



FEATURE ARTICLE

GHG MRR Reporting Deadlines Are Looming

2010 is halfway over and important deadlines for compliance with EPA's Greenhouse Gas (GHG) Mandatory Reporting Rule (MRR) are quickly approaching. EPA is planning to open their new web application, e-GRET (stands for **E**lectronic **G**reenhouse gas **R**eporting **T**ool) this summer for user and facility registration. Once available, those subject to the MRR under Part 98 should complete the "User and Facility Registration" process in e-GRET and be aware of the following key dates:

Key Date	Details
December 31, 2010	Perform a regulatory review for Part 98 Subparts (finalized in 2010) required for 2011 data collections; Make necessary updates to the Written GHG Monitoring Plan required under §98.3(g)(5)
January 1, 2011	Begin data collection for 2011
January 30, 2011	Complete "Certificate of Representation" using e-GRET
March 31, 2011	Submit Annual GHG Emissions Report for 2010 using e-GRET

Current Part 75 reporters need to keep in mind that EPA's Emissions Collection and Monitoring Plan System (ECMPS) will not meet MRR reporting requirements. There are additional "intricacies" that sources need to be aware of regarding the interaction between the Clean Air Markets Division (CAMD) Business System, ECMPS and e-GRET. Additionally, e-GRET may support certain state GHG reporting programs in 2010 (where requirements align). For more information, go to <http://www.epa.gov/airmarkets/presentations/docs/epri10/EPRI%20CEMUG.ppt>.

Coming This Summer – User and Facility Registration for GHG MRR in e-GRET

User and facility registration will be allowed early to minimize possible "bottlenecking" that might occur if users wait until 2011 to register. EPA is encouraging Designated Representatives (DRs) and other users to register once e-GRET is available. DRs (including those who are also CAMD Business System users) must do the following:

- Establish an account in e-GRET
- Submit a paper Electronic Signature Agreement (if not already on file at EPA)
- Log in to e-GRET (upon EPA approval)
- Certify, sign and submit the Certificate of Representation
- Add an Alternate DR (if any)

For additional information, contact the Rule Help Center at <http://www.epa.gov/climatechange/emissions/help.html> or email GHGMRR@epa.gov.

From the Desk *of the* President



We're only halfway through 2010 and already we have accomplished so much. In just six months, we debuted the ESC GHG Manager for MRR, launched a comprehensive environmental planning and assessment solution

(ESC|CIMVision), added additional capabilities to CIMVision, rolled out a major StackVision release, released another version of FleetVision, held a successful User Group meeting, attended and presented at the Energy and Environmental Conference (EUEC) and EPRI, and much more! I'm very proud of all of these accomplishments, but we're not stopping there.

The remainder of 2010 will be just as busy as we continue to add additional functionality to CIMVision, release another version of FleetVision, prepare for 2011 GHG reporting requirements and their implications, and plan for the Fall 2010 User Group in Las Vegas. Don't forget, one of your objectives for 2010 should be to use this time to make sure that you are comfortable that the picture your GHG data presents of your facility is a true, and therefore, valid representation. Once 2011 begins, GHG reporting requirement deadlines will be coming one right after another with data collection beginning on January 1, 2011. Take this time to review your GHG data and call us if you have any questions. ESC is committed to being your partner for all GHG needs so let our experts help you.

I am excited to see what the remainder of the year will bring for our industry. As always, let me know how we are doing!

Jack R. Missimer Ph.D., P.E.

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From the Desk of the CTO

Mark Shell

Upgrading to Microsoft® Windows Server 2008 and SQL Server 2008

As you are probably aware by now, ESC|StackVision will be moving to a new Microsoft® operating system and database platform next year. For those of you who are still running Microsoft® Windows XP or Windows Server 2003 operating systems and SQL Server 2005 database software, you will need to upgrade your ESC|StackVision server to Microsoft® Windows Server 2008 and SQL Server 2008. Please note that ESC|StackVision does not yet support Windows Server 2008 R2 or SQL Server 2008 R2.

