Appendix "K" - Quality Assurance

The District and CARB uses the Quality Assurance (Q/A) Report feature of HARP to check for the consistency and completeness of the data. The "Q/A Report" feature is found by clicking on 'Reports'. There are eight quality assurance reports. Click on the desired report or reports you want. Missing, inconsistent, and uncompleted data will be flagged. If all the data for a given Q/A Report passes all the checks, the report(s) will be blank. The goal is to have all reports blank. However, this is not possible for all situations because of the limitations of the program. When this occurs, a note explaining why the flag still exist should be placed on the report. Submit final Q/A Report as either a file on the inventory disk or in hardcopy.

The number or numbers at the right end of each line of flagged data identifies the reason for being flagged. The explanation for each number can be found in the upper left of the report.

The eight Q/A Reports and their function are as follows:

1. Facility without emissions — The database does not have any 'Emission Records' for the listed 'Facility Record'.

2. Stacks without emissions — The database does not have any 'Emission Records' for the listed 'Stack records'. Each 'Stack Record' should be linked to a 'Process Record'.

3. Devices without emissions — The database does not have any 'Emission Records' for the listed 'Device Records'.

4. Processes without emissions — The database does not have any 'Emission Records' for the listed 'Process Records'.

5. Stacks without processes — The database does not have any 'Process Records' for the listed 'Stack Records'.

6. Emission Data Q/A — This Q/A report checks the 'Emission Records' for the following five items:
   A. Control efficiency is too high
   B. Process rate shown but operating schedule is zero (or vice versa)
   C. Annual emissions are zero (0) and process rate is not equal to zero (or vice versa)

	D.	Calculated emission is not within 105 of reported (inputted) annual emission
	E.	SCC has been deleted by EPA.

7.	Stack Data Q/A	This Q/A report checks the "Stack Records' for the following nine items:

        A.   UTM Coordinates are incomplete for the stack and/or facility

        B.   UTM Coordinates are out of expected range

        C.   Stack height is too tall or short

        D.   Stack diameter is too large or small

        E.   Stack diameter exceeds 0.4 times the stack height

        F.   Stack gas velocity is too slow or fast

        G.   Stack temperature is out of expected range

        H.   Calculated stack flow rate is not within 10% of reported (inputted) flow rate

        I.   Stack is not attached (linked) to any 'Process Record'

8.	Process and Temporal Data Q/A	This Q/A report checks the 'Process Records' for the following 8 items:

        A.   UTM Coordinates for the facility are incomplete or out of range

        B.   Annual process rate is blank or zero

        C.   Maximum hourly process rate is blank or zero

        D.   Hours per day may be invalid

        E.   Days per week may be invalid

        F.   Weeks per year may be invalid

        G.   Maximum hourly process rate is inconsistent with operating cycle

        H.   Monthly throughput is incorrect or missing.