# Radon and Water Sampling Program (RWSP)

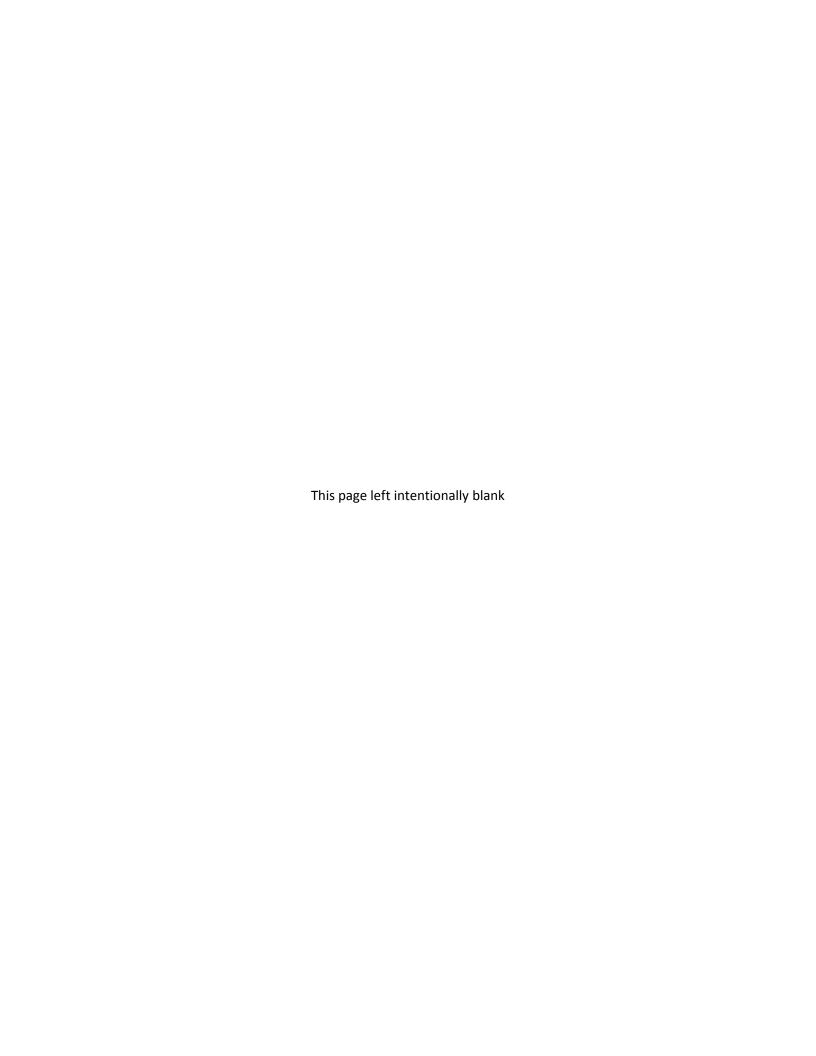
Application User Guide

April 2018

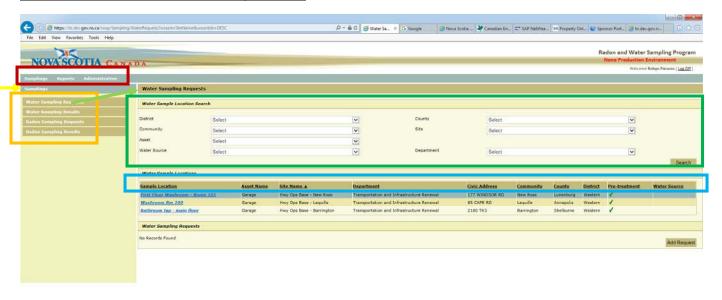
Nova Scotia Department of Transportation and Infrastructure Renewal

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#### **General Screen Overview Shot and Explanations**



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Once you log into the application you will automatically be brought to this page. The following explain the features on this page and subsequent pages in the application.	will
in this box you will see the navigation tabs for the application you as users access to aka the <b>Main Menu</b> ;	have
this arrow shows the navigation tab that you are on;	
this box shows the menu items that will appear under the navigation tab for the that you are on, aka <b>Sub Menu</b> , ie if you were on the Administration tab the menu items would different;	. •
this arrow shows which menu item you are on which is associated with the navigat stated above;	ion tab as
this box represents a mode of searching for your location. Note all your location listed below under the <b>Water Sample Locations</b> so by using this feature you can quickly find the you are looking for:	

this box also represents a mode of searching for your location. Here you have the option to sort through the various headings just be clicking on the heading and then clicking on the arrow that appears next to the heading name. All headings in this box have this sorting feature.

#### 1.0 Application Access

#### **Internal Users**

To access the application sign in using the username and password you use to sign into your computer. The link to the application is: URL: https://tir.gov.ns.ca/rwsp

#### Screen shown below:





#### **External Users**

Please note: if you don't already have a username and password which you will need to access this application, you will have to create an account in Nova Scotia Login System. The steps are as follows:

- Go to RWSP for external users; http://www.novascotia.ca/apps/rwsp;
- Click on "Log On", located at top right hand side;
- Click on "Create an Account" and follow the steps to create your account; and
- Please note that in the last step, you are asked to enter a Confirmation Code. You will need to check the mailbox of the email address you used in the previous steps to obtain the confirmation code.

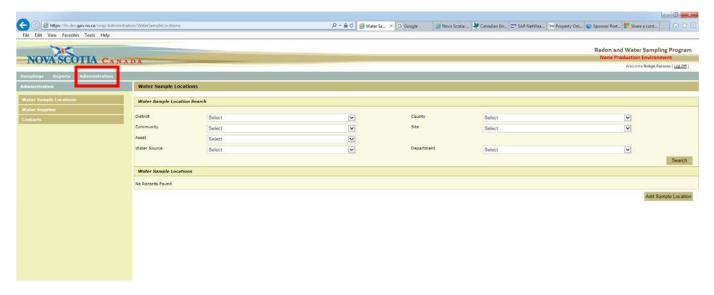
#### 2.0 Administrative

Under the administrative access you will be able to update or add information to the following three (3) categories:

- Water Sample Locations;
- Water Supplies; and
- Contacts.

Let's first look at accessing the "Administrative Page". The following steps will guide you to accessing this page:

- ➤ Log into the application as show above using your username and password;
- Once logged in you will see the following screen:



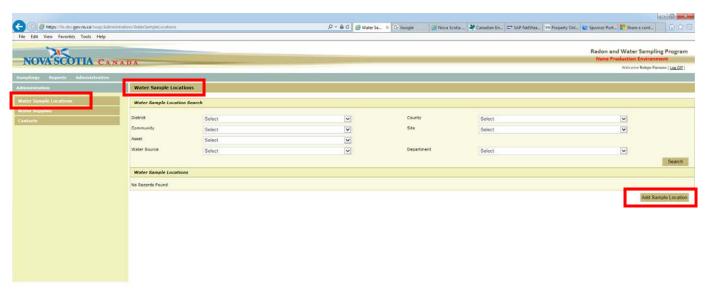


- At the top left hand corner of the page you will see three (3) headings; Samplings, Report and Administration. Note: you are already on the Administration page because in the left had corner under the main headings "Administration" will be in blue highlight.
- > On the left hand side of the page you will see a list of menu items of those you should see:
  - ✓ Water Sample Locations;
  - ✓ Water Supplies; and
  - ✓ Contacts.

The following will describe how to access each of these and make changes and updates.

#### 2.1 To Add a New Water Sampling Location

Click on "Water Sample Locations" at the left hand side and the following screen will appear:



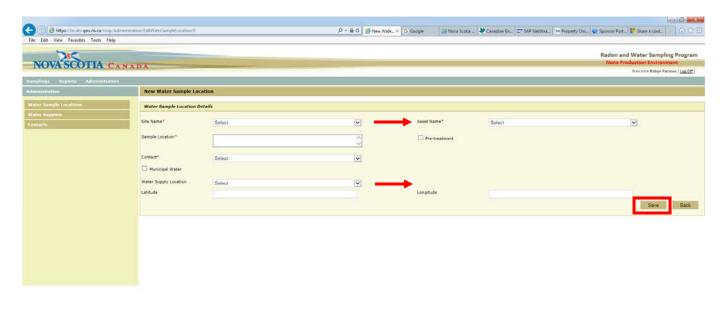


As you can see it is the same screen as noted above because when you clicked on the Administrative tab it automatically brought you to the "Water Sampling Locations" page.

NOTE: Since this a new fresh application, all the water sampling locations will have to be entered in to the application.

The following steps will guide you through the process of creating a new water sample location:

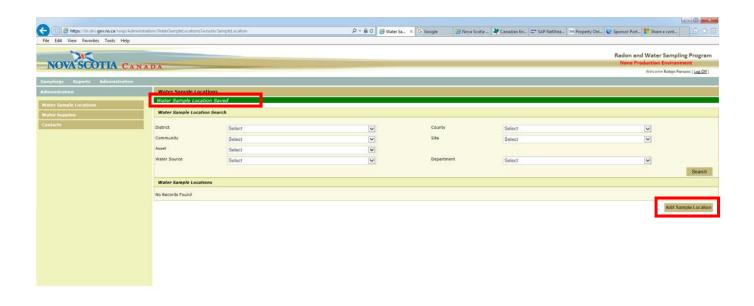
Click on "Add Sample Location" as highlighted above in the red box:





On this screen you will have to fill out the "Site Name" then move to "Asset Name" then move to "Sample Location (please note this should be as specific as possible)" and note there is a pre-treatment check box so if pre-treatment is available click that box off then go to "Site Contact".

If the "Water Supply Location" is known for the Site it would appear in the drop down list but for this example it has not been created yet. If you know the Latitude and Longitude it would be good to have entered in but if not then it is ok. So once everything is entered in to your satisfaction click "Save" in the lower right hand corner. And the next screen will appear noting the sampling location has been saved.