The transition period has already begun. You can make the move to either the 32-bit or the recommended 64-bit version of Microsoft® Windows Server 2008 and SQL Server 2008 (not R2) as soon as you are ready – ESC|StackVision Version 3.0 SP2 and later now support both 32-bit and 64-bit platforms. If your ESC|StackVision server is currently running Microsoft® Windows XP, you will need to make the transition to one of the new platforms before the end of 2010. If your system is running Windows Server 2003, then you have until the end of March 2011, to make the switch.



Steps to Upgrade

Here are the steps that you need to take in order to transition to Microsoft® Windows Server 2008 and SQL Server 2008:

1. If you are still running ESC|StackVision Version 2.4, first you should upgrade your existing Windows XP or Windows Server 2003 server to StackVision Version 3.0. Please follow the steps at <http://envirosys.com/esc/svsupport/pages/license-key-request.aspx> for details.
2. Prepare a replacement server with Microsoft® Windows Server 2008, SQL Server 2008 and ESC|StackVision Version 3.0. Follow the instructions in the StackVision Version 3.0 Installation Guide, found at <http://envirosys.com/media/p/2061/download.aspx>.
3. Transfer your ESC|StackVision database from the old server to the new server, following the steps listed in the StackVision Version 3.0 Installation Guide (page 37).

ESC does not support “in-place” upgrades of the server platform – you must make the database transfer from your existing server running Windows XP, or Windows Server 2003 and SQL Server 2005 to a different server with Microsoft® Windows Server 2008 and SQL Server 2008. ESC recommends that you consider utilizing new server hardware when you make the switch. Recommended hardware specifications (not minimum requirements) can be found at <http://envirosys.com/media/p/2065/download.aspx>.

Supported Platforms

The table lists supported platforms for ESC|StackVision server software.

	Platform	Support Ends
Old	Windows XP, SQL Server 2005 (32-bit)	December 31, 2010
Old	Windows Server 2003 (32-bit), SQL Server 2005 (32-bit)	March 31, 2011
New	Windows Server 2008 (32-bit), SQL Server 2008 (32-bit)	-----
New	Windows Server 2008 (64-bit) SQL Server 2008 (64-bit)	-----

Please note that ESC|StackVision does not yet support Windows Server 2008 R2 or SQL Server 2008 R2.



Product Development Update

So far, 2010 has been an exciting and busy year for ESC Product Development. We started out the year with a big push to get several products including ESC|StackVision Version 3.0, the ESC GHG Manager for MRR and ESC|CIMVision deployed. We are pleased to announce that approximately 30% of our customer base is on StackVision Version 3.0. The new ESC|StackStudio tool has received very positive feedback as well as ideas for enhancements which tells us that people are using it! StackVision Version 3.0 SP2 is available to those customers who have already upgraded to 3.0. If you are unsure if this Service Pack applies to you, see the release notes available on the ESC website. Remember that all Service Packs are now cumulative so there is no need to install one if it does not apply to you. We will be announcing a target release date for StackVision Version 3.1 soon so be on the lookout. Work on StackVision Dollars features such as LogBook and Opacity Filter Audits continue and is going well.

There are approximately 45 customers utilizing the ESC GHG Manager for MRR, representing hundreds of facilities that will leverage the Manager for all of their Part 98 MRR compliance. Additional Part 98 subparts are being implemented and deployment is planned over the course of this year. On top of all of this, there are many new, exciting CIMVision features under development. Be sure to check our website regularly for enhancements included in each deployment.

In March, we launched ESC|FleetVision Version 2.2. Among other new enhancements, FleetVision Version 2.2 has the ability to bring long term averages from StackVision into FleetVision. The number of FleetVision customers and users have steadily increased over the past year. This resulted in a productive and well attended FleetVision User Group Meeting in Cleveland. In fact, check out what one of our FleetVision customers had to say about the product.

