

## **Reporting Template for Tracking and Calculating Credits Under the ABT Program for Recreational Engines used in Snowmobiles**

### **I. Background**

A major component of the final rule for recreational engines (signed on November 8, 2002; 67 FR 68242) is the averaging, banking and trading (ABT) program for HC and CO. Manufacturers must track the implementation of these provisions based on the model year, engine family, and the HC and CO level to which the engine family is certified. In order to help streamline and standardize the process by which manufacturers submit information related to credits under the ABT program for snowmobiles, EPA has created an Excel-based template to assist manufacturers with the organization, presentation, and submittal of their data.

### **II. Reporting Template**

The Excel file contains four worksheets: Current MY Credit Calc, Field Descriptions, Summary, and Phase-In, which are described below.

- **Current MY Credit Calc:** This worksheet contains 9 data entry fields, which encompass the information for each engine family required to track HC and CO credits for Phase 1 and early reduction credits for Phase 2. Based on the data entered for these columns, the emission level and credit balance for each phase and parameter are automatically calculated in the box below the data entry cells. These values are based on the data entered and cannot be modified manually. This worksheet only applies to current model year calculations.
- **Field Descriptions:** This worksheet contains detailed notes on each of the 9 data entry fields in the first worksheet, including a description of the required data or information, how the data should be entered, the existence of any drop-down menus, and any other information that would be relevant to that field (including whether the field is a calculated value based on preceding entries in the spreadsheet).
- **Summary:** This worksheet provides an overall summary of the Snowmobile HC and CO credits that have been calculated from the first worksheet and allows the manufacturer to enter in credits from previous model years and traded credits so that banked credits can be properly applied and compared to current model year credits. This worksheet allows the manufacturer to outline how credits will be used to document compliance.

- **Phase-In:** For 2006, at least 50% of engine families (on a production-weighted basis) must be certified and on average, must comply with the applicable standards. In order to calculate the phase-in percentages, list all engine families in this worksheet along with the associated production numbers regardless of their participation in the ABT program. The phase-in percentage is listed below the data entry rows and total production numbers. Note that providing the data needed to calculate the phase-in percentages is optional.

### III. Entering Data for the Current Model Year

Before entering data in the Current MY Credit Calculation worksheet, it is important to ensure that the Excel file is set up to automatically calculate the data. To ensure that the data are calculated immediately upon entry, go to the Tools menu and select Options. In the window that appears, select the Calculations tab. In this tab, the option 'Automatic' should be selected.

Using the second worksheet ("Field Descriptions") as a guide, enter in the appropriate information for each data element in the 9 columns of the "Current MY Credit Calc" worksheet. The cells highlighted in yellow or orange as shown below the data entry rows, are calculated or preset values based on the information and data entered in the 9 columns. Some of the columns (e.g., Test Engine Power), are included for informational purposes only and do not affect the emission levels or credit balances. Each engine family (or portion of each engine family) that is subject to a specific standard or averaging set, should have its own separate line item entry. Note that some fields have drop-down menus that provide a specific set of choices.

Based on the information you enter, the template will calculate the corresponding emission level and credit balances for each phase and parameter below the data entry rows. Note that any extra rows that do not contain any data, can be left blank. If additional rows are needed, please contact EPA for a revised form and specify how many entries/rows will be required.

### IV. Summary

The "Summary" worksheet contains all current model year, banked, or traded HC and CO credits for Phase 1 and current model year and banked HC and CO early reduction credits for Phase 2. Note that since the Phase 1 and Phase 2 CO standards are the same, the CO credit balances in the Summary sheet are combined into one total. This sheet allows for the application of Phase 1 banked and traded credits to the overall current model year averaged balance. The initial step requires the entry of carryover or traded credit balances. The application and averaging of these existing credits with current model year credits is summarized in the second step. In this worksheet, any cells that are highlighted

in yellow or orange will be automatically populated based on information in the "Current MY Credit Calc" worksheet or from other data in this summary worksheet.

**Step 1: Current Credit Balances:** In the two rows following the Current MY Credits row, which is automatically populated based on data in the "Current MY Credit Calc" worksheet, enter credits acquired through trading and credits banked from prior years.

**Step 2: Application of Traded or Banked Credits to Current MY Balance:** Using existing traded or banked credits (as included in the "Current Credit Balances" section), indicate the number of credits that should be applied to the overall current model year credit balance.

The "Credit Balances after Application of Traded or Banked Credits" section of the worksheet is automatically populated with the credit balances based on the application of credits in the preceding section. The "Total Credit Balance" includes traded, banked, and current MY credit balances for each parameter and Phase. In the event that traded or banked credits are not fully applied and there is a "Total Credit Balance" greater than zero, the "Total Banked Credits" is included to sum up the total number of credits that will carry over into the following model year. Note that since Phase 2 credits are still considered early reductions, these credit balances are simply "banked" for later use.