



> xEmissions

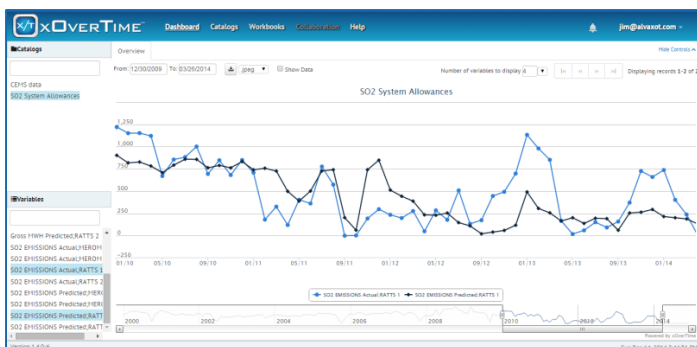
xEmissions is a simple and powerful solution to help companies calculate and track air, water, and waste emissions information. With xEmissions companies can leverage various libraries and calculation templates to create a new solution or improve their existing spreadsheet solutions. The approach can be cost effective for both small companies and large enterprise organizations.

Auditable Emission Inventories

With xEmissions, users are in control of the calculations going into their emission inventories and regulatory reports. By leveraging Excel®, all calculations are easily identified and tracked for audit purposes. Calculations are not hidden in some complicated calculation engine.

Web Dashboard to Verify and Validate Data

The xEmissions dashboard makes it easy for a company to review and analyze data that has been collected. Trends and deviations are easy to identify.



Rolling Averages and Limit Checking

With all data going to the xEmissions database, rolling averages and limit checking can be done with automated calculations on the database. Excel can even be used to configure these automated calculations; consequently, eliminating the need to learn a custom calculation tool.

xEmissions simplifies the calculation, data management, and reporting of emissions.

Begin Date	End Date	Refresh Data and Upload Results									
1/1/2012	12/31/2012										
Total CO2e (Mt)											
159112.2429											
Blowdowns											
Unique name or ID for unique physical volume	Equation used to calculate natural gas venting emissions	Total CO2 Emissions (Mt CO2e)	Total CH4 Emissions (Mt CO2e)	Total CO2e (Mt)	Facility Emission Report						
compressor #1	W-14A	3.787813738	2751.775212	2755.563026							
compressor #2	W-14A	69.39912825	50417.15726	50486.55639							
compressor #1	W-14A	3.875931558	2815.791146	2819.667078							
compressor #2	W-14A	69.15352491	50238.73106	50307.88459							
compressor #2	W-14A	3.834926195	2786.001524	2789.83645							
compressor #3	W-14A	68.66503872	49883.85507	49952.5201							
Compressors											
Compressor ID	Op-Meas CO2 RPS Mass	Op-Meas CH4 RPS Mass	Op-Not Meas CO2 RPS Mass	Op-Not Meas CH4 RPS Mass	Op-Meas CO2 BD Vent Mass	Op-Meas CH4 BD Vent Mass	Op-Not Meas CO2 BD Vent Mass	Op-Not Meas CH4 BD Vent Mass	Dep-Meas CO2 IV Mass	Dep-Meas CH4 IV Mass	Dep-Meas CH4 V Mass
Unit 1	0	0	0.209501183	182.566738	0	0	0.00128	1.11662	0	0	0.00000
Unit 2	187.6287711	0	0	0	0	0	0	0	0	0	0.00000

Why Choose xEmissions?

Easiest to Use. Leveraging Excel, there is no need to learn another environmental calculation and reporting tool, making the xEmissions the preferred solution for maintenance and ease of use.

High Value. Since staff already knows Excel, training and operation costs are reduced.

Best Technology. Excel is proven for processing analytics, charting, and reporting. xEmissions provides a 24x7 cloud database with analysis, data governance and collaboration capabilities.

Leverage Existing Analysis and Reporting Resources. Enhance current Excel data and reports with xEmissions.