"...I and NV Energy think that FleetVision is a very good and useful tool. Please give the Developer(s), Project Manager(s) and Support personnel a pat on the back for a job well done! We have already used it to send data to individuals in our company as well as "working smarter" to obtain information necessary to complete our tasks at hand. We look forward to the continual evolution of the product."

– Chris Heintz, Environmental Scientist at NV Energy

What's on the horizon for ESC|FleetVision?

- **Enhancements:**
 - A new Average Data Report
 - Enhanced Mass Emissions Summary Report
 - Dashboard EDR status to show plant name
 - ESC|FleetLink messages when errors are encountered
- **Bug fixes:**
 - Grid column fixes
 - Grid performance enhancements
 - Correct OPTIME discrepancy between EDR import and ESC|StackVision connections
 - Chart Rates with Equations
 - Database on separate server fixes
 - Allow slashes for parameter names in equations
 - Updated ESC|FleetLink documentation

Work on all product lines continues to keep us very busy.

ESC Cumulative Summer Newsletter

Because we know that longer summer days mean longer hours for you, we realize that you're pressed for time. In an effort to provide you with the right information only when you need it, we have decided to send a cumulative Summer Newsletter. Instead of monthly newsletters for July, August and September, we will produce one newsletter for these three months, allowing you to focus on your responsibilities while still receiving the information that you need. Should any urgent issues come up, we will communicate these in other ways.

We know that many of you pay close attention to the newsletters in months surrounding User Group so the monthly newsletter will be back in time for the Fall 2010 User Group. In the meantime, be sure to check envirosys.com for the latest information on ESC products, services and events, and industry-related news!

ESC | University – New Webinars Are Coming!

You asked...and we listened! ESC|University is excited to announce that we have added several new webinar topics to our lineup. Among other new additions, look for webinars covering specific Data Controller and data review topics as well as webinars focusing on how to use specific areas of ESC|StackVision and ESC|CIMVision.

- **Working with Active Alarms Webinar – July 20**
- **Certification Events-Linearity Webinar – July 23**
- **Using ESC|StackStudio to Create Data Controller Channels Webinar – July 28**

In addition to these webinars, we'll also be offering a course in Knoxville during July so don't miss out!

- **QuickStart to ESC|StackVision Workshop – July 27**

For a complete listing of all ESCU offerings and their descriptions, please visit <http://envirosys.com/escuniversity/default.aspx>.

May Technical Information Letters (TILs) Recap

TIL SV-051810 .NET Framework 4 and Silverlight 4 required by 10.1.2010

Posted on 5.18.2010

The purpose of this TIL is to alert customers that Microsoft® .NET Framework 4 will be required to run ESC|StackVision Server and Client software, and Microsoft® Silverlight 4 will be required to run ESC|StackStudio beginning with StackVision versions released on or after October 1, 2010.

To read the complete TIL, please visit:

<http://envirosys.com/esc/svsupport/archive/2010/05/18/TILSV051810.aspx>

TIL SV-020310-R1 ESC|StackVision Supported Platforms

Posted on 5.21.2010

The purpose of this TIL is to notify customers that ESC|StackVision support for the Windows Server 2003 with SQL Server 2005 platform will be extended through March 31, 2011, and it provides an updated list of support platforms.

To read the complete TIL, please visit:

<http://envirosys.com/esc/svsupport/archive/2010/05/21/TILSV020310R1.aspx>

ESC Support – Solutions Digest

At the Spring 2010 User Group in Cleveland, we introduced our plans to send you periodic "Solutions Digest" emails to make you aware of recently published content in our Support Knowledge Base. We delivered our first installment in the May edition of the newsletter by highlighting three Solutions related to Ethernet Communications between ESC|StackVision and 8832 Data Controllers. In this second installment, we are highlighting several frequently used Solutions related to ProcessNow. If you have a question or have experienced a problem related to ProcessNow, one of the following Solutions may help (click on the link to review the Solution record in CAP).

