

## 1 Upgrading v2.1.3 to v2.1.4

### 1.1 The Issue

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Version 2.1.4 of the Monitoring Access Database inserts the Analytical Method Name now instead of the Anyalytical Method ID. There are also changes to a few of the FIPS County codes that were missing leading zeroes. If you have not started entering data into the Monitoring Access Database you can obtain the latest version which is not affected by this issue from the Data User Corner at <http://www.epa.gov/waterscience/beaches/grants/datausers/index.htm>.

### 1.2 The Resolution

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There are two methods which can be used to resolve this issue. You should choose the most appropriate method for you depending on your level of comfort with the Monitoring Access Database.

#### 1.2.1 EPA Assisted Resolution

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You can email your Monitoring Access Database to [erik.richards@cgifederal.com](mailto:erik.richards@cgifederal.com). The changes will be made for you and your database will be returned to you promptly.

#### 1.2.2 Independent State Resolution I

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You can generate xml containing your monitoring data in your v2.1.3 database and use the Load XML feature of the v2.1.4 database to copy your data. Following these steps to make the fix:

1. Make a copy of your v2.1.3 Monitoring Access Database as a backup.
2. In your v2.1.3 Monitoring Access Database - Old
  - a. Open the Forms tab.
  - b. Click on Generate Insert/Update XML.
  - c. Fill in the blue text fields that are required.
  - d. Click on Generate XML.
  - e. Save your XML file to the desktop.
  - f. Exit the database and save changes.
3. In your v2.1.4 Monitoring Access Database – New
  - a. Open your Forms tab.
  - b. Click on Load XML.
  - c. Browse to your XML file you created in 2e.
  - d. Click on Delete Records. This will remove the example records contained in the Monitoring Access Database.

- e. Click on Load XML. Depending on how many records you have this may take several minutes.
- f. Save changes and exit the database.

### 1.2.3 Independent State Resolution II

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You can make the necessary changes to the monitoring access database yourself. Following these steps to make the fix:

1. Make a copy of your v2.1.3 Monitoring Access Database as a backup.
2. In your v2.1.3 Monitoring Access Database - Old
  - a. Open the Modules Tab.
  - b. Open the XML Generation Code File.
  - c. Find the following line of code:
    - i. `CE_Result_Analytical_Method.appendChild CE_Leaf_Node(RES_UID, XML_METHOD_IDENTIFIER, SQL_RESULT, SQL_RES_UID_WHERE, COL_RESULT_ANALYTICAL_METHOD_IDENTIFIER)`
  - d. Replace the above line with the following line of code:
    - i. `CE_Result_Analytical_Method.appendChild CE_Leaf_Node(RES_UID, XML_METHOD_IDENTIFIER, SQL_RESULT, SQL_RES_UID_WHERE, COL_RESULT_ANALYTICAL_METHOD_NAME)`
  - e. Close XML Generation Code Window.
  - f. Open the Tables Tab.
  - g. Right click on the REF\_COUNTY\_FIPS\_CD table and delete the table from your database file.
  - h. Click on Insert > Table.
  - i. Click on Import Table and click OK.
  - j. Browse to the v2.1.4 Monitoring Access Database - New.
  - k. Click on the REF\_COUNTY\_FIPS\_CD table and click OK.
  - l. Save changes and exit the database.