Cedar Software – What's New – What's Coming

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Breeze75 / ECMPS 1.0

- Few changes mostly stable
- Added support for Appendix E with common pipe



Breeze75 / ECMPS 2.0

- EPA effort to redesign ECMPS
 - Convert Client Tool to browser-based application
 - Reduce calls to CAMD for technical support
- Will be used for 2024 Q1 reporting (April 2024)
- CiSCO development underway
 - SQL Server 2016 or later required (for JSON support)
 - Contact CiSCO for pricing



Revised CGA Pass/Fail Criteria

EPA revised alternative pass/fail criteria

- > Percent limits did not change (±15% of reference value)
- Old limit was ±5 ppm for all
- New limits depend on span
- Effective May 30, 2023

	Alternative CGA criteria
>50 ppm	±5 ppm
>20, ≤50 ppm	±3 ppm
≤20 ppm	±2 ppm

40 CFR 60 Appendix F 5.2.3(2)

> Errors as-promulgated; this slide shows corrected table



Alarm Emails

Alarm emails now include only alarms that became <u>active in the</u> <u>previous 2 hours</u>

- Prevents long list of old alarms
- Database restore
- Redundant database sync delays

Email now includes alarm active date/time



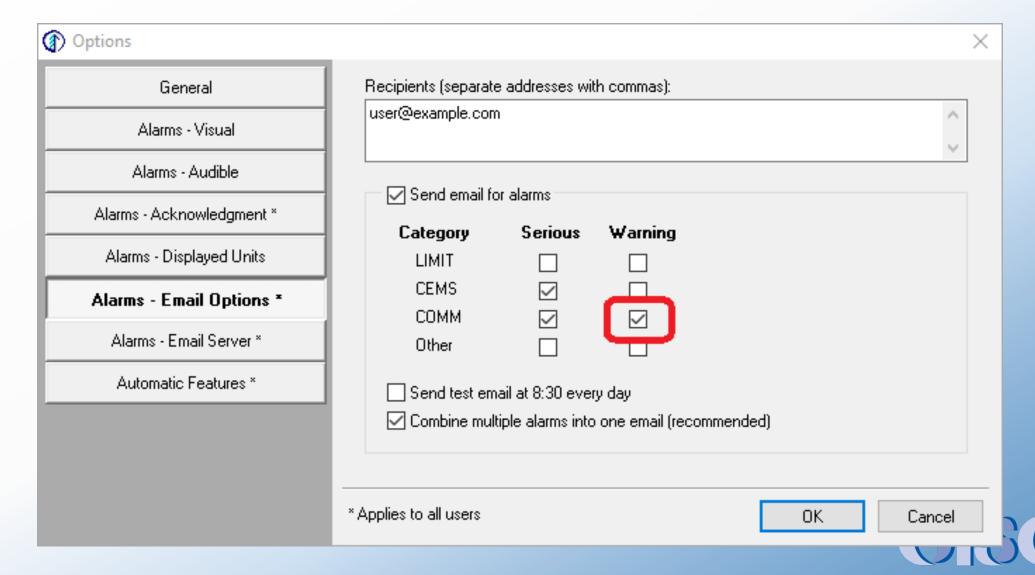
Disable Hourly Comm Fault Email

If alarm emails enabled AND comm failure – Cedar sends email every hour with comm fault message

- Changed severity of this message from serious to <u>warning</u>
- Can disable email for just this message via Cedar Data Monitor - Options window (see next slide)
- Comm failure alarms are serious still get emails



