more than half, leaving 8 other hydrants to test. But we can still do better.



Click on the Location column, and all the hydrants on our street run will be sorted by their street number. Now we can start at one end and go down one by one. You can also sort by Next Test Date.

Of course, we still need to see our hydrants NOT on the run. To go back to our original list of hydrants, we just clear the search box and click GO again.



Recap: Finding Street Runs of Hydrants

1. Find the hydrants you have due by station, shift and date.
2. Look at your hydrants for a street or streets with a run of plugs.
3. Put the street name in the Search box at the top and hit GO.
4. Sort your run by Location or Next Test Date.

Location	Cr	Str
6108 W AIRPORT BLVD HOUSTON TX 77071		
6138 W AIRPORT BLVD HOUSTON TX 77071		
6232 AIRPORT BLVD HOUSTON TX 77071		
6255 W AIRPORT BLVD HOUSTON TX 77071		
6363 AIRPORT BLVD HOUSTON TX 77071		
6436 W AIRPORT BLVD HOUSTON TX 77071		
6633 W AIRPORT BLVD HOUSTON TX 77071		
6633 W AIRPORT		

PRINTING HYDRANT LISTS

After you've searched for hydrants, you can print out the list. If you have more than 25 hydrants on your list, check your Results Per Page setting. You can

Station: 26 Shift: A Next Test Date: Within 90 Days

Print

Results Per Page: 25 (dropdown menu open showing options: 10, 15, 20, 25, 50, 100, 200)

ID	Location	Cross Street	Section or District	Station	Shift	Out of Service	Last Test Date	Next Test Date	Active
699	6201 CAVALIER ST HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active
	6301 DIXIE DR								

change this setting to show as many as 200 hydrants. If you have a lot of hydrants, make sure to do this before you Print. Select how many results you want and click GO.

When you're ready to print, click the Print button. You'll see a Print Window show up in Chrome. This may take a minute to load. Check the Destination section to see that your

Section or District: Station: 26 Shift: A Next Test Date: Within 90 Days

Print

Results Per Page: 100

Source	Hydrant ID	Location	Cross Street	Section or District	Station	Shift	Out of Service	Last Test Date	Next Test Date	Active
Houston Fire Department	4100699	6201 CAVALIER ST HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active
Houston Fire Department	4100753	6301 DIXIE DR HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active
Houston Fire	4100750	5845 CLEMENTSHIRE		D026	26	A	No	4/27/2018	4/27/2019	Active

station printer is selected, and change it if you need to. Click the Print button when you're ready, and your hydrants should print. If you've divided your hydrants by Street Runs (see the last section), print your Runs separately from your main list.

Print

Total: 3 sheets of paper

Print Cancel

Destination: RicohPrinters on tf12pcu... Pick up your print job at an... Change...

Pages: All (radio selected) e.g. 1-5, 8, 11-13

Copies: 1

Layout: Portrait

Color: Black and white

More settings

Print using system dialog... (Ctrl+Shift+P) [checkbox]

Source	Hydrant ID	Location	Cross Street	Section or District	Station	Shift	Out of Service	Last Test Date	Next Test Date	Active
Houston Fire Department	4100699	6201 CAVALIER ST HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active
Houston Fire Department	4100753	6301 DIXIE DR HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active
Houston Fire Department	4100759	5845 CLEMENTSHIRE ST HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active
Houston Fire Department	4100773	5861 LUCE ST HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active
Houston Fire Department	4108793	6128 DOULTON DR HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active
Houston Fire Department	4805323	5715 CLEMENTSHIRE ST HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active
Houston Fire Department	5981605	6830 KERRYVILLE ST HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	5981614	6154 DONOHOO ST HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	5981621	6611 BELLFORT ST HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	5981619	6643 BELLFORT ST HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	5981680	6926 BELLFORT ST HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	5981688	6818 BELLFORT ST HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	5981716	6764 BELLFORT ST HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	5981720	6958 BELLFORT ST HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	5981764	7004 BELLFORT ST HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	5981752	7034 BELLFORT ST HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	5981767	7065 BELLFORT ST HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	5981771	7136 BELLFORT ST HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	5981779	7145 BELLFORT ST HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	5981796	7158 BELLFORT ST HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	5981892	7201 BELLFORT ST HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	5981620	5818 HEISER ST HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active
Houston Fire Department	5981614	5964 HEFFERNAN ST HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active
Houston Fire Department	5981602	6330 DIXIE DR HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active
Houston Fire Department	5981608	5917 LUCE ST HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active
Houston Fire Department	6199902	7730 DIXIE DR HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active
Houston Fire Department	6199924	7701 DIXIE DR HOUSTON TX 77087		D026	26	A	No	3/26/2018	3/26/2019	Active

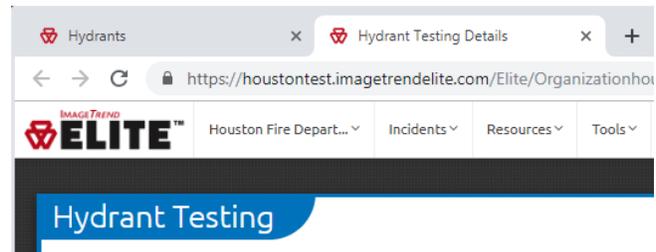
PERFORMING THE TEST

After you've inspected the hydrant, you can enter a test by clicking the hydrant button  from your list of hydrants. Clicking the button will open a new tab with the Test Screen.

