

Regulatory Contact Records

Task Name: TO-001 GR851000 – SP Decision Document Prep

Regulatory Contact: Christopher Scott of Gannett Fleming, representing EPA.

Subject: Comments Regarding Solar Ponds Database (listed below)

1. It appears that at least two tables are being used to store information related to sample locations: tbl_101Sample_Locations and New_AOC_Locations. These tables do not manage the same types of information related to the locations, however. To make the data set consistent, it would be very helpful if, for example, the table tbl_101Sample_Locations contained the same types of information as New_AOC_Locations. Could these data be provided?

2. It appears that sample identification data are managed in a number of tables. To date, I have not been able to link every sample to a location. It seems that every sample should have a corresponding location (a many to one relationship in database terms, where one location could have many samples). It is unclear how sample identification should be treated in the data set.

3. It is unclear why RADMS analytical data are separate from KG Liner data. It is unclear how these data are being managed in terms of samples and locations (i.e. which tables should have relationships between the numerous tables managing locations, samples, and analytical results). Further, the two tables do not manage the same types of information. This issue must be resolved to facilitate our understanding of the data provided in the database.

4. Tables dbo_tblQualifiers, dbo_tkVAL-QUALIFIER_CODE, and dbo_tkRESULT_VG all seem to manage information related to qualifiers used in the analytical data set. However, the same qualifier (for example "U") appears to have been used to indicate different qualifier values. Moreover, the same alpha/numeric value is sometimes used based on the presence of a space (for example, " A"). It is unclear how these issues should be addressed in the data set. Further, it is unclear how relationships between these tables and the tables managing analytical results should be established.

5. CAS numbers presented in tables RFCA Surface Soil, RFCA Subsurface Soil, BKGD_Surface Soil, BKGD_Subsurface Soil, and tkpCAS do not appear to always refer to the same analyte. I have attached Microsoft Excel spreadsheets describing this problem, as the differences are frequently not at the level of trichloroethene versus trichloroethylene. This issue must

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be resolved if confidence that the analyte being reported is the actual analyte for which the analysis was run.

Action: Christopher Scott was notified that questions would not be addressed until the week of June 24th.

Resolution: None

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