Disable Hourly Comm Fault Email



Exceedances on Reports

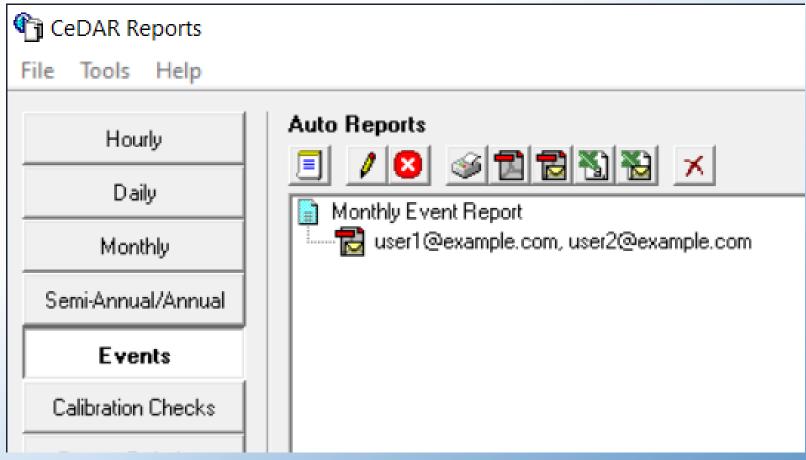
Hourly / Daily / Monthly / etc. Reports

- > Excluded exceedances appear in black text instead of red
- Non-excluded exceedances still appear in red



Event Reports

Support monthly auto report



Cedar 8.00.20



CEMS Downtime Report

Downtime summary – Added two new lines

- Source operating time with valid data
- Percent monitor availability

See next slide



CEMS Downtime Report

Unit 1 CEMS Downtime Summary

Demo Facility
CEMS Downtime for 7/1/2023 thru 7/31/2023: NOx ppm @15% O2 1-Hr Block

Reason	Duration
There are no CEMS downtimes for this report.	
Source operating time	744 hours
Duration of NOx ppm @15% O2 1-Hr Block monitor downtime	0
Percent monitor downtime	0.0%
Source operating time with valid data	744 hours
Percent monitor availability	100.0%

Cylinder Manager

Many changes and improvements

- Filters
- Sorting
- Multiple sites



7-Day Drift Tool

Tool in Cedar Data Editor to support 7-day drift checks

- Added XML export for ECMPS
 - > Enter ORIS, Unit ID, CID, etc.
- Shows operating days without cals



Auto Recalc After Edits

Cedar Data Editor

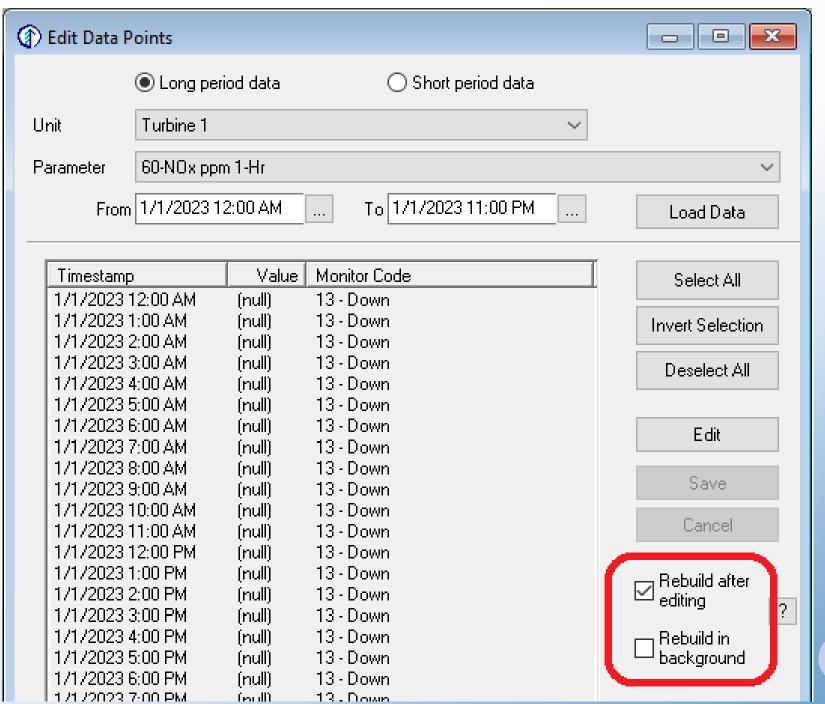
- Edit Data Points (next slide)
- Bulk Edit Monitor Codes and OpTimes (2nd slide)

