Technical Service Bulletin

To: NeXGen Service and Help Desk Personnel

From: Allied Electronics Technical Support

Date: January 20, 2016

Re: ANDI_DGS FpCfg File Builder

The ANDI_DGS utility provides a feature that will build an FpCfg.xml file.

While the use of the FpCfg.xml provides additional flexibility, manually creating the FpCfg.xml file can be time sensitive.

The FpCfg File Builder not only makes its creation efficient, but also makes the process less prone to user error, which is common when creating XML files.
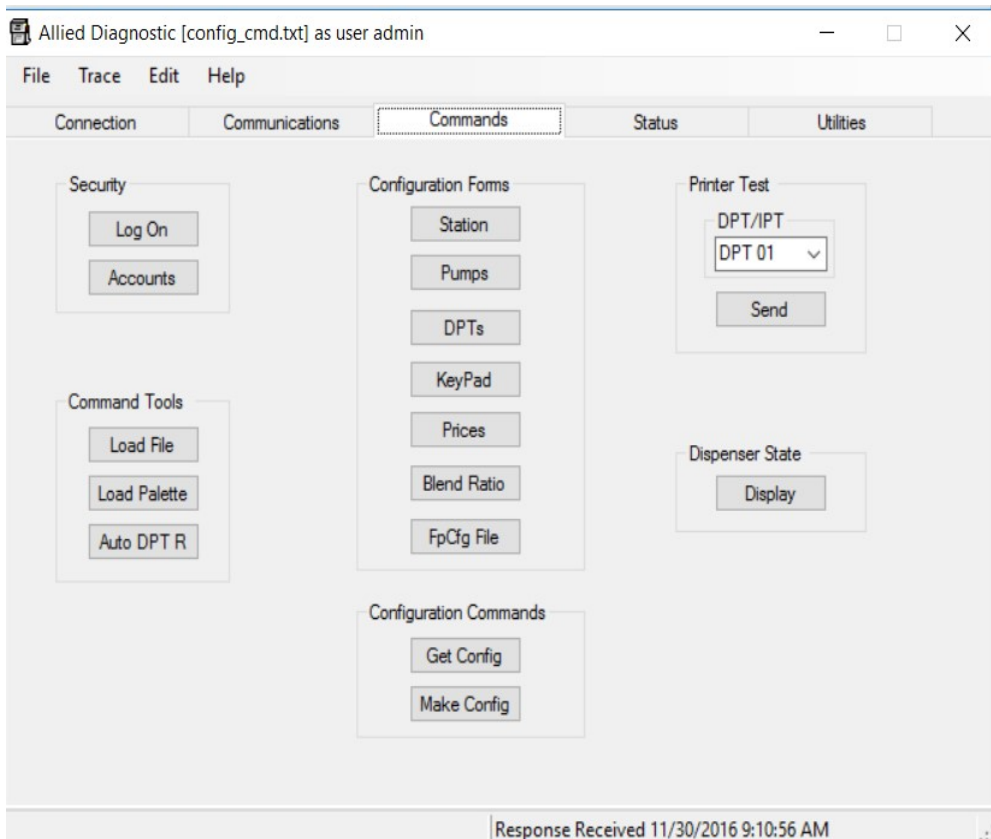
The following procedure assumes that the user has been trained on the ANDI_DGS utility (aka DGS) and is using a minimum DGS version of 4.2.5.

1) Launch the DGS utility and connect to the NXG via Ethernet Communications Mode.
2) Go to the **Commands** tab.

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Allied Diagnostic [config_cmd.txt] as user admin

File   Trace   Edit   Help

Connection | Communications | Commands | Status | Utilities

Security
- Log On
- Accounts

Command Tools
- Load File
- Load Palette
- Auto DPT R

Configuration Forms
- Station
- Pumps
- DPTs
- KeyPad
- Prices
- Blend Ratio
- FpCfg File

Configuration Commands
- Get Config
- Make Config

Printer Test
DPT/IPT
DPT 01
- Send

Dispenser State
- Display

Response Received 11/30/2016 9:10:56 AM

3) Under the "Configuration Forms" column, click "FpCfg File." The "FpCfg File Builder" form will appear.