Then if you want to add a second sampling location simply click on "Add Sampling Location"

## Example of this process

So under the "Water Sampling Location" screen:

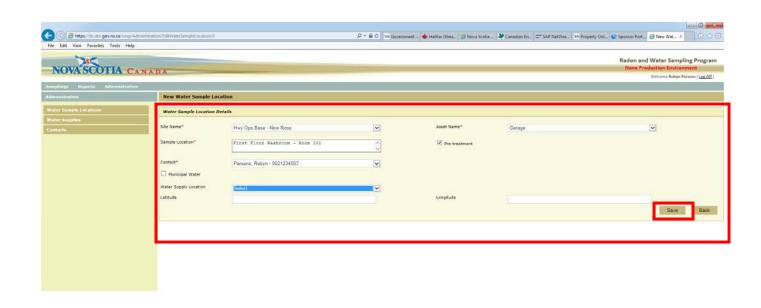




## I clicked on "Add Sample Location" and I entered the following:

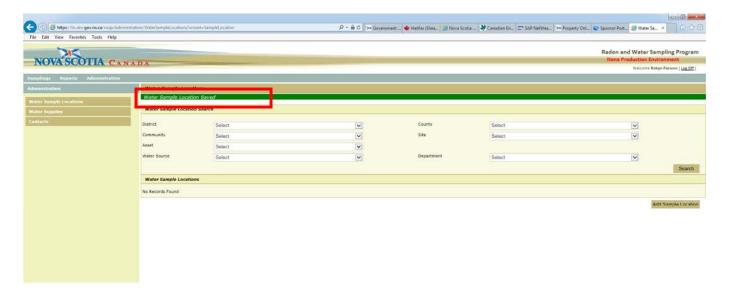
- Site Name: Hwy Ops Base New Ross;
- Asset: Garage;
- > Sample Location: First Floor Washroom Room 101
- ➤ Noted: Pre-Treatment sample
- Contact: Robyn Parsons; Phone Number: 9021234567
- Water Supply Location: since this has not been entered into the system yet it will be left blank
- > Latitude: unknown at this time- left blank
- Longitude: unknown at this time left blank

#### Screen below:





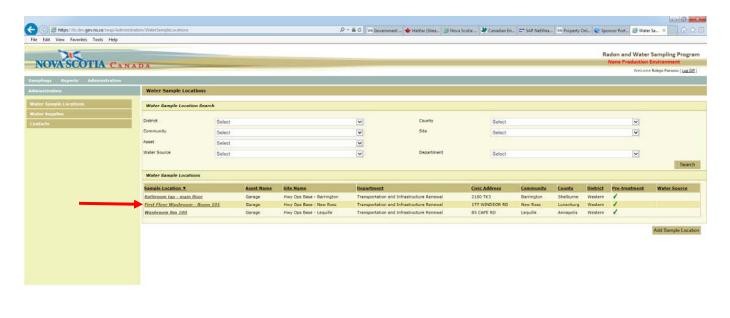
#### Click "Save"





Sample location saved as noted above in green.

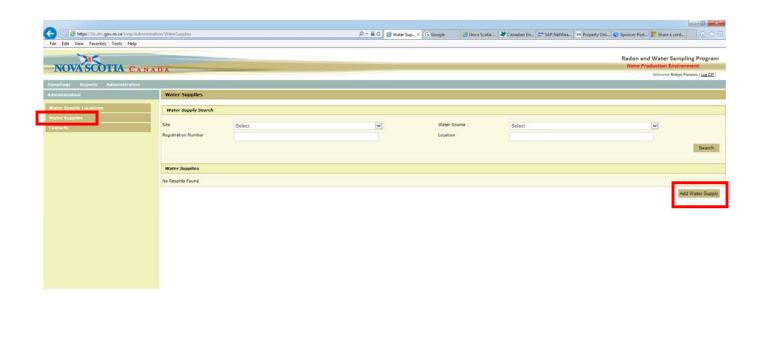
Re-click on "Water Sample Locations" and the new water sample location is noted by red arrow. If you want to add a new water sample location click on "Add Sample Location"





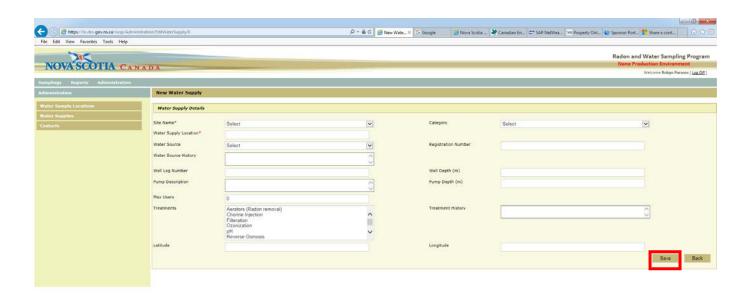
#### 2.2 To Add a New Water Supply

Now click on "Water Supplies" upper left hand corner. Again since all information relevant to sampling locations needs to be entered into the new application so does the "Water Supplies". When clicking on "Water Supplies" the following screen will appear:



Once on this screen if Water Supplies have been entered into the application you will be able to search for your particular site, if not as is in the case you will have to enter them in by clicking on "Add Water Supply" the following screen will appear:

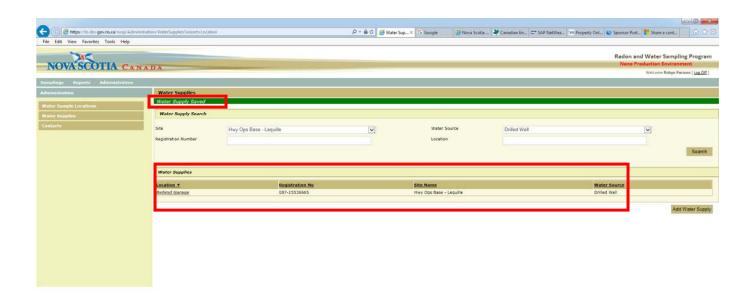
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On this screen you enter in all the relevant information related to the water supply. If you know the latitude and longitude great please enter it in, if not that is ok it can be entered in later.

Once all the information is entered click "Save" in the lower right hand corner. Once "Save" is clicked the following screen will appear:



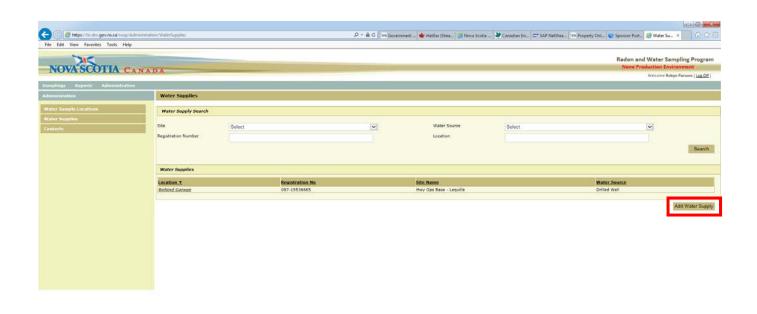


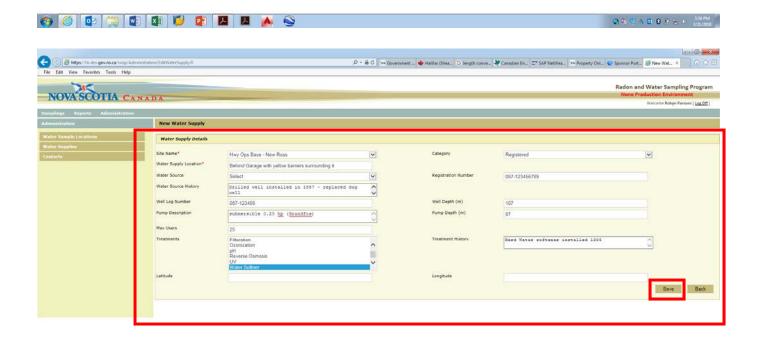
Note at the top of the screen in green it states the water supply is saved and the information is noted below under Water Supplies. Again if you want to add another water supply location for this site simply click on "Add Water Supply" lower right corner.

#### Example of this process

In the screen shown below click on "Add Water Supply" and I entered the following:

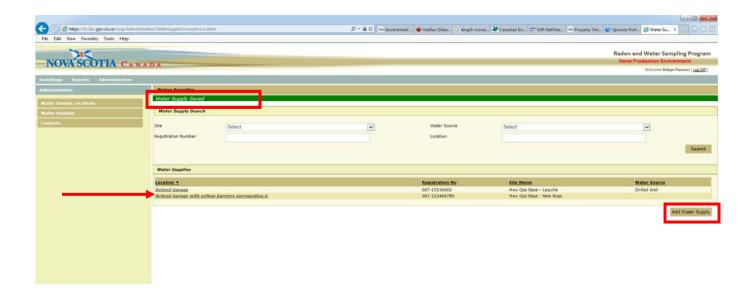
- Site Name: Hwy Ops Base New Ross;
- Category: Registered;
- Water Supply Location: Behind garage will yellow barriers surrounding it;
- Registration Number: 087-123456789;
- Water Source History Drilled well installed in 1987 replaced dug well;
- Well Depth: 107 m;
- Well Log: 087-123456;
- Pump Depth: 87 m;
- Pump Description: submersible 0.25 hp (Grundfos);
- Max Users: 25;
- Treatment History: Hard Water softener installed 1995;
- Treatments: selected "Water Softener" from the list box (note: Hold "Ctrl" key on the keyboard, if you need to multi-select or de-select item);
- Latitude: unknown at this time;
- ➤ Longitude: unknown at this time







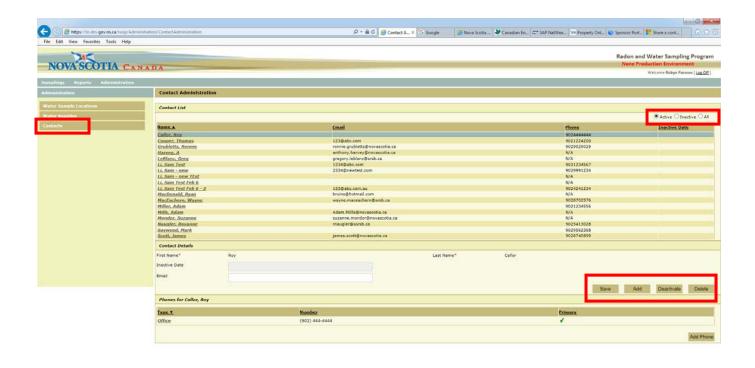
Click "Save" new water supply noted by red arrow and successfully saved noted in green. If you want to add a new water supply click on "Add Water Supply" lower right hand corner.