ProcessNow Solutions to common UDR Errors:

- [ProcessNow error Stack Daily Record / UDR: "record unprocessed or incomplete because of a MIS/OOC/INV data flag"](#)
- [ProcessNow error - UDR - The load exceeds the maximum in the RT 535 record](#)

ProcessNow Solutions to Common ECMPS Errors:

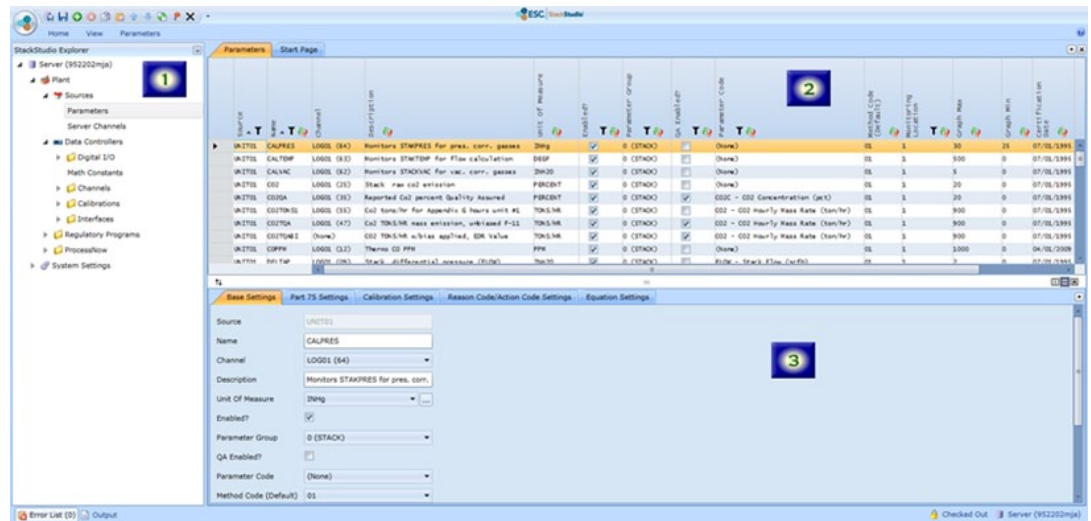
- [ECMPS evaluation error - HOURAGG-13-D - YTD total of # in the summary value record of op time is inconsistent the recalculated value of #.](#)
- [ECMPS Error - HOURCV-39-E: The AdjustedHourlyValue reported in the DHV record is invalid. The value must be greater than or equal to 0.](#)

If you need help applying one of these Solutions or if you don't find a Solution that addresses your questions/problem, please contact ESC Support via phone at 865.688.7900 x3 or by submitting a Support case via CAP.

Tips and Tricks

Using ESC|StackStudio To Make Configuration Edits

Making edits to your configuration using ESC|StackStudio is a simple process. The first thing to do is to select the configuration component from the StackStudio Explorer, located to the left of the editors (1). Configuration editors have two views, Grid View (2) and Form View (3). Either view can be used when entering data. To enter data in the grid view, position your cursor in the field that you need to change. As data is entered, the corresponding field in the form view is also changed. To enter data in the form view, locate and select the field that you need to change. As data is entered in the form view, the grid view is also changed. When any changes are made, an asterisk will appear to the left of the row of data that has been changed. The asterisk indicates that changes have been made to the configuration and these changes have not been saved to the server.



The online help feature can be opened at any time by clicking the help icon (?). The online help sections are easily searchable for specific words or phrases. You will notice that under each section of the help feature, there are subsections that allow you to drill deeper into the specific area of the help section. Where additional associated topics are available, a link is provided to navigate to the additional topic.



Using the Configuration History in ESC|StackVision, you will be able to see when any changes were made to your configuration. Any changes saved to the server must have a log entry prior to saving. Note that blank log entries are not permitted. The Configuration History report will list date, user name and action (entered by user) of all configuration changes that were saved to your server. Access the Configuration History report through **Reports > System Design > Configuration History**.