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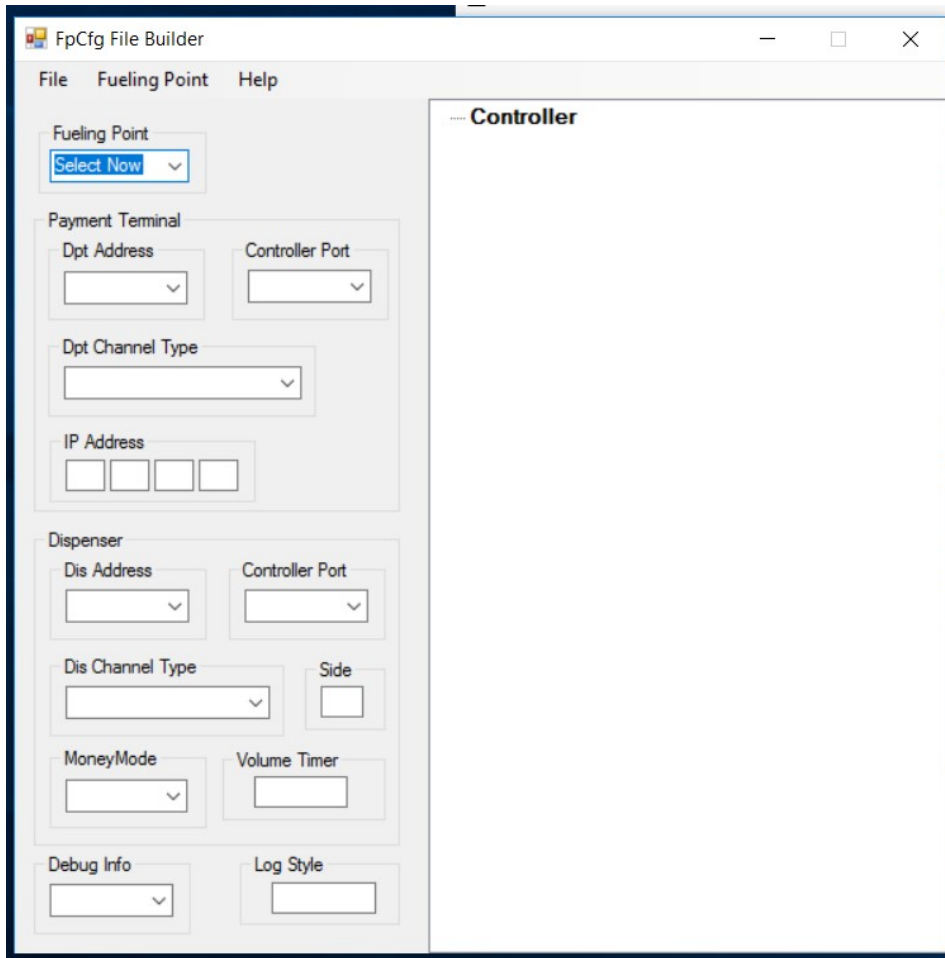
4) For purposes of this bulletin, we'll use Gilbarco as an example. Observe the highlighted text "Select Now" and click on the dropdown menu to the right. Select FP-1. FP-1 should appear in the *Fueling Point* box.

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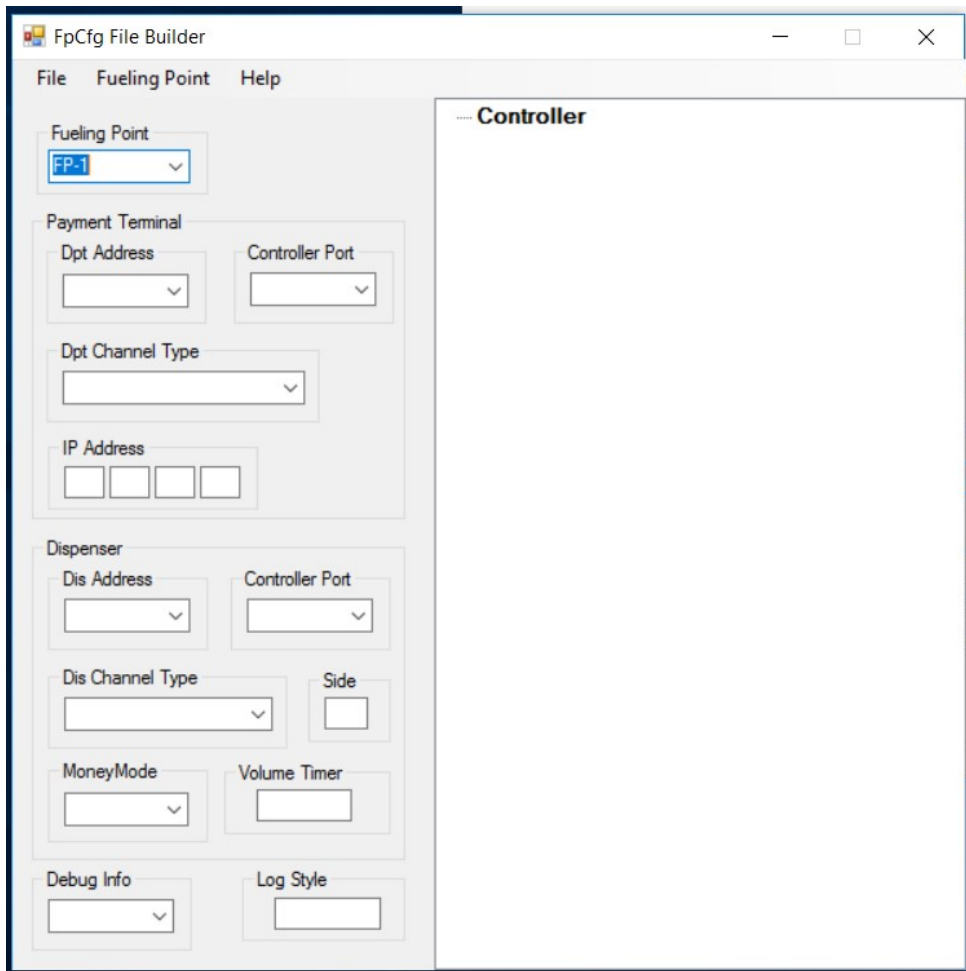
5) Under Payment Terminal, select the CRIND address from the "Dpt Address" dropdown menu and then select the assigned NXG CRIND port from the "Controller Port" dropdown menu. **Note: For up to 32 CRINDs on a single loop, use a 1:1 correlation regardless of the actual physical address. For example, pump 1 will use DPT 1. Pump 17 will use DPT 17. Pump 32 will use DPT 32. The CRIND itself must still be physically addressed 1 behind the fueling point address.**