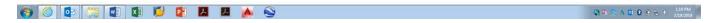




## 2.3 Adding New Contact

1. To add a new contact click on "Contacts" on the left hand side of the screen when doing so the following screen will appear:



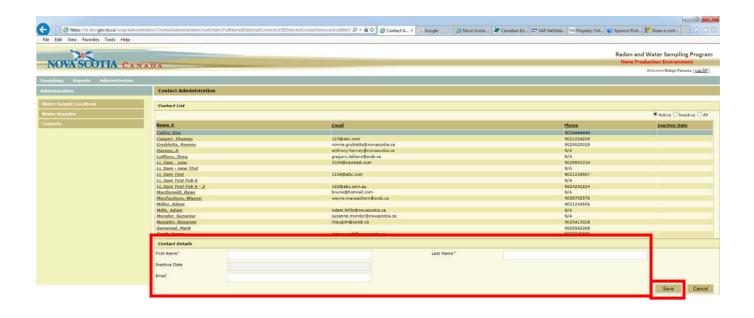


On this screen you will see in the top right corner you can view all the "Active", "Inactive" or "All" contacts in the system by clicking the radio buttons.

Under "Contact Details" you will see the name of the contact, email address and inactivation date if they happen to no longer be the contact for a particular site. You will also be able to "Save", "Add", "Deactivate" and "Delete" a contact.

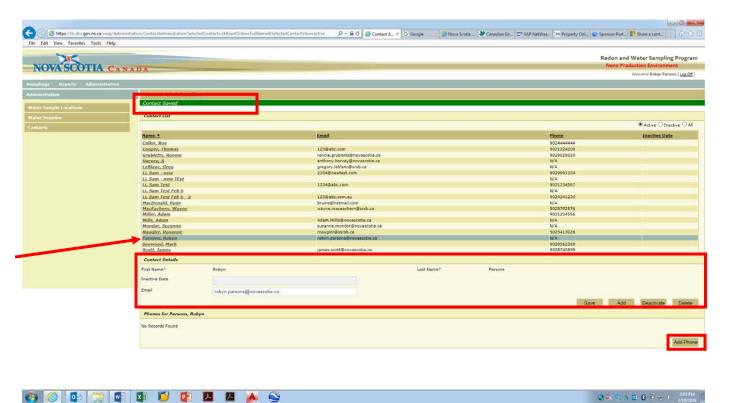
Once you add a new contact you will then be able to add a phone number for that person.

To "Add" a new contact click on "Add" in the lower right corner of the screen and the following screen will appear:



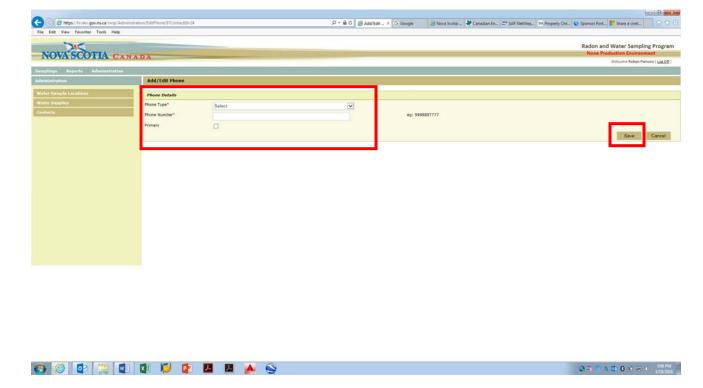


Fill out the areas noted first name, last name and email address and click "Save" and the following screen will appear:

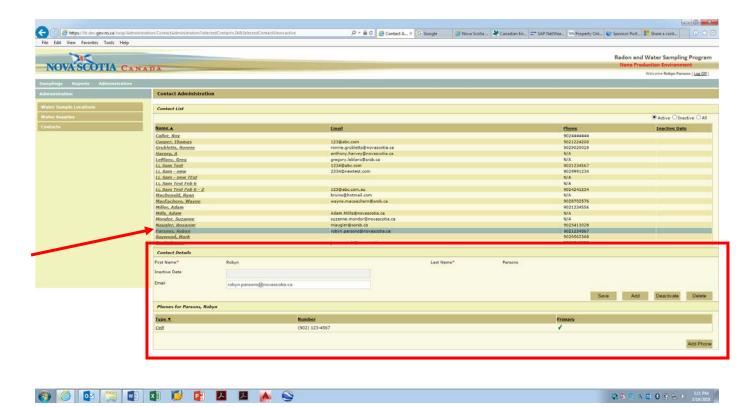


On this screen you will see at the top highlighted in green that the new contact was saved. Highlighted in blue in the list of contacts will be the new contact created and the information entered in for the new contact is shown below.

To add a phone number for the new contact click on "Add Phone" and the following screen will appear:



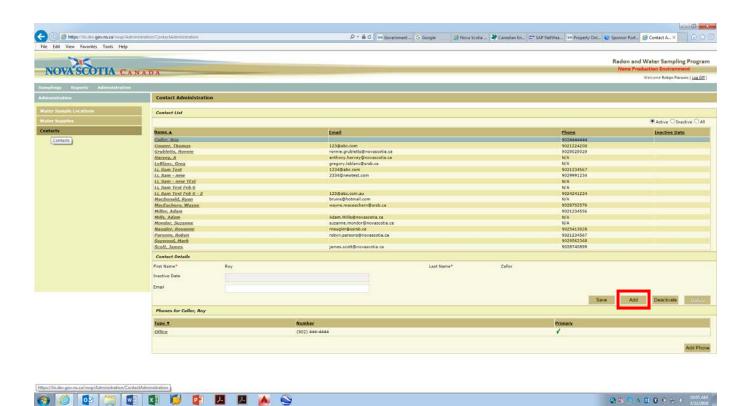
Enter in the required details click "Save" and the following screen will appear:



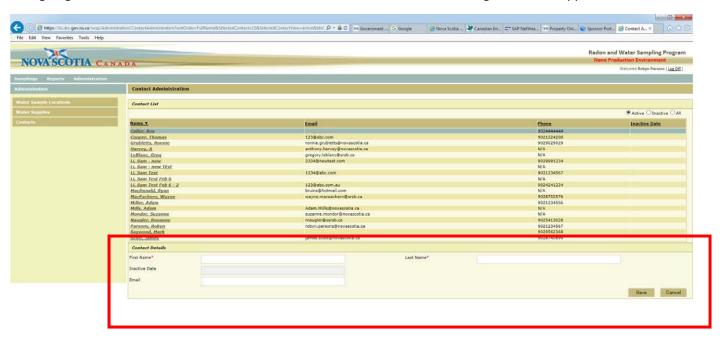
On this screen you will see the new contact that was created highlighted in blue in the list, the contact details entered to create the contact and the phone number just provided for that contact.

# Example of this process

So under "Administration" click on "Contacts" and the following screen will appear:



I am going to create a new contact so I will need to click "Add" and the following screen will appear:





So under contact details I have entered the following:

First Name: ElmerLast Name: Fudd

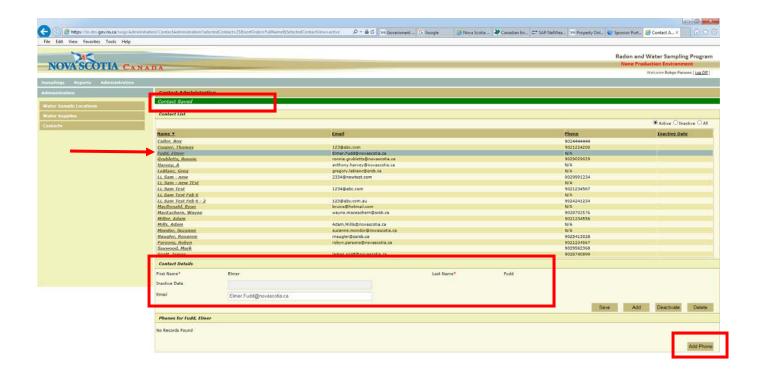
> Email: <a href="mailto:Elmer.Fudd@acme.ca">Elmer.Fudd@acme.ca</a>



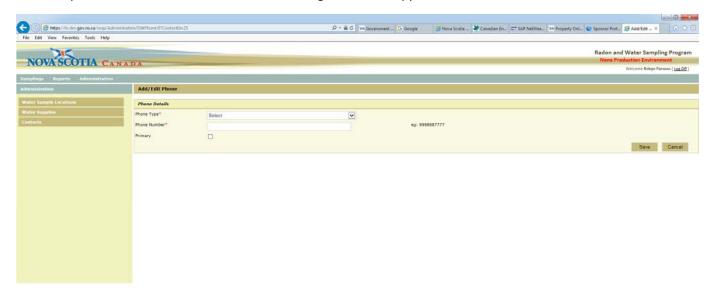
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Then click "Save" and the following screen will appear:

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To add a phone, click on "Add Phone" the following screen will appear:



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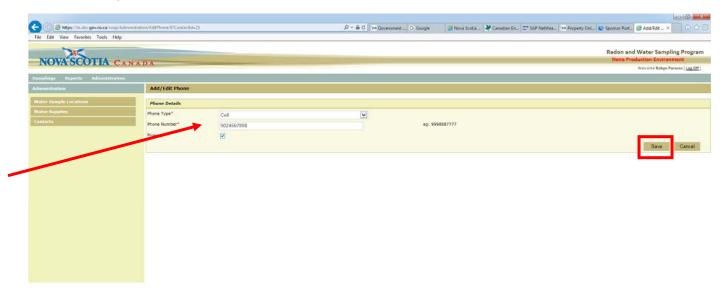


Here I have entered in the following:

Phone Type: Cell

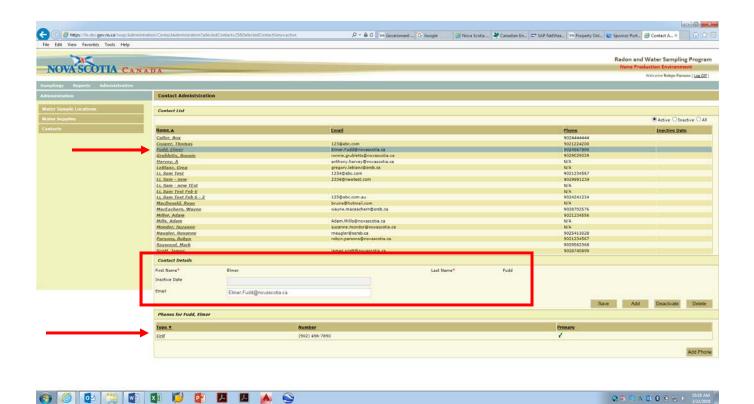
Phone Number: 9024567890

> Primary: checked off

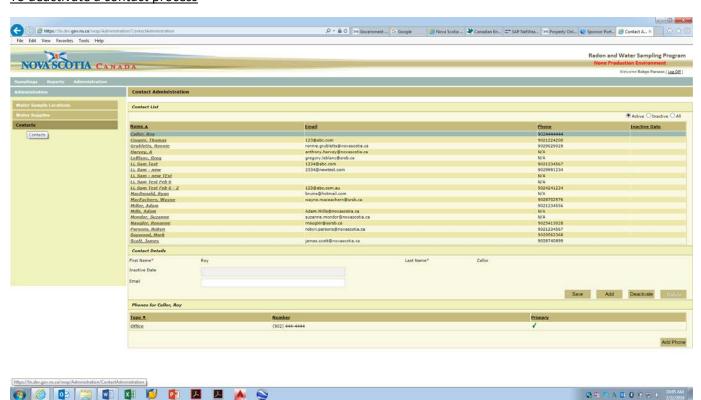




Click "Save"

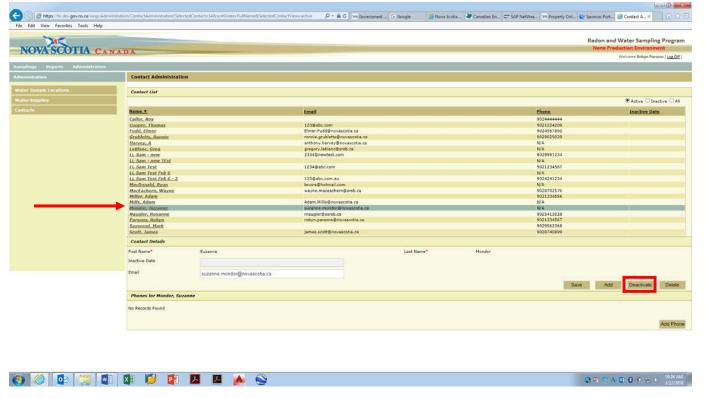


#### To deactivate a contact process

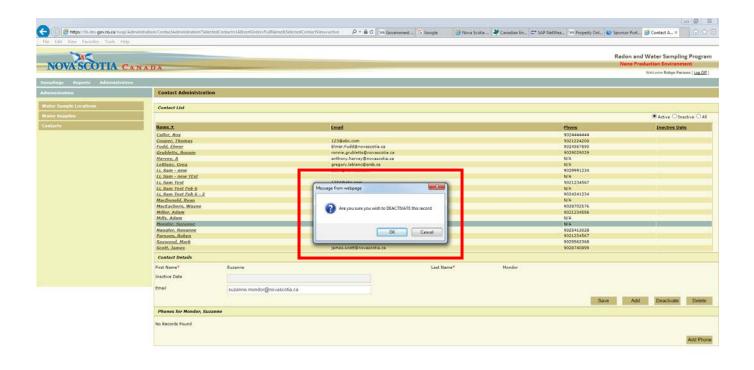


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To deactivate a contact highlight the contact you want to deactivate by clicking in that person's name and highlighting them blue as noted in the following screen:



So once highlighted blue click on "Deactivate"



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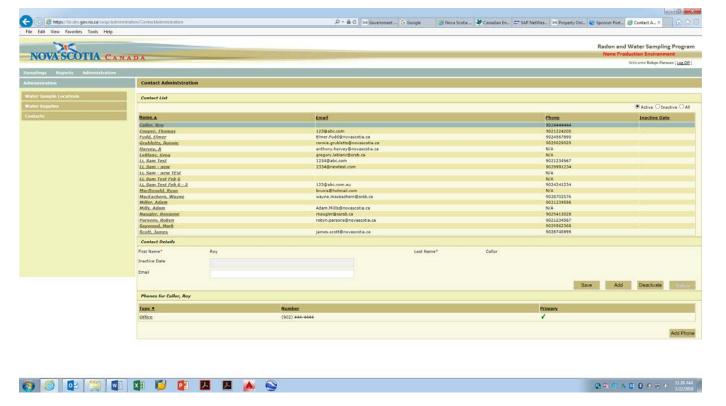
Notice this screen will appear asking you if you are sure you want to deactivate this person, if so click "Ok" and if not click "Cancel". If you click "Ok" the following screen will appear:



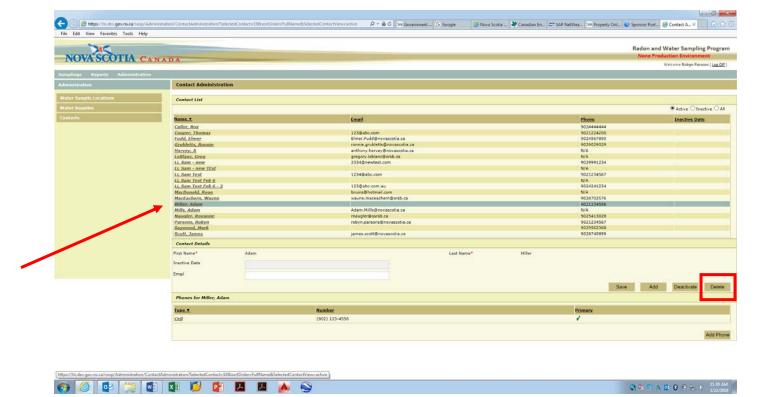
From this screen it is noted at the top in green that the deactivation was successful; and the contact details note the first, last name of the person, the email address and the deactivation date (red arrow).

#### To delete contact process

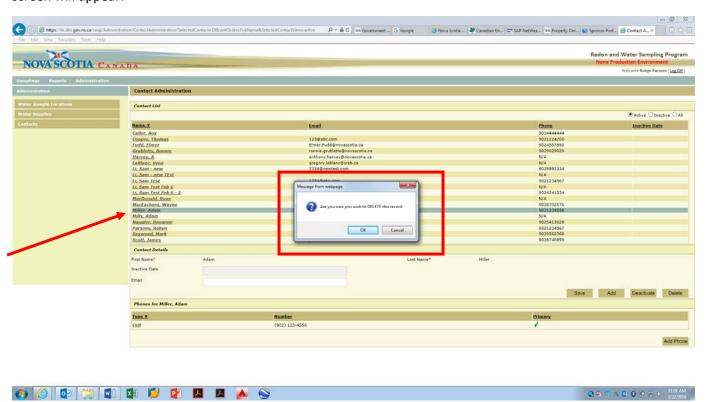
By clicking on "Contacts" left hand side of screen the following screen will appear:



To delete a contact select the contact in the list and click on them highlighting them:



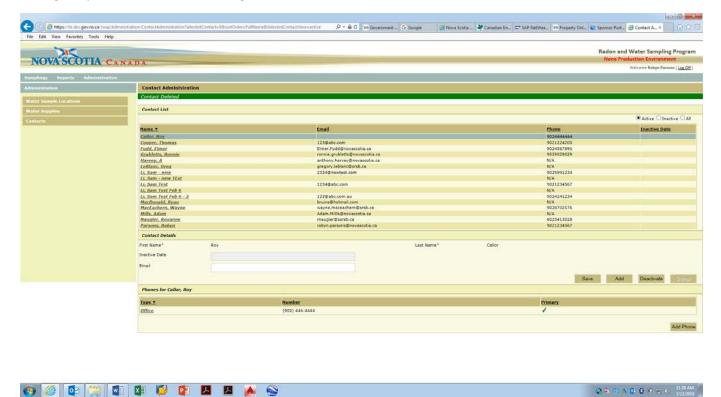
Once the selected contact is chosen click on "Delete" in the lower right hand corner and the following screen will appear:



On this screen a pop up screen came up asking you if you are sure you want to delete this person, if yes click "Ok" if not click "Cancel"

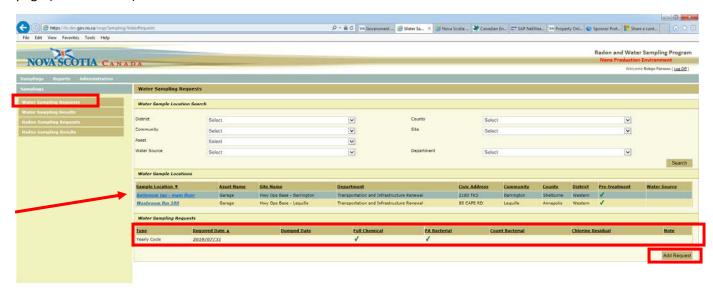
If you click "Ok" the following screen will appear:

Noting the previous contact is no longer in the list.



## 3.0 Water Sampling Requests

Once signed in to the application you will automatically be brought to the "Water Sampling Request" page (shown below)

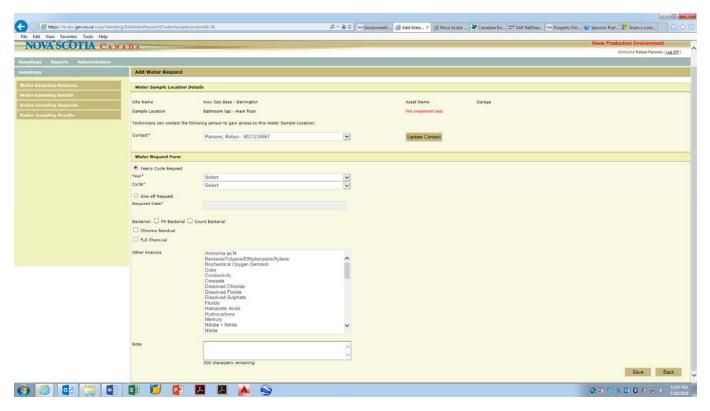




It will show all the sampling locations that you have created as well as any water requests you have entered (plus those created by other users within your associated department).