Checkbox - Rebuild after editing

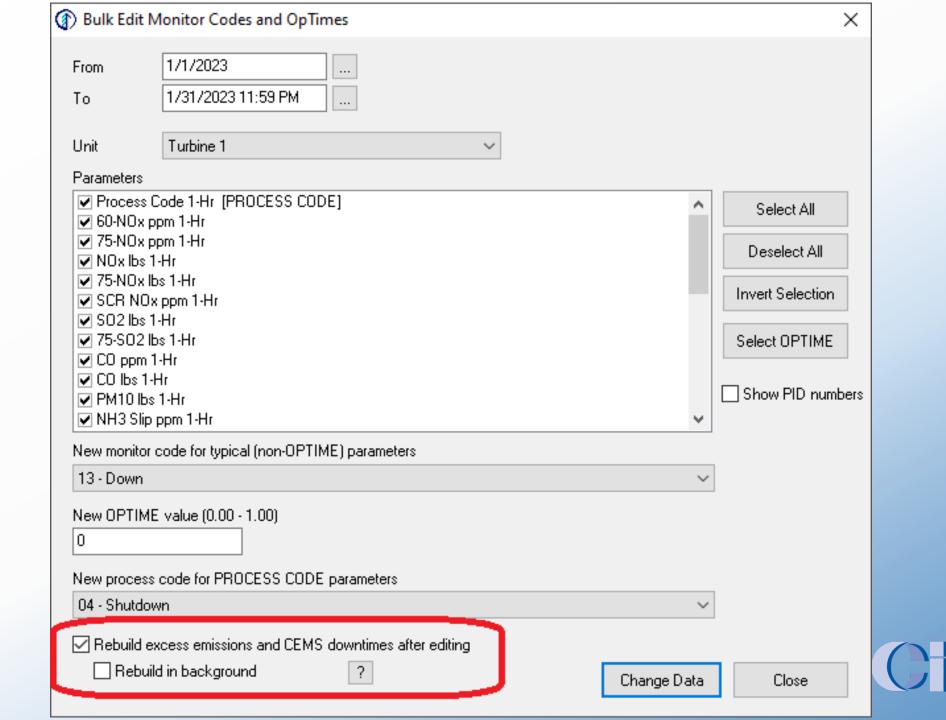
Checkbox – Rebuild in background

Continue without waiting for rebuild









CiSCO Software

Questions?



Finding Downstream & Rebuildable Tags

Cedar Data Editor – Parameter Tree

(1) Parameter Values ±-- [1-140-1-60-00] CO ppm *SA* Parameter Info | S ±-- [1-140-1-60-01] CO ppm 1-Min Name: C0 ppm 1 ± [1-140-1-60-10] CO ppm *SA* |DBDatal(±-- [1-140-2-60-01] CO ppm 1-Hr Source Text / So <u>+</u> [1-140-2-60-09] CO ppm Crnt-Hr *HTMA* [1-140-2-60-01]; Ė-- [1-140-3-60-00] CO ppm 1-Hr *HA*. ri-- [1-140-2-60-011 CO ppm 1-Hr *Downstream* [1-140-4-60-00] CO ppm 24-Hr *DA* ±- *Downstream* [1-140-8-60-96] CO ppm HDR Recalculate *Downstream* [1-141-3-60-00] CO ppm @15% 02 1-Hr *HA* *Downstream* [1-142-3-60-00] CO lb/mmBtu 1-Hr *HA* *Rebuildable* [1-144-3-60-20] CO lbs 1-Hr *HT* Process Code PIC *Rebuildable* [1-144-3-60-13] Normal Ops-CO lbs 1-Hr ±-- *Rebuildable* [1-144-3-60-33] MSS-C0 lbs 1-Hr Storage: 0x4: St 庄 -- *Rebuildable* [19-144-4-60-89] Facility CO tons 12-Month Rolling Is clone 🗸 - [1-140-4-60-00] CO ppm 24-Hr *DA* Relationship Info: ±-- [1-140-4-60-30] CO ppm Monthly *MA* i ... [1-140-7-60-30] CO/H CGA Low Date/Time #1 Item <u>+</u> [1-140-7-60-31] CO/H CGA Low Date/Time #2. Name Description <u>★</u> [1-140-7-60-32] CO/H CGA Low Date/Time #3 FamilulD Upstream Downstream Find PID...

Cedar 8.02.04