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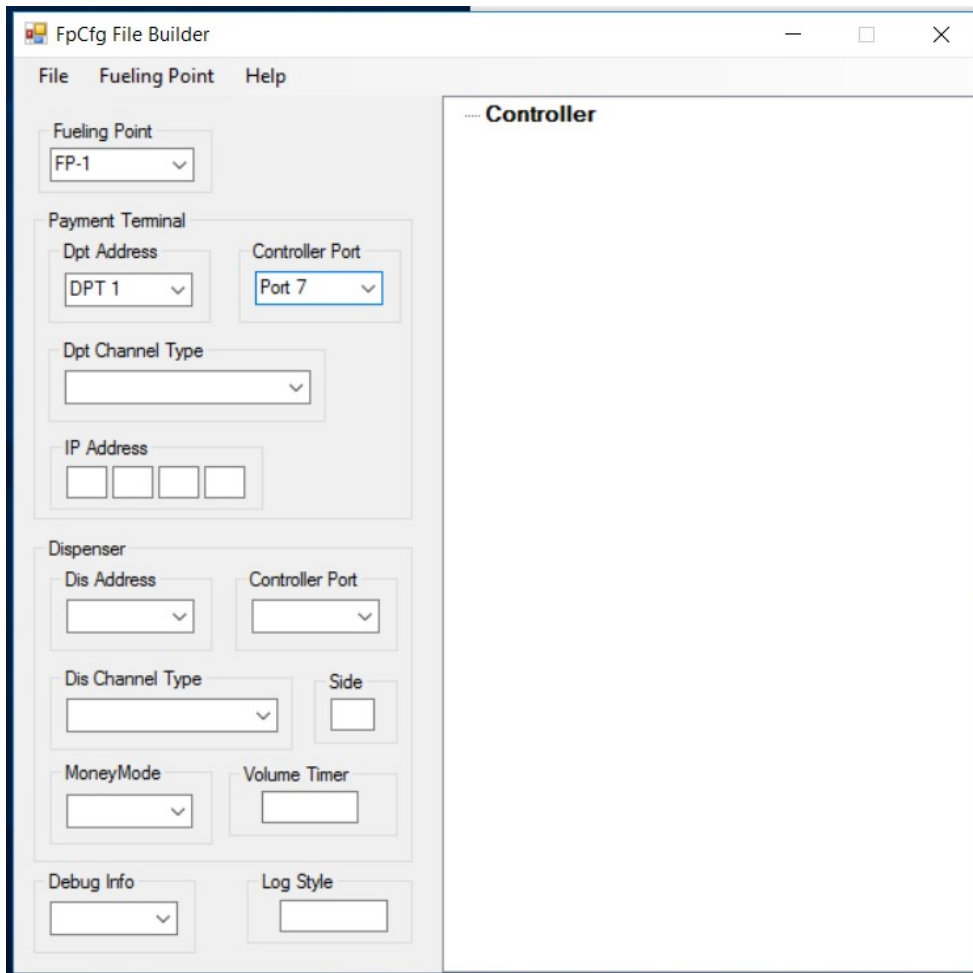
6) From the "Dpt Channel Type" dropdown menu, select the appropriate interface. For this example, Gilbarco CRINDs will use "Gilbarco 2 wire."

Because this is a serial 2-wire interface, you can leave the IP Address blank. In an EMV environment, the IP Address of the CRIND will need to be entered.