The following will show you how to enter a request for a sampling location that you have created within the application. To make a request for a water sample location click on "Add Request" in the lower right hand corner as shown above and the following screen will appear.

Note: the sampling location highlighted in blue in the above screen will be the sampling location brought up once the add request button is pushed. Or you could have searched for your site using the "Water Sampling Location Search" by filling all the drop down lists and the site would appear in blue under "Water Sample Locations".



For this example, we will do a yearly cycle and a one-of sample.

Note: as of right now you cannot select the full year sampling requirements however, we are looking in to changing that for next upgrade release in 3 to 6 months after this version has been out.

You can still add the yearly sampling requests but you have to do each separate by going back and forth between this and the previous screen.

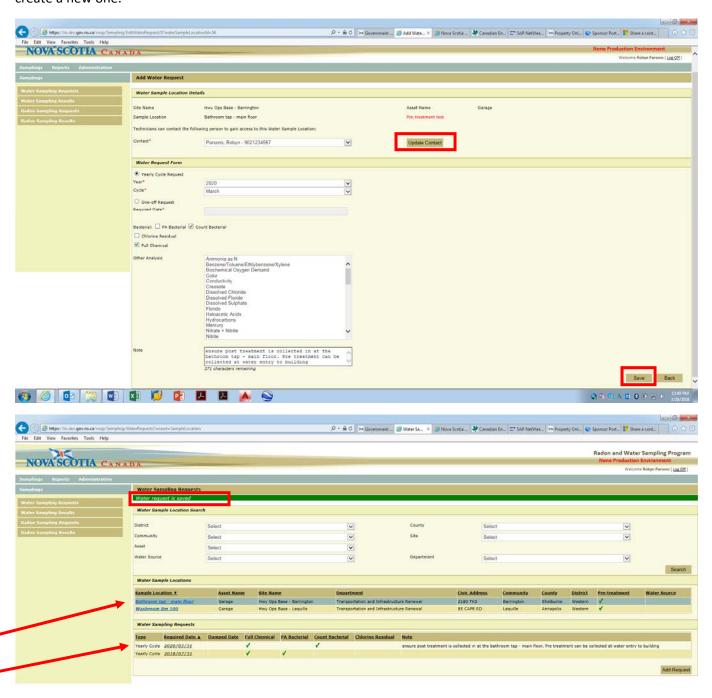
#### Yearly Cycle

For the yearly cycle request complete the following steps:

- 1. For **Year** in the drop down list select the year you want your sample to be collected in;
- 2. For **Cycle** in the drop down list select the month you want your sample to be collected in;
- 3. For Bacterial you have the option of selecting P/A (Presence/Absence) or Count;
- 4. If you need **Chlorine Residual** checked as part of your quarterly monitoring you have that option;
- 5. For **Chemical** you have the option of full chemical analysis or you may select a particular chemical parameter(s) from the list box present on the screen (note: Hold "Ctrl" key if you need to multi-select or de-select items).
- 6. You also have the option of adding any comments you feel are prudent and will be helpful to the sampling contractor.
- 7. Once completed click "Save" in the lower right hand corner.

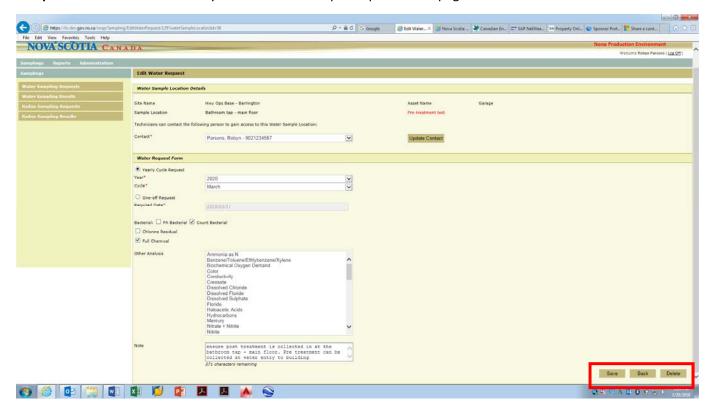
The next screen will show all fields filled in and the screen following will show what happened after save is clicked. Also on this screen you will notice that you will be able to update the contact. To do so simply

click on the drop down list and select a new or correct contact and click "Update Contact". If the name does not appear in the drop down list you will have to back to "Administration" under "Contacts" to create a new one.



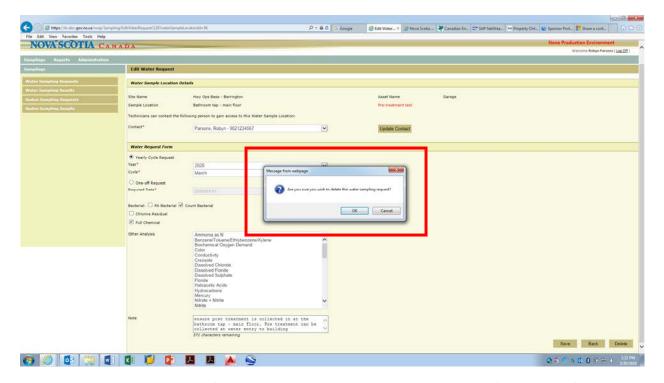
From the above screen after clicking save on making the request you can see at the top of the screen in green highlight that the request was saved, the sample location is highlighted in blue and the sample details are noted at the bottom of the screen. This same process would be followed for any other water sample location requiring a sample to be collected.

If you want to make changes to the request prior to it being dumped to the contractor, click on "Required Date" and it will take you back to the sample request detail page as shown below:



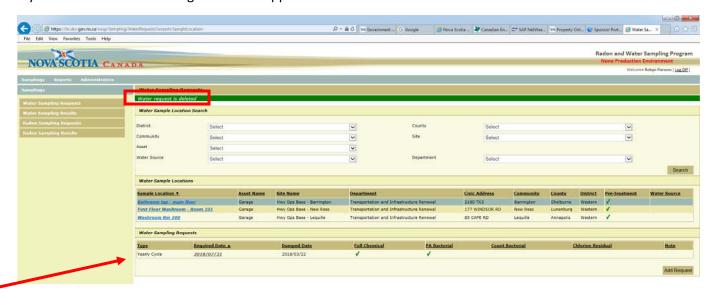
Here you can make any changes, review or delete sample request all together. The buttons in the lower right hand corner note "Save", "Back" or "Delete".

If you click on delete the following screen will appear:



The note in the center is asking if you are sure you want to delete this request, if so click OK if not click Cancel.

If you click "OK" the following screen will appear:

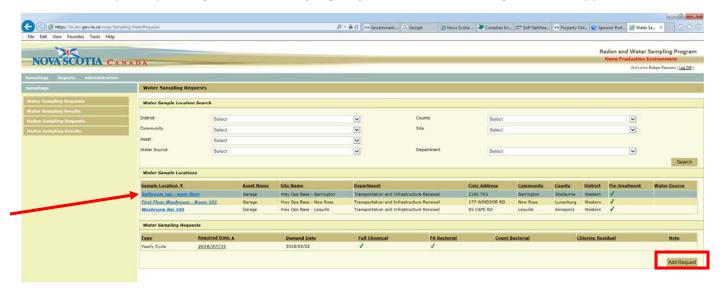




As you can see the request is no longer present. The green highlight at the top states the request was deleted.

# Example process of making a yearly sample request

Let's make a request by clicking on "Water Sampling Requests" and the following screen will appear:



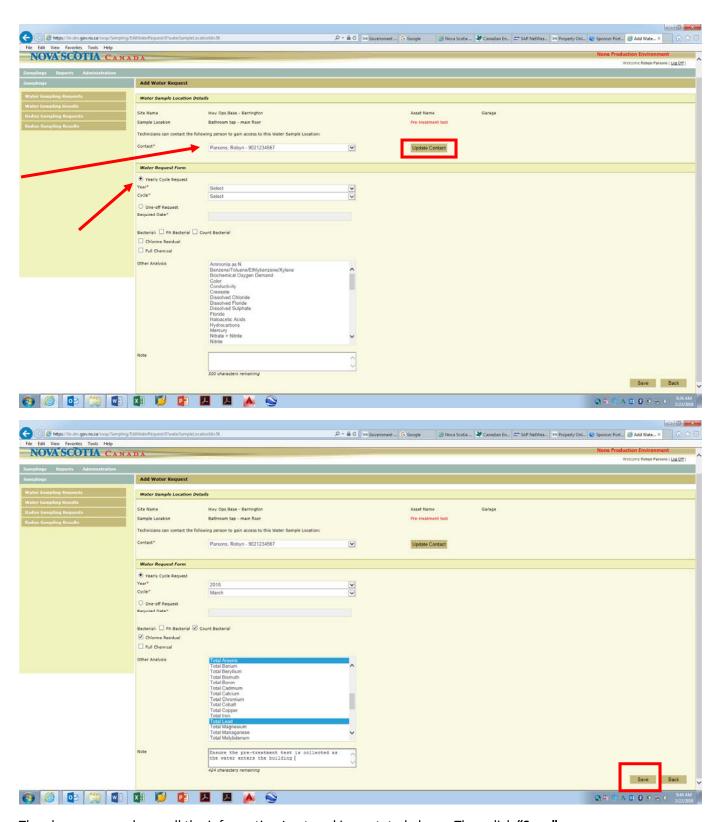


I will select the water sampling location already highlighted in blue.