Source	Hydrant ID	Location	Cross Street	Section or District	Station	Shift	Out of Service	Last Test Date	Next Test Date	Active	
Houston Fire Department	4100699	6201 CAVALIER ST HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active	

Notice that the Test Screen opens up in another tab—you can get back to your list of hydrants at any time.

The Hydrant Test Screen has a number of options, but HFD does not use all of the fields that are present. For example, we do not need to enter Tested Outlet Diameter. There are six important areas on the Test Screen.



THE HYDRANT TEST SCREEN

1. Test Date

The Test Date is defaulted to today's date. If you are entering tests from a previous day on, change that date. Notice that the Next Test Date is automatically set for 12 months from the Test Date

2. Flushed and Lead Valve Operated

Mark these off to show that the hydrant has been fully opened and flushed, unless this wasn't possible due to the hydrant's condition.

3. Repair Needed?

Click Yes if there is a defect that requires a repair.

4. Static Pressure

Enter the pressure reading from the cap gauge here. Remember, if your pressure is less than 40 psi, the hydrant needs to go out of service!

5. Defects and Out of Service status

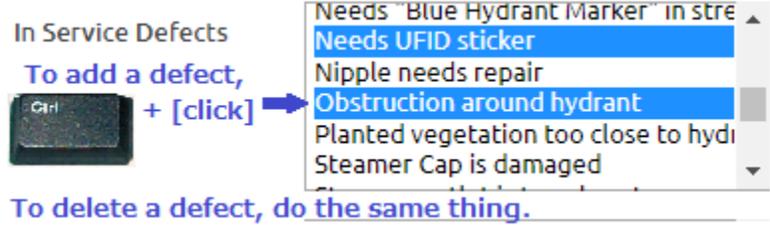
Click on any In Service or Out of Service defects that you found. Notice that if you click any Out of Service defects, the Out of Service option will automatically move to Yes. To enter multiple defects or delete a defect, see below.

6. Remarks/Notes

You can document what you found here. This will assist Hydrant Division in getting the right kind of service from Public Works.

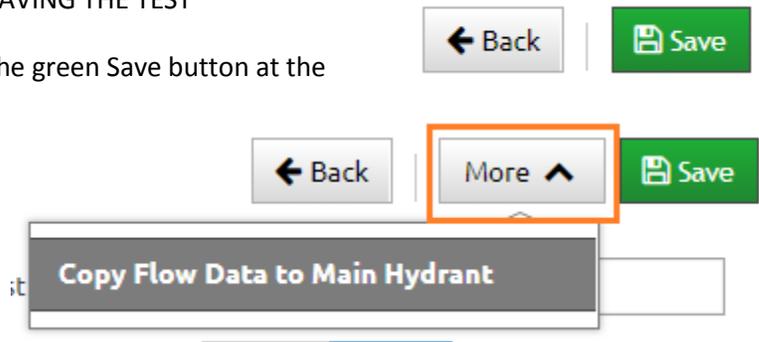
ENTERING MULTIPLE DEFECTS AND DELETING A DEFECT

To enter more than one defect, hold down the Ctrl key and click your second defect. To delete a defect, hold down the Ctrl key and click the defect you want to remove.

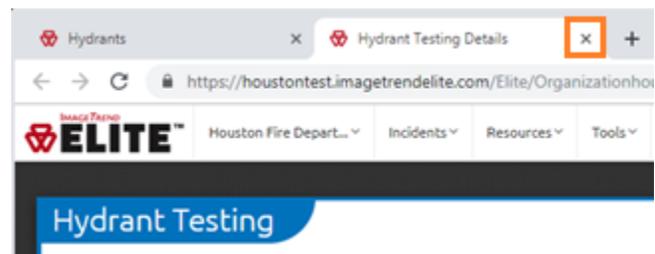


THE NEXT STEP IS VERY IMPORTANT – SAVING THE TEST

When you have finished the test, click the green Save button at the top. After you click Save, a new button will appear, the More button. **Click the More button and then click on Copy Flow Data. These steps need to be done every time in order to save your test and update the hydrant!**



When you have finished saving and hit the Copy Flow button, just close the Hydrant Test tab. Your hydrant list will still be there in the first tab. You can then go on to the next hydrant in your list. You may notice that the hydrant you just tested is highlighted in blue. This helps to show which hydrants have already been tested.