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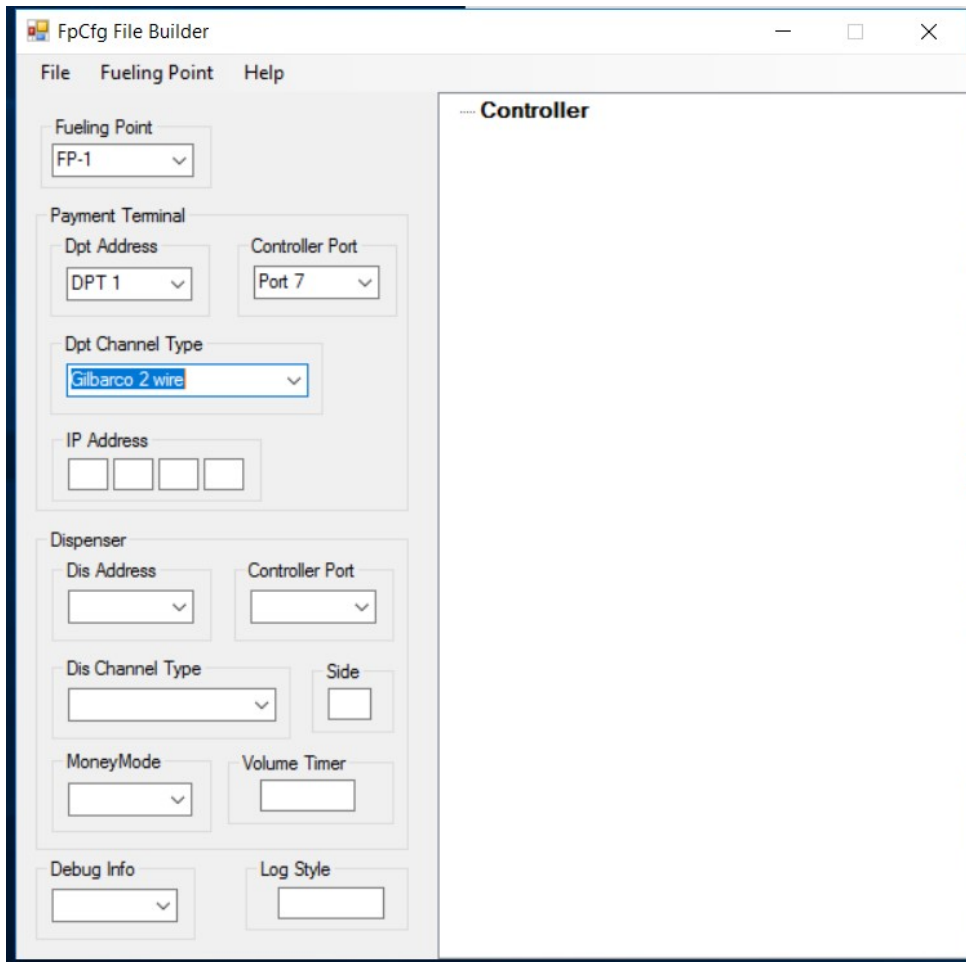
7) To configure the dispenser entry in the FpCfg.xml file, select the fueling point address from the "Dis Address" dropdown menu and then select the assigned NXG dispenser port from the "Controller Port" dropdown menu. **Note: In the FpCfg.xml file, you must select the actual physical address of the pump. For example, if fueling point 17 has a physical address of 9, select '9' as the Dis Address.**

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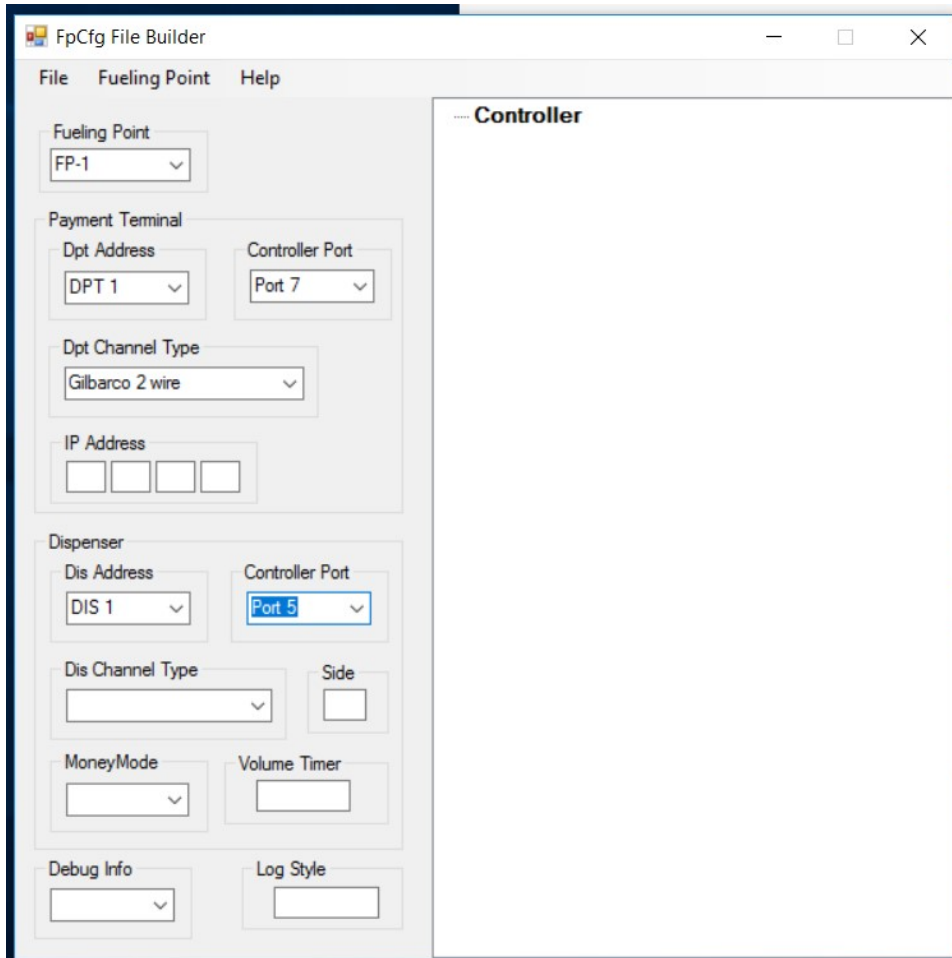
8) From the "Dis Channel Type" dropdown menu, select the appropriate interface. For this example, Gilbarco dispensers will use "Gilbarco 2 wire."