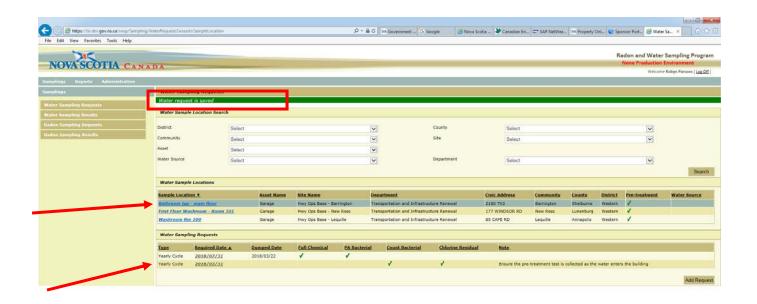
The next step is to click on "Add Request" and the following screen will appear:

So here I will be filling the following:

- First I will check to see if the contact person is correct and if not I will scroll down the drop down list select the appropriate person and then click "Update Contact";
- > I will then click the radio button noting "Yearly Cycle Request";
- I will then select the year from the drop down list: 2018;
- I will then select the month from the drop down list: March;
- For Bacterial I will select: Count Bacterial;
- I want chlorine residual monitored so I will click on that;
- I want to select only certain parameters to be tested this cycle: Total Arsenic and Total Lead (note to select both hold the "Ctrl" key and you will be able to choose more than one parameter); or you could select Full Chemical if you wanted for this cycle;
- There is also a spot where you can enter notes I entered: Ensure the pre-treatment sample is collected as the water enters the building.



The above screen shows all the information I entered in as stated above. Then click "Save"

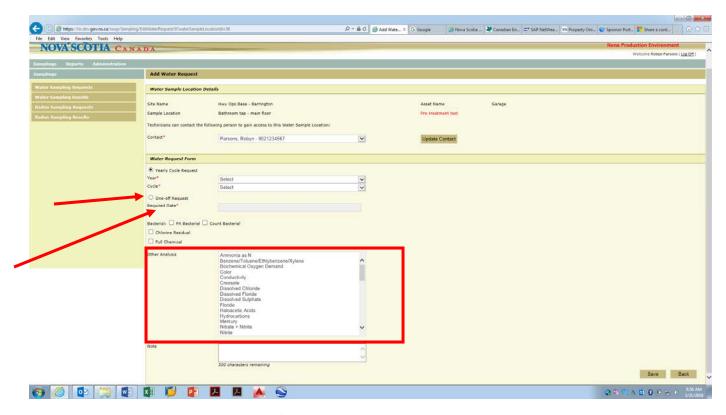




From the above screen you can see that the request was saved as highlighted in green and the request is noted by the red arrow in the bottom section of the screen and the sampling location is highlighted in blue.

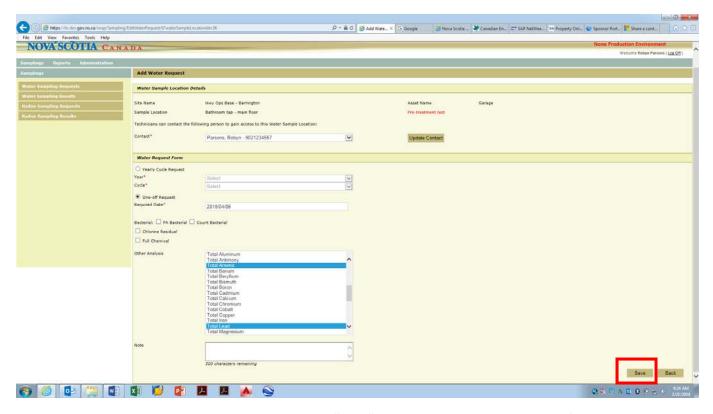
## One-of Sample Requests

Again to submit a one-of sampling request click on "Water Sampling Requests" and click "Add Request" and the following screen will appear: note you will need to select your site you want sample first from the Water Sampling Request screen either by using the drop lists at the top or by scrolling down the list and clicking on it to highlight it blue.

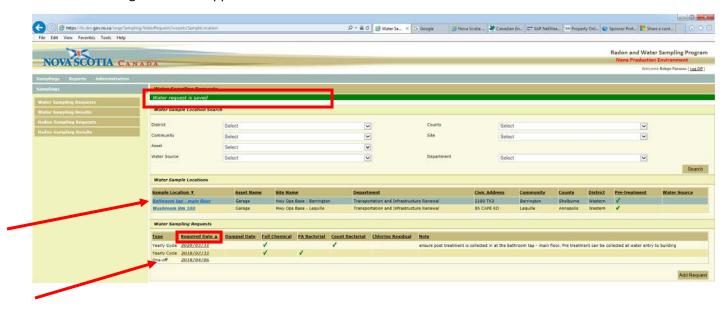


Here on this screen you will see the one-of radio button and the required date that you need the sample collected. The required date will appear as a calendar and you just need to determine the date and month and year you want your sample collected in.

Once you select the one-of sample and the date and month and year you want the sample collected you can go ahead and select what you want the sample collected for this example I chose to select "Other Analysis" again if you feel you need to add notes to your request you can in the note box located at the bottom of the screen. The following screen shots shows my sample request.

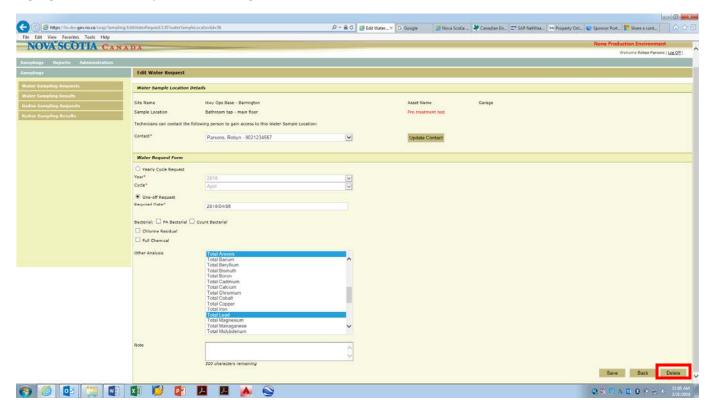


Once you have completed your request you can click "Save" in the lower right hand corner of the screen and the following screen will appear:



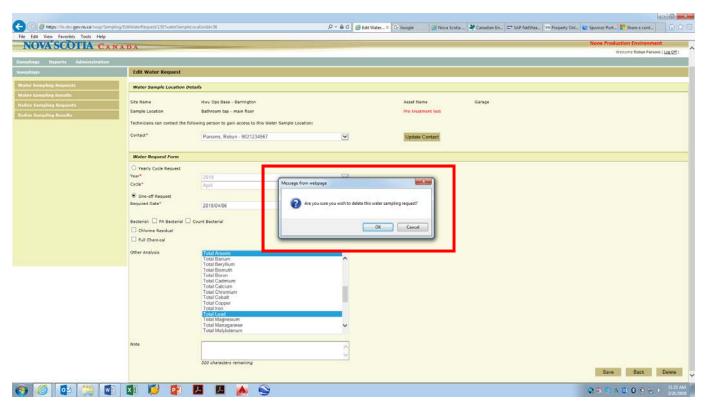
From this screen you will note that at the top of the screen highlighted in green the sample request was successfully saved, the water sample location being tested is highlighted in blue and the sample request is noted at the bottom of the screen as one-of with the required date for collection. Note: it may not state what analysis is being requested but that information will be passed on to the contractor during the data dump.

Again if you want to review the request as with the yearly request simply click on "Required Date" as highlighted above and you will be brought back to this screen:

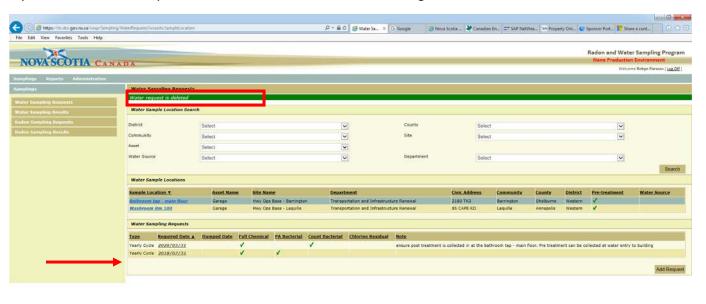


And you will note at the bottom "Save", "Back" and "Delete". Here you can review your sample request information as well as the contact information. As noted in the yearly cycle sample review you can change the contact by clicking the drop down list, selecting the appropriate person and clicking "Update Contact". If the name does not appear in the drop down list you will have to back to "Administration" under "Contacts" to create a new one.

If after your review you decide that the sample request is no longer needed you click on "Delete" and the following screen will appear as in the yearly cycle when the delete request as be activated you will be asked are you sure you want to delete this request and if so click "OK" and if not click "Cancel".



If you click "OK" the sample will be removed as noted in the following screen:

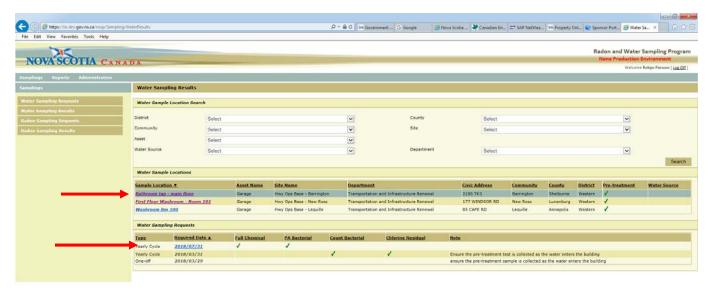


Here on this screen you will note the change was saved highlighted in green at the top of the page and the sample is removed at the bottom of the page red arrow.
The same example procedure layout for the yearly cycle can be followed for the one-of sample request

### 4.0 Water Sampling Results

The following will guide you through how to view your results.

When you click on "Water Sampling Results" you will be brought to this page:





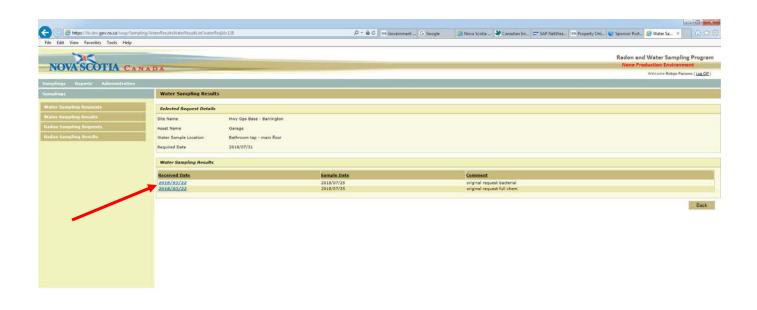
Here in this screen you will have the option of searching for your water sample location by using the drop down lists noted at the top or scrolling through the list of water sample locations located in the middle of the screen. Once you have found your water sampling location highlight it in blue and the sample requests associated with that asset will appear below.