Source	Hydrant ID	Location	Cross Street	Section or District	Station	Shift	Out of Service	Last Test Date	Next Test Date	Active	
Houston Fire Department	4100699	6201 CAVALIER ST HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active	
Houston Fire Department	4100753	6301 DIXIE DR HOUSTON TX 77087		D026	26	A	No	4/27/2018	4/27/2019	Active	
Houston Fire Department	4100759	5845 CLEMENTSHIRE ST HOUSTON TX		D026	26	A	No	4/27/2018	4/27/2019	Active	

“WHY DOES MY HYDRANT STILL SHOW UP IN THE TEST LIST, AFTER I TESTED IT? SHOULDN'T IT GO AWAY?”

When we have a list that shows “Hydrants due in 90 days”, and we test one of the hydrants, it will not automatically disappear from our working list. The list does not refresh until you click the GO button. After that, any already tested hydrants will not appear. You do not have to refresh the list in order to test the next hydrant.

THE HYDRANT TEST SCREEN

The screenshot shows a web-based form titled "Hydrant Testing". At the top right, there are "Back" and "Save" buttons. The form is divided into two main columns. The left column contains fields for "Test Date" (03/20/2019), "Tested By" (User, Test), "Shift", "Leaks Present" (Yes/No), "Tested Outlet Diameter (in)", "Coefficient (0.7 - 0.99)", "Pitot pressure (psi)", "Calculated GPM", "Painted" (Yes/No), "Height Adjusted" (Yes/No), "Flushed" (Yes/No), "Lead Valve Operated" (Yes/No), and "Lubricated" (Yes/No). The right column contains "Next Test Date" (03/20/2020), "Repair Needed" (Yes/No), "Discharge Opening (in)" (4), "Static pressure (psi)", "Residual pressure (psi)", "Calculated GPM @ 20psi", "Minutes Flushed", "In Service Defects" (a list of defects), "Out of Service Defects" (a list of defects), and "Out of Service" (Yes/No). A "Remarks" field is located at the bottom left. Orange boxes highlight the "Test Date", "Repair Needed", "Static pressure (psi)", "In Service Defects", "Out of Service Defects", "Out of Service", "Flushed", and "Lead Valve Operated" fields. A blue box highlights the "No" button for "Repair Needed".

Highlighted items are required for HFD hydrant tests (required means fill them out if necessary). Also note the green SAVE button. All tests must be Saved, and then click More > Copy Flow Data.

CLOCKWISE FROM TOP LEFT:

1. Test Date
2. Repair Needed?
3. Static Pressure
4. In Service Defects / Out of Service Defects / Out of Service Status
5. Remarks / Notes
6. Flushed? / Lead Valve Operated?

EXAMPLES OF HYDRANT TESTS

1. **Hydrant 4100759, 5845 Clementshire.** We rolled up on the hydrant. My crew opened all the caps, opened the hydrant fully and flushed it, and tested the static pressure with the cap gauge, getting 56 psi. No obstructions and no defects were found. Here is what my test screen looks like:

All we need to do now is click the Save button and then the More > Copy Flow button. Test complete, we close the tab and go on to the next hydrant.



Hydrant Testing

[← Back](#) [Save](#)

Test Date	<input type="text" value="03/21/2019"/>	Next Test Date	<input type="text" value="03/21/2020"/>
Tested By	<input type="text" value="User, Test"/>	Repair Needed	<input checked="" type="radio"/> Yes <input type="radio"/> No
Shift	<input type="text" value="A"/>	Discharge Opening (in)	<input type="text" value="4"/>
Leaks Present	<input type="radio"/> Yes <input checked="" type="radio"/> No	Static pressure (psi)	<input type="text" value="56"/>
Tested Outlet Diameter (in)	<input type="text"/>	Residual pressure (psi)	<input type="text"/>
Coefficient (0.7 - 0.99)	<input type="text"/>	Calculated GPM @ 20psi	<input type="text"/>
Pitot pressure (psi)	<input type="text"/>	Minutes Flushed	<input type="text"/>
Calculated GPM	<input type="text"/>	In Service Defects	<ul style="list-style-type: none">Cap is missingCap is damagedCaps need to be greasedDefective StemHydrant is Facing the wrong directionHydrant leaning
Painted	<input type="radio"/> Yes <input checked="" type="radio"/> No	Out of Service Defects	<ul style="list-style-type: none">All Caps missingBroken StemHydrant is brokenHydrant is broken offHydrant is leaningHydrant is loose in the ground
Height Adjusted	<input type="radio"/> Yes <input checked="" type="radio"/> No	Out of Service	<input type="radio"/> Yes <input checked="" type="radio"/> No
Flushed	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Lead Valve Operated	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Lubricated	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Remarks	<input type="text"/>		