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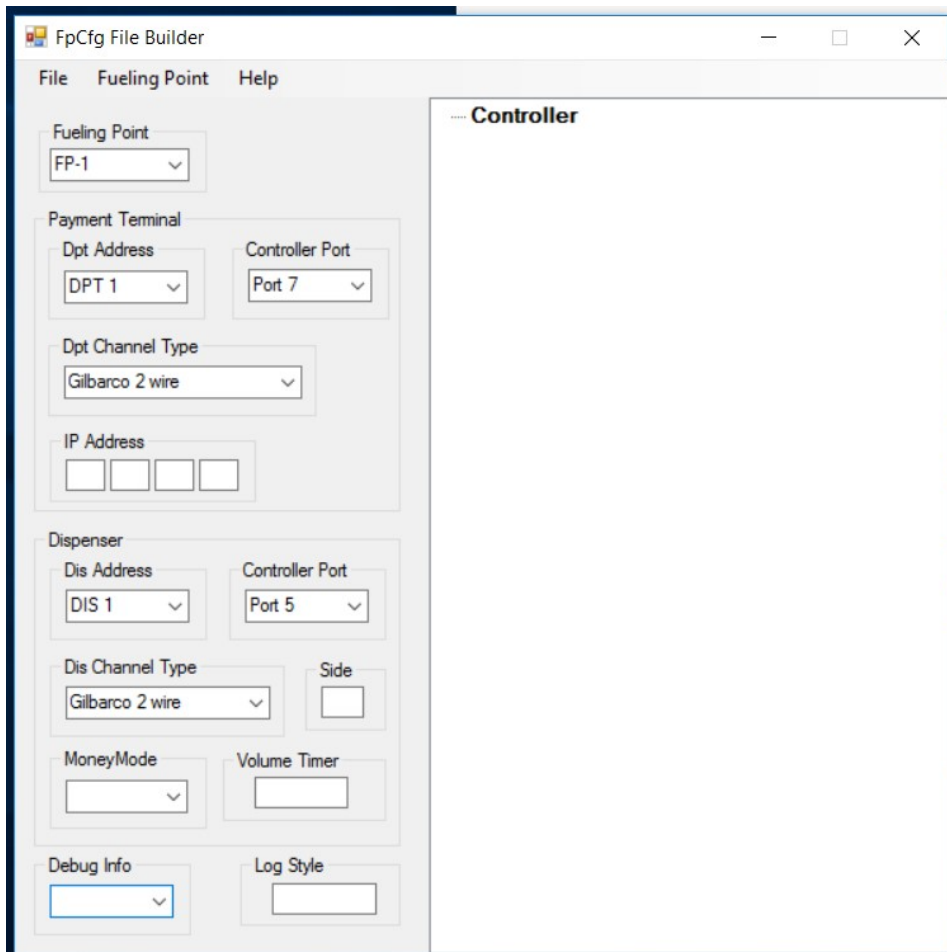
9) The remaining settings are optional. Certain dispenser types (i.e. Gasboy) may require the Side A/B designation. Additional settings may be configured at the direction of Allied technical support.

10) From the "Fueling Point" dropdown menu along the top of the screen, select "Add". A dialogue box will appear warning that you must use file format 2. This is the format for an FpCfg.xml that includes entries for fueling points as well as card readers.

