ALU Version 4.5
Installation Instructions
January 19, 2017

Installation Instructions for the Agriculture and Land Use National Greenhouse Gas Inventory Software Program (ALU)

ALU is free software developed at Colorado State University to conduct national greenhouse gas inventories for the Agriculture and Land Use, Land Use Change and Forestry sectors.

Requirements: The ALU program is compatible with Microsoft XP™ with Service Pack 3, Microsoft Vista™ with Service Pack 1, Microsoft Windows 7.0™, and Microsoft Windows 8™ operating systems. The ALU software works with both 32-bit and 64-bit operating systems.

<u>**IMPORTANT INSTALL NOTES:**</u>

1) Please note that the user must have "Administrative Privileges" in order to install ALU, as it will be installed in the Programs Files Folder on your computer. Please see your technical support staff if you do not have administrative privileges for assistance installing ALU.
2) The program also requires Adobe Acrobat Reader® Version 7 or later, in order to display the ALU Software Manual. The ALU Software will run without Acrobat Reader but you will not be able read the manual, which is in PDF format.
3) ALU creates reports in Microsoft® Excel spreadsheet format and requires either Microsoft® Excel 2003 or a later version, or a program which can open and interpret Excel 2003 file format.
4) The calendar on your computer must be in the standard Gregorian day format (this is generally the standard setting for most computer).
5) If you have any Installation problems after reading this file please report your issues to the following email: alu@nrel.colostate.edu.

Installation:

Step 1: Download the ALU software installation file from the website
(www.nrel.colostate.edu/projects/ALUsoftware/)

*** IMPORTANT NOTE ABOUT PREVIOUS ALU VERSIONS: ***

Previous versions of ALU *usually* do not need to be removed before installing a new
version. But a significant software change was made with Version 2.2.1.0 that requires
ALU Version releases before 2.2.1.0 to be manually removed.

If you receive an error message during install please first manually remove the older
version of ALU by following these steps:

- For Windows XP, go to Start Menu|Settings|Control Panel|Add or Remove
  Programs then select ALU Tool and click UNINSTALL.

- For WINDOWS 7 go to Start Menu|Control Panel|Programs and Features
  and select the ALU Tool and click UNINSTALL.
- *Note: THIS WILL NOT DELETE ANY OF YOUR ALU DATABASES, only*
  the old version of the ALU Software.

Step 2: Double-click on the installation file and a series of windows will guide you
through the steps necessary to load the software on your computer. Please note that ALU
requires the Microsoft .Net Framework 4.0 to be installed. If your computer does not
have this version of the .Net Framework installed, then the ALU installation program will
install the new .Net Framework before installing ALU. The installation of the .Net
Framework may take **several minutes**. If you receive an error during installation please
see note in Step 1, but otherwise email us for support at alu@nrel.colostate.edu,
providing as much detail as possible about your installation errors/messages (preferably
with a screen capture of the error message).

Step 3: Once installation is complete, double-click on the ALU icon, which should be
installed on your desktop, or you can find the program in the computer's program list.
The ALU logo screen will appear followed by the main ALU Window. If this is the first
time you have used ALU, the program will display a Window called: "ALU:
Create/Select User Database File", which will require you to create a new database file.

A database file is used by the ALU program to save your data. If you need to create a
database, enter a name for your database file and click 'OK' on the "ALU: Create/Select
User Database File" Window. If you have used a previous version of ALU and you
created a database, then the database file will automatically be found by the software. If
the program does not find your existing database file, then click the "Browse for Existing
Database" button to navigate to your database file.

<u>Step 4</u>: You are now ready to proceed with data entry, emission factor assignment, and emission calculations. Please see the help menu items for "Getting Started", which provides details on how to use the ALU Software.

General Information:

Each ALU Window has a help icon in the upper left hand corner. Click on this help button to open the ALU Software Manual for the program. You can also print the manual after it has been opened. Note that the program will open the manual to the page with guidance on the form that is currently opened in the software.

We recommend that you request a user account at the following web site: www.nrel.colostate.edu/projects/ALUsoftware or by sending an email to alu@nrel.colostate.edu (Assuming you have not already registered). When updated versions are made available, the new release will be posted at the web site and a message will be sent to all registered users. The program can be downloaded from the web site free of charge.

Note that if you were running a previous version of ALU, your database file is preserved and will be usable by the current ALU Version. Any database updates that are necessary will take place automatically once you select the database file in ALU. If you receive a database error when trying to select your database, please email us at the above email address. NOTE: *Your data are not lost*. Your database files are stored separately from the ALU program, and are *usually* located under the <My Documents\ALU_User_Data\> folder. These files are stand-alone databases that are used by ALU. We recommend that you **DO NOT** open these files outside of the ALU software as you could create errors that would make a database un-useable in the ALU software.

We request that you report any problems with the installation or other problems with the software to the following email address to assist us in improving the ALU Software: <alu@nrel.colostate.edu>.