From this screen you will note the water sampling location is highlighted in blue as noted by the red arrow and the results that are available are also noted by the red arrow but please note under "Required Date" the date is highlighted in blue and is underscored meaning there are results available for the date.

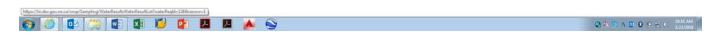
To view the results click on the highlighted required date and the following screen will appear:

On the following screen you will note in the original request there was a request for bacteria and full chemical. And you will also note on this screen that the required date is highlighted in blue and underscored.

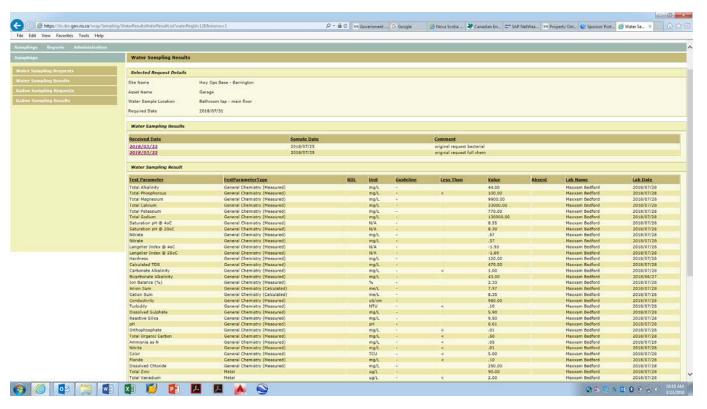
To view the result click on the highlighted required date and the following screens will appear:







This screen shows the bacterial results. To view the full chemical results you can click on the highlighted date at the top and the following screen will appear:

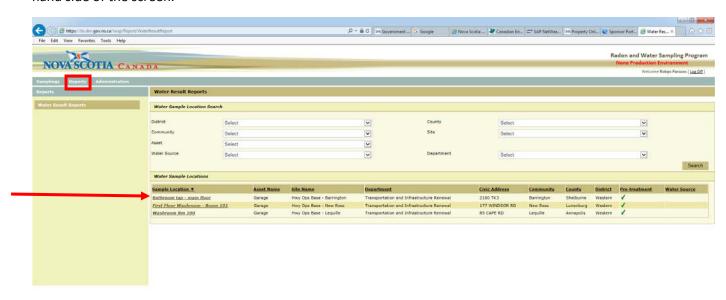


Note: not all results are shown as the screen was too big but you can see results for parameters that were tested under full chemical request.

#### 5.0 Reports

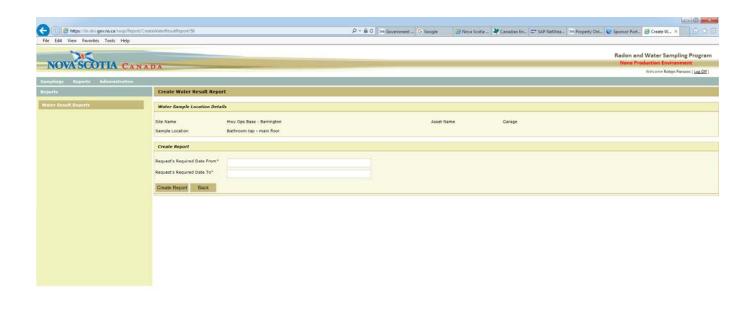
The following will guide you through the steps needed to create/view a report of the results for your water sampling locations.

When clicking on "Reports" at the top of the screen you will be automatically brought to this screen. Which is the same screen as if you were to click on the "Water Results Reports" in the menu on the left hand side of the screen.





The first step to creating a report is to pick the water sample location you are looking for. You can do either by using the drop down list noted above or by scrolling through the list under "Water Sample Locations". For this example I will select the first water sample location in the list as noted by the red arrow. Once found click on your sampling location and you will be brought to the following screen;

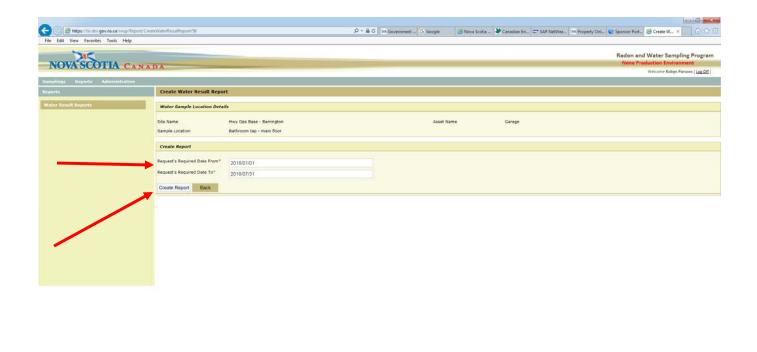


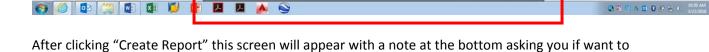


To create your report you need to enter in the "Request Required Date From" to "Request Required Date To". For this example I will select the following dates:

- Request Required Date From: 01 January 2018;
- Requested Required Date To: 31 July 2018;

Then click "Create Report" and the following screen will appear:



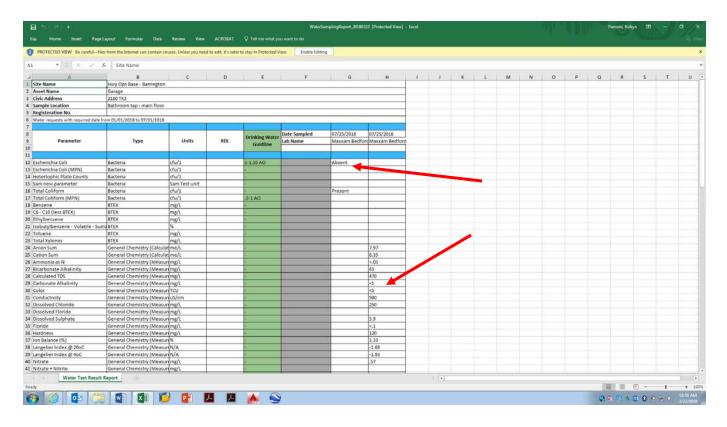


Open Save ▼ Cancel >

By clicking on "Open" the following screen will appear:

"Open" or "Save" or "Cancel".

From the screen below you can see results for the water sample location in an excel spreadsheet.



As noted above there was also the option of "Save" and note there is an arrow on the save button with gives three options:

- Save;
- Save as; and
- Save and Open.

By clicking on the "Save" option the following screen will appear:

On this screen you will notice three more options:

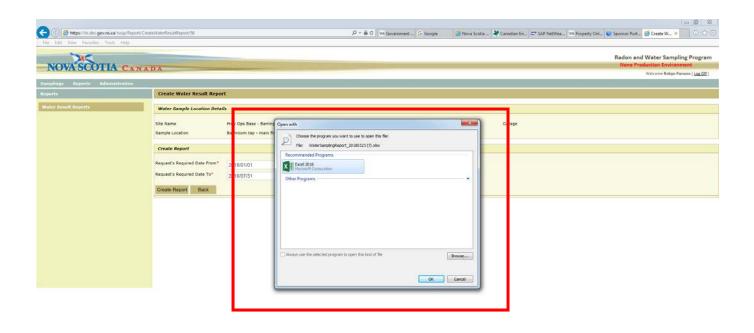
- Open;
- Open Folder; and
- View Downloads.

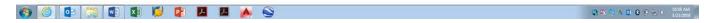
Note the open option with an arrow has two options:

- Open; and
- Open with.

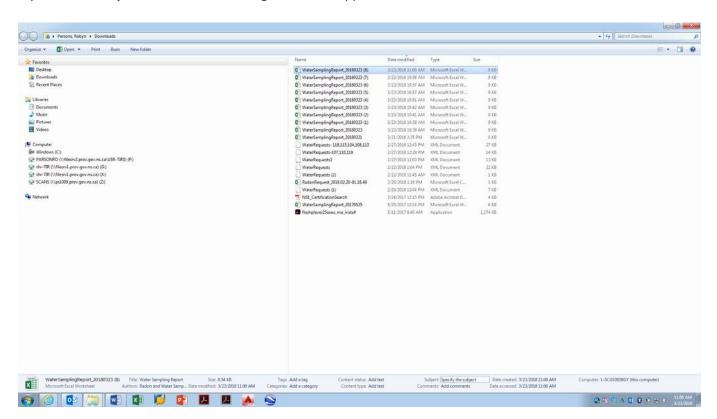
If you choose "Open" the results spreadsheet will open as noted above;

If you choose "Open with" the following screen will appear: and it is asking what program other than excel do you want to open the file will.



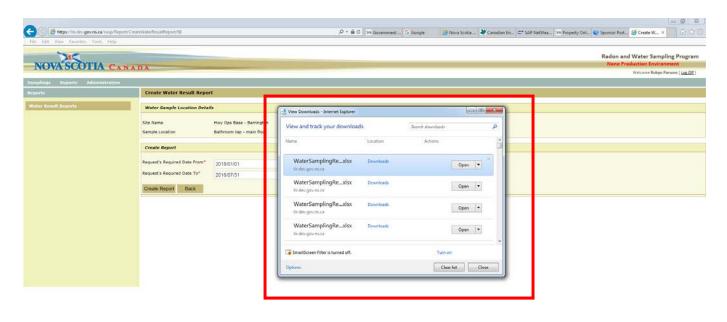


If you choose "Open folder" the following screen will appear:



It is asking you want folder you want to open from an already download document.