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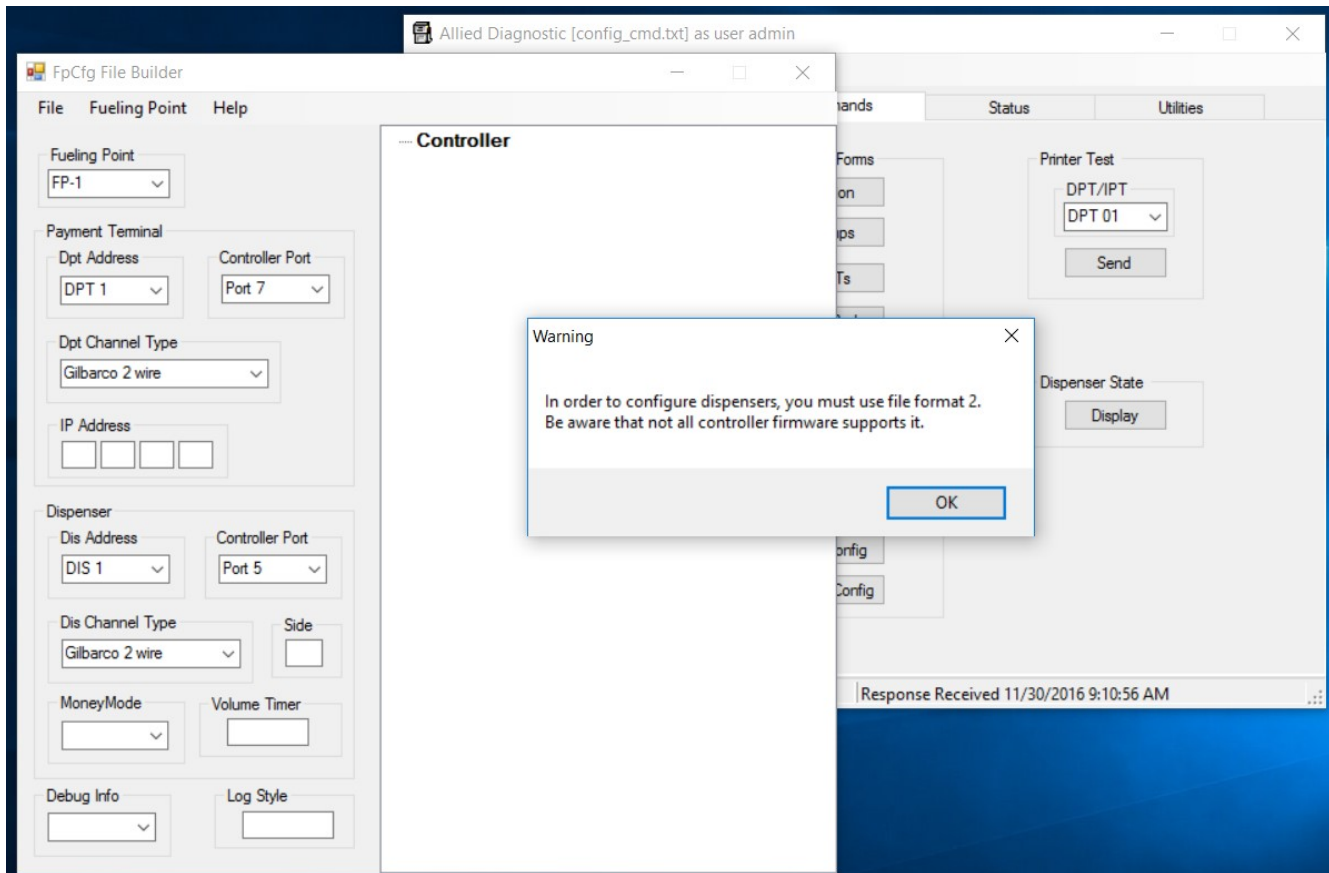
11) Click "OK" on the dialogue box and this will cause the entry for FP-1 to appear in the Controller window. You will also notice that the "Fueling Point" box is grayed out.

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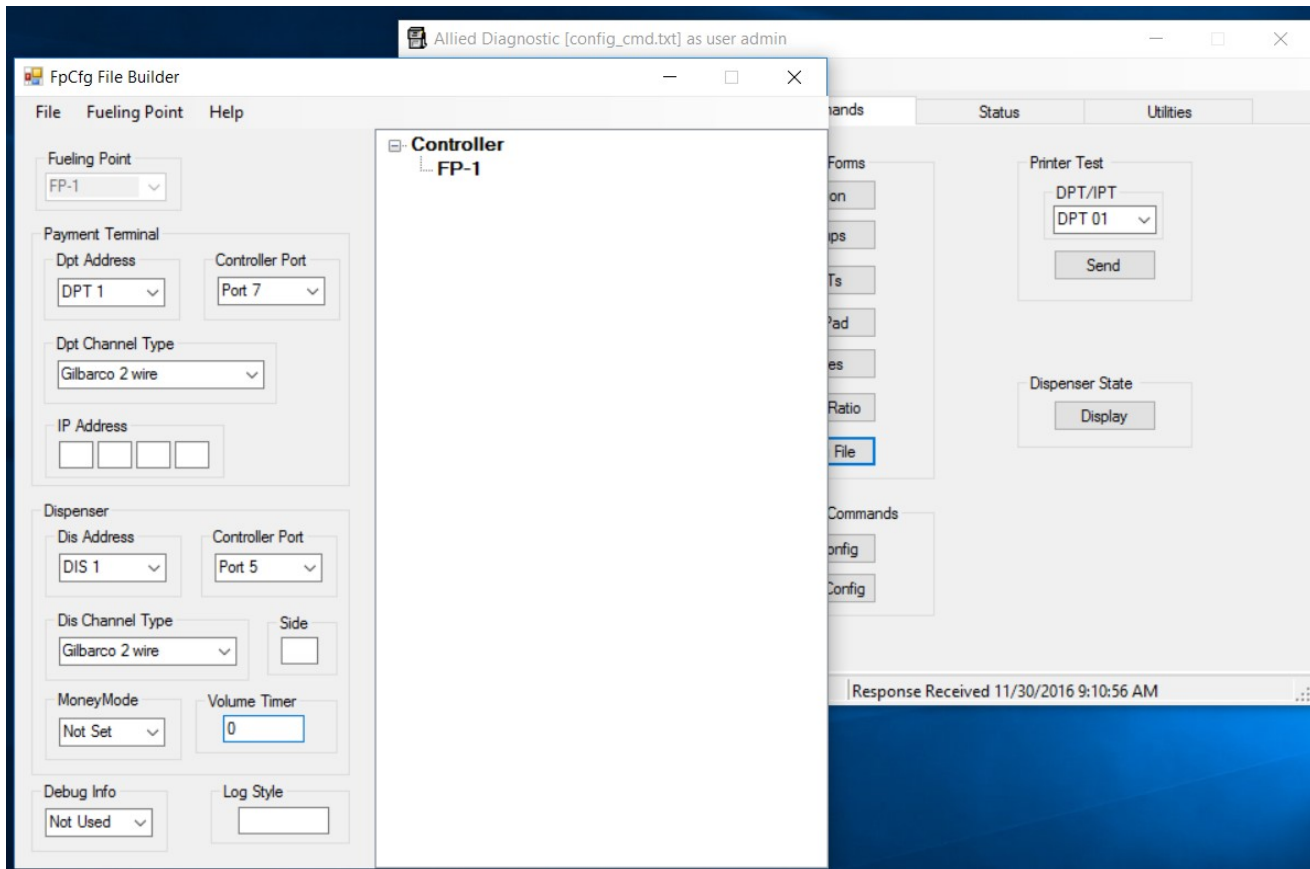
12) To add an entry for another fueling point, click on "Controller." You will notice that the "Fueling Point" box displays "Select Now". You are now ready to add another fueling point to the FpCfg.xml.