2. **Hydrant 4108793, 6128 Doulton.** On this hydrant, we are able to open it all the way but the stem is very tight. We also notice that the static pressure is very low on our cap gauge, 43 psi. We also have a cap missing. We click the options for Flushed and Lead Valve Operated and then enter the Static Pressure. We enter in multiple defects by holding the Ctrl key + clicking on the defect. Notice that we DON'T mark the hydrant out of service, but we do click the Repair Needed option. We could add Remarks to write up what we found. Then we click the Save button and then click More > Copy Flow Data.



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<p>Test Date <input type="text" value="03/20/2019"/></p> <p>Tested By <input style="border: none; border-bottom: 1px solid #ccc;" type="text" value="User, Test"/> ▾</p> <p>Shift <input style="border: none; border-bottom: 1px solid #ccc;" type="text" value="A"/> ▾</p> <p>Leaks Present <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Tested Outlet Diameter (in) <input type="text"/></p> <p>Coefficient (0.7 - 0.99) <input type="text"/></p> <p>Pitot pressure (psi) <input type="text"/></p> <p>Calculated GPM ⓘ <input type="text"/></p> <p>Painted <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Height Adjusted <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="border: 1px solid #0070C0; padding: 2px;">Flushed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="border: 1px solid #0070C0; padding: 2px;">Lead Valve Operated <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Lubricated <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Remarks <input style="width: 100%; height: 20px;" type="text"/></p>	<p>Next Test Date <input type="text" value="03/20/2020"/></p> <p style="border: 1px solid #0070C0; padding: 2px;">Repair Needed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Discharge Opening (in) <input type="text" value="4"/></p> <p style="border: 1px solid #0070C0; padding: 2px;">Static pressure (psi) <input type="text" value="43"/></p> <p>Residual pressure (psi) <input type="text"/></p> <p>Calculated GPM @ 20psi ⓘ <input type="text"/></p> <p>Minutes Flushed <input type="text"/></p> <p style="border: 1px solid #0070C0; padding: 2px;">In Service Defects Hydrant leaking Hydrant missing bolts, nuts Hydrant needs painting Low Pressure Needs "Blue Hydrant Marker" in stre Needs UFID sticker Nipple needs repair</p> <p style="border: 1px solid #0070C0; padding: 2px;">Out of Service Defects All Caps missing Broken Stem Hydrant is broken Hydrant is broken off Hydrant is leaning Hydrant is loose in the ground</p> <p>Out of Service <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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3. **Hydrant 5986519, 6643 Belfort.** When we try to open the valve on this hydrant, it will barely turn and there is water leaking from the stem. This hydrant will have to be marked OOS. We drop a marker on the hydrant and enter the test. We mark the Leaks Present option Yes and also Repair Needed. When we click the Out of Service defect “Stem is too tight”, the hydrant is automatically marked Out of Service – Yes. Notice that we do NOT click anything for Flushed, Lead Valve Operated, or Static Pressure. We enter in some Remarks about what we found, and then click Save, and then More > Copy Flow Data. We will also contact Hydrant Division to let them know about the OOS hydrant, so they can open a ticket with Public Works.



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<p>Test Date <input type="text" value="03/20/2019"/></p> <p>Tested By <input style="border: 1px solid #ccc;" type="text" value="User, Test"/></p> <p>Shift <input style="border: 1px solid #ccc;" type="text" value="A"/></p> <p>Leaks Present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Tested Outlet Diameter (in) <input type="text"/></p> <p>Coefficient (0.7 - 0.99) <input type="text"/></p> <p>Pitot pressure (psi) <input type="text"/></p> <p>Calculated GPM <input type="text"/></p> <p>Painted <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Height Adjusted <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Flushed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Lead Valve Operated <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Lubricated <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>Next Test Date <input type="text" value="03/20/2020"/></p> <p>Repair Needed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Discharge Opening (in) <input type="text" value="4"/></p> <p>Static pressure (psi) <input type="text"/></p> <p>Residual pressure (psi) <input type="text"/></p> <p>Calculated GPM @ 20psi <input type="text"/></p> <p>Minutes Flushed <input type="text"/></p> <p>In Service Defects <input type="text" value="Cap is missing, Cap is damaged, Caps need to be greased, Defective Stem, Hydrant is facing the wrong direction, Hydrant leaning"/></p> <p>Out of Service Defects <input type="text" value="Stem is too tight, Steamer threads damaged, Stem is frozen, Threads damaged, More than 5 repairs needed, Other repairs needed not listed"/></p> <p>Out of Service <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
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Remarks