If you click on "View downloads" the following screen will appear noting all the recent downloads you have created:

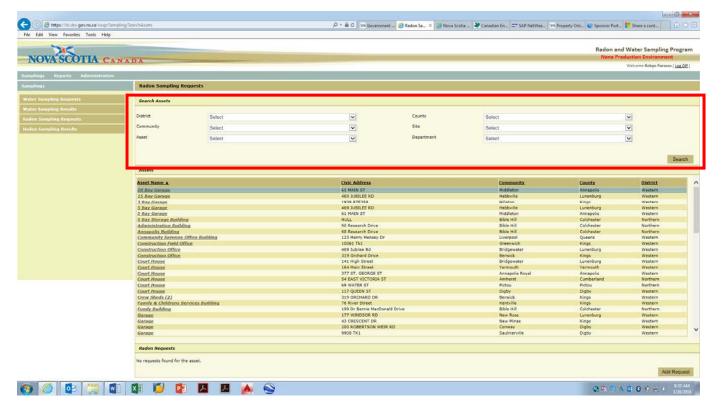




And if you select "Cancel" the screen will remain the same.

## 6.0 Radon Sampling Requests

When ready to make a radon request simply click on "Radon Sampling Requests" on the left hand side of the screen, when doing so the following screen will appear:



Once this screen is brought up you have two ways of searching for your asset that you want testing completed on. The two ways are:

1. In the "Search Assets" at the top section of page you can fill in all the drop down lists pertaining to your asset and it will appear in a single line under "Assets". Example:

In the example, I selected:

District: Western;

County: Lunenburg;

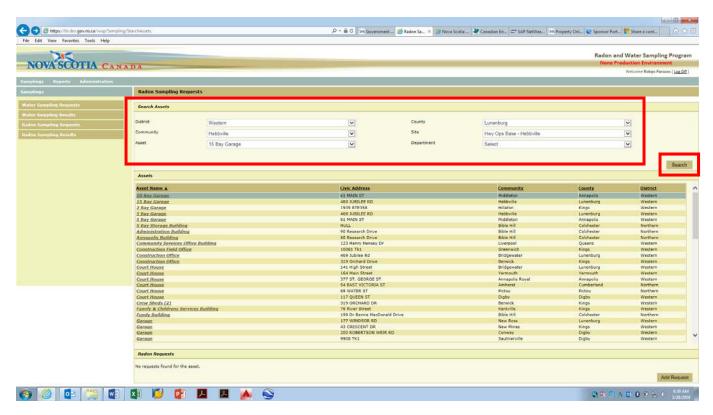
Community: Hebbville;

Site: Hwy Ops Base – Hebbville;

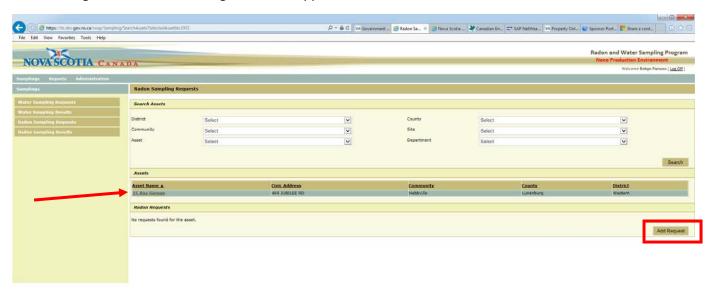
Asset: 15 Bay Garage; and

Department: Transportation and Infrastructure Renewal

Once this is all filled out click "Search"



After clicking "Search" the following screen will appear:

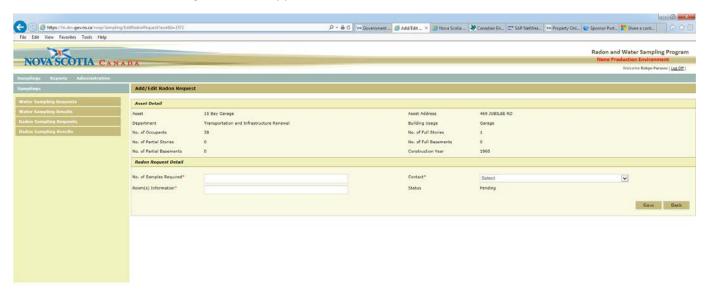




The searched site will appear under "Assets"

2. The second option is to scroll down the list and find your asset you want testing completed on and click on the same screen as above will appear.

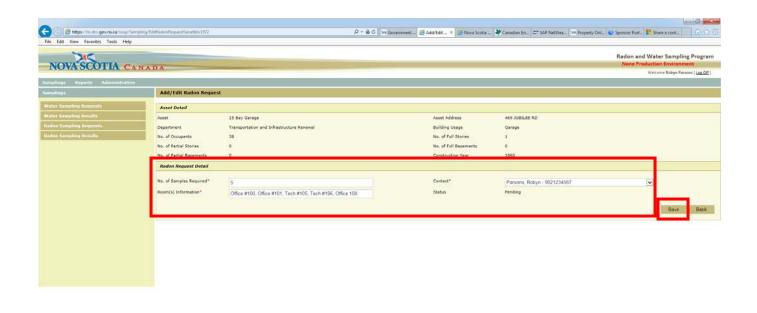
To make a radon request for your selected site click on "Add Request" in the lower right hand corner as shown above and the following screen will appear:

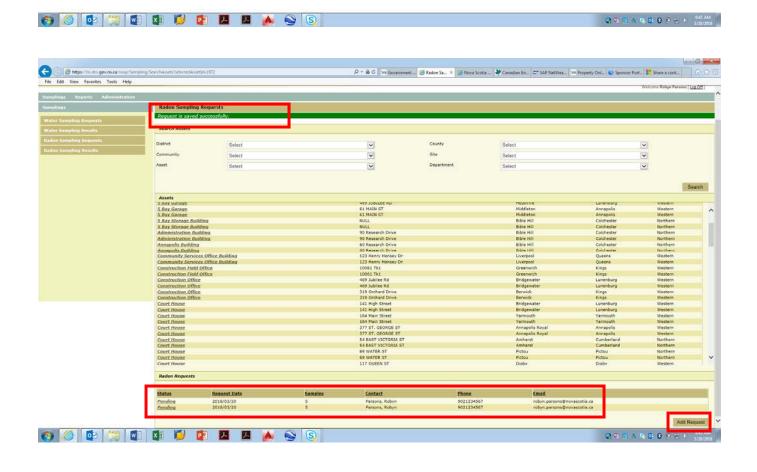




Here you will be able see details on the selected asset and under the "Radon Request Detail" you will enter the number of samples required, the rooms to be tested and the site contact. This area also shows the status of the request.

So by going ahead and filling the required information for the request and clicking **"Save"** the following screens will appear:



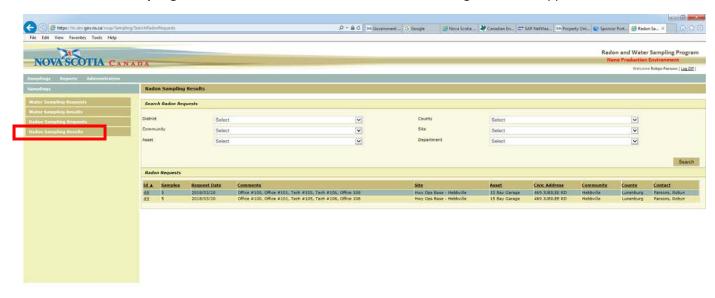


From this screen you can see at the top that the request was successfully saved, and at the bottom it notes the status of the request, the date requested, the number of samples, the contact person, phone number and email address.

If you want to make another request for this site simply click on "Add Request" in the lower right hand corner.

## 7.0 Radon Sampling Results

Click on "Radon Sampling Results" in the left hand menu and the following screen will appear:





Once this screen is brought up you have two ways of searching for your asset that you have requested testing to be completed on. The two ways are:

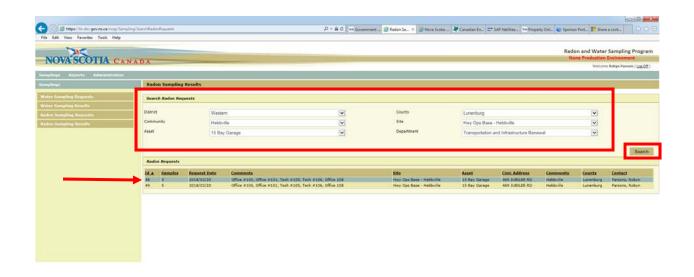
1. In the "Search Radon Requests" at the top section of page you can fill in all the drop down lists pertaining to your asset and it will appear in a single line under "Assets". Example:

In the example, I selected:

- District: Western;
- County: Lunenburg;
- Community: Hebbville;
- Site: Hwy Ops Base Hebbville;
- Asset: 15 Bay Garage; and
- > Department: Transportation and Infrastructure Renewal

Once this is all filled out click "Search"

2. The second option is to scroll down the list and find your asset you want testing completed on and click.





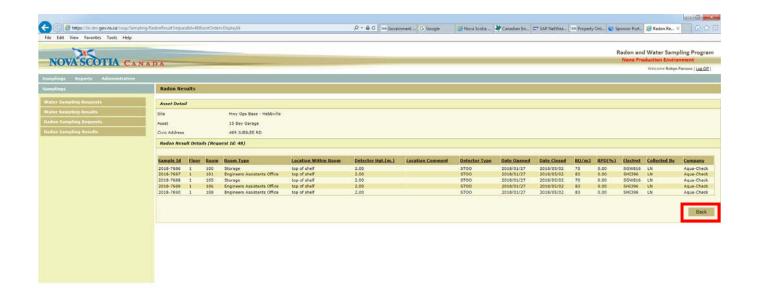
1. After click "Search" the following screen will appear:





This screen lists all the sampling/testing locations that match the criteria you entered in from the drop down lists.

To view results for any of the sampling/testing locations noted in the search you will have to click on the <u>"Id"</u> on the left hand side of the screen and the following screen will appear.





The results show values for the following:

- Sample ID;
- Room Number;
- Room Type;
- Location within Room;
- Detector Height;
- Location Comment;
- Detector Type;
- Date Opened;
- Date Closed;
- $\triangleright$  Result in Bq/m<sup>3</sup>;
- Relative Percent Difference (RPD);
- Electret Number;
- Collected by; and
- Company.

If there are additional results to view for this particular site simply click "Back" and it will take you back to list of results available.