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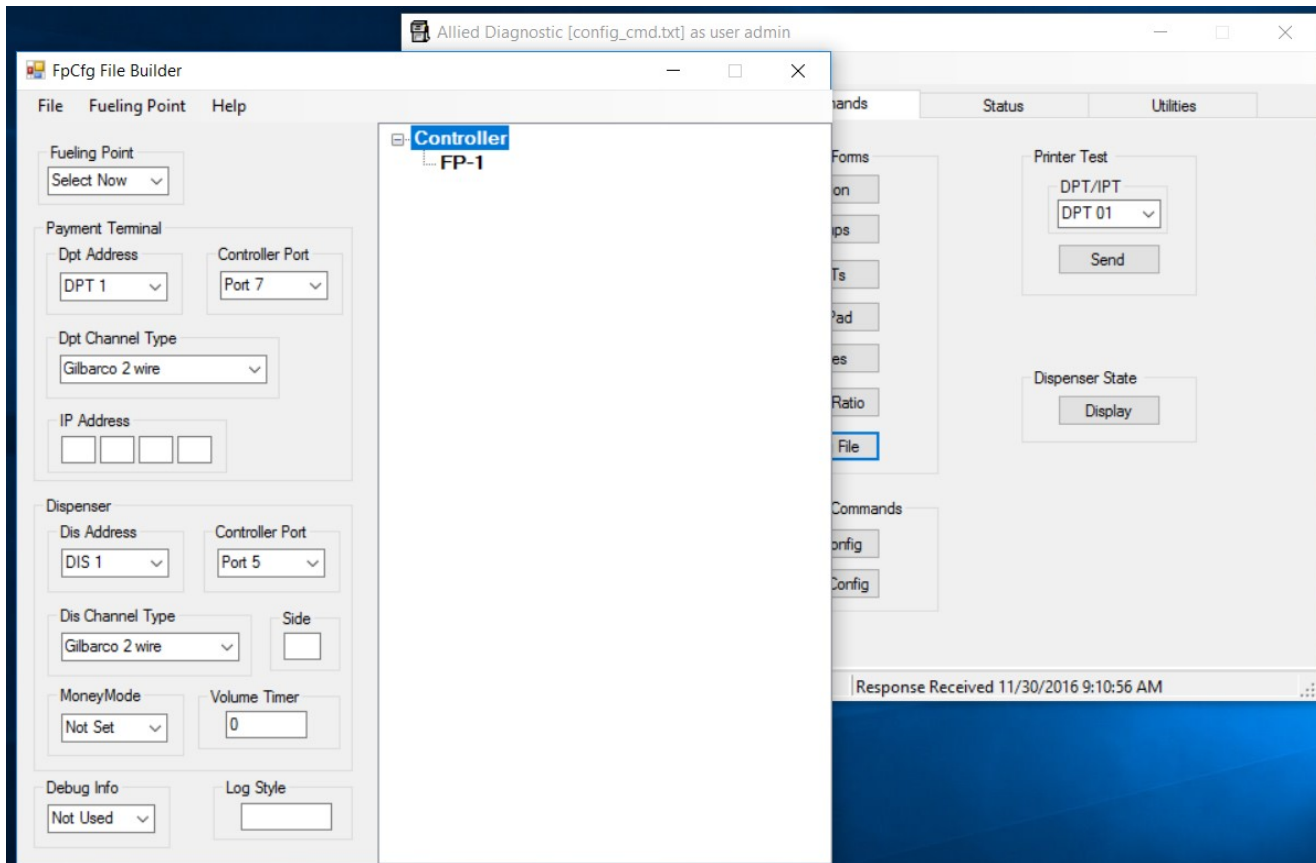
13) Observe the highlighted text "Select Now" and click on the dropdown menu to the right. Select FP-2. FP-2 should appear in the Fueling Point box.

14) Change the Payment Terminal and Dispenser fields accordingly and "Add" your new entry as described above.

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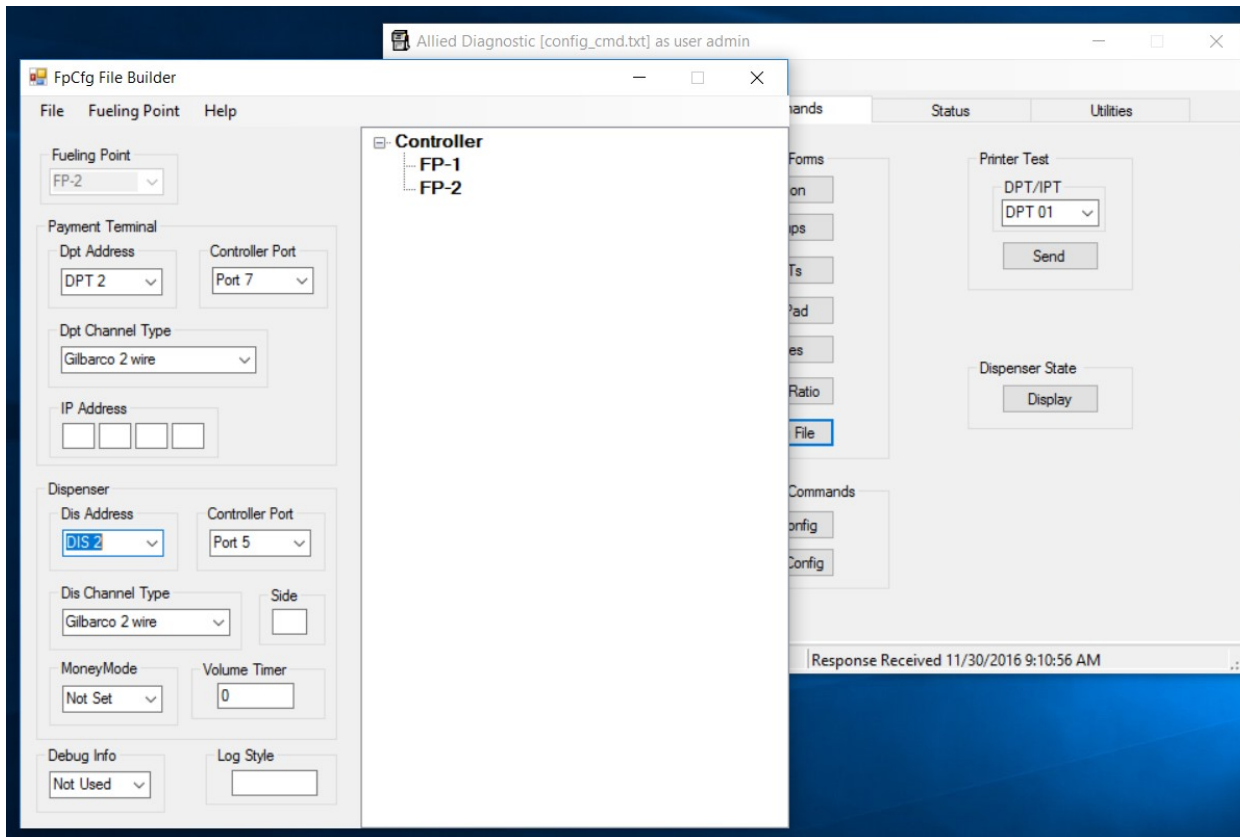
15) Continue adding your fueling points. When you are finished, go to the above dropdown menus and click *File->Save*. This will allow you to save your FpCfg.xml file anywhere you wish, but will default to the *C:\Program Files (x86)\Allied ANDI Diagnostic* folder.

The contents of your new FpCfg.xml file in the above example should look like this:

```
<FpCfg>
 <Version>1</Version>
 <Format>2</Format>
 <FP Id="1">
  <DptChType>CH_TYPE_GIL_CRIND</DptChType>
  <DptPort>7</DptPort>
  <DptAddr>1</DptAddr>
  <DisChType>CH_TYPE_GIL_DIS</DisChType>
  <DisPort>5</DisPort>
  <DisAddr>1</DisAddr>
 </FP>
 <FP Id="2">
  <DptChType>CH_TYPE_GIL_CRIND</DptChType>
  <DptPort>7</DptPort>
  <DptAddr>2</DptAddr>
  <DisChType>CH_TYPE_GIL_DIS</DisChType>
  <DisPort>5</DisPort>
  <DisAddr>2</DisAddr>
 </FP>
</FpCfg>
```

Contact Allied Electronics Technical Support with any questions or concerns:
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