Select Plant:	Plant 2	Emission Limits	Limit	Units
EMISSIONS SUMMARY		VOC	36.5	tons/year
		Single HAP	9	tons/year
		Total HAPs	22	tons/year
		PM	30.6	tons/year
		Neopentyl Glycol	0.528	tons/year
Emission Limits (tons)				
Monthly VOCs	VOCs (Rolling-12)	Monthly Neopentyl Glycol	Neopentyl Glycol (Rolling-12)	Monthly Single HAP
June-14	3.63	0.01	0.01	0.01
July-14	3.56	0.01	0.02	0.02
August-14	3.52	0.01	0.03	0.03
September-14	3.21	0.01	0.04	0.04
October-14	2.64	0.01	0.04	0.05
November-14	2.71	0.01	0.05	0.06
December-14	3.02	0.01	0.06	0.07
January-15	3.63	0.01	0.07	0.08
February-15	3.24	0.01	0.08	0.09
March-15	3.17	0.01	0.09	0.10
April-15	3.16	0.01	0.09	0.11
May-15	2.99	0.01	0.10	0.12
June-15	2.73	0.01	0.10	0.12
July-15	2.90	0.01	0.09	0.11
August-15	3.31	0.01	0.09	0.11
September-15				
October-15				

Automated and Familiar Data Collection

Operations data collection from the field is often an important challenge. With xEmissions field users can use their familiar Excel spreadsheets to post their data into the xEmissions database directly.

Regulatory Calculations and Reporting

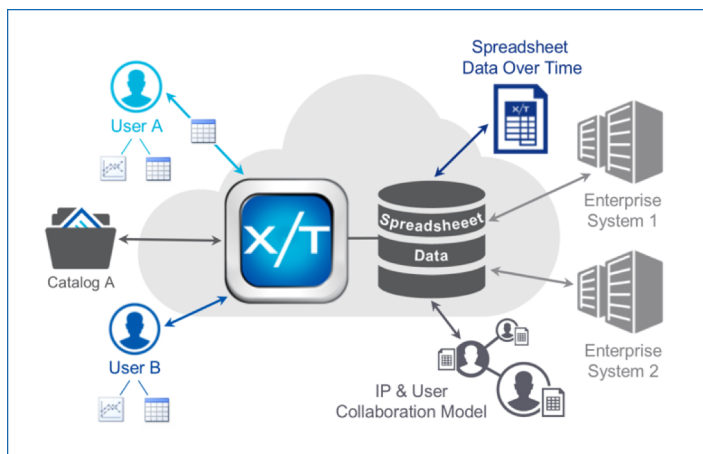
With xEmissions users are able to implement whatever protocol necessary. Excel calculation templates provided by regulatory agencies or NGOs can easily be adapted for use by xEmissions. xEmissions can provide data in XML or Excel formats to meet regulatory requirements.

Promote and Control Collaboration

Business processes associated with environmental emissions work best within strong collaboration environments. xEmissions promotes collaboration through data sharing and notification capabilities. Users have complete control of who has access to the data that they own.

Integration with Corporate Systems

xEmissions can tightly integrate CEMS, maintenance, asset management and other corporate systems using a complete Application Programming Interface (API) made available by xOverTime.

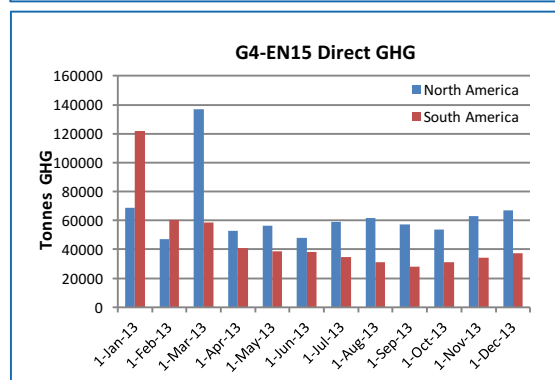
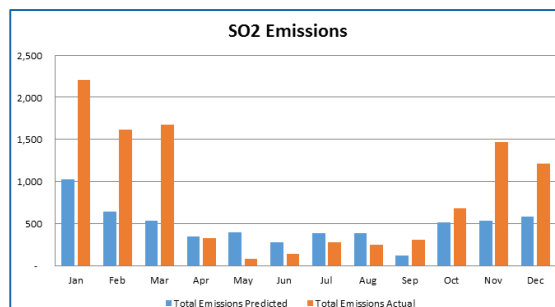


Security, Administration and Data Governance

xEmissions is designed for enterprise use with strong data governance principles. xOverTime's information security policies follow ISO 27000 standards.

Microsoft® Excel Ease of Use

xEmissions leverages Excel, making it easy to use and customize. Users know Excel and as shown below it is easy to build pivots tables, charts, etc.



Services and Training

Because xEmissions leverages Microsoft Excel, customers can quickly employ the software and be productive. However, the xOverTime services team and consulting partners are available to help implement and maintain any solution.

Services include:

- Requirements Assessment
- Solution and Business Process Design
- Data Collection Processes
- System Integration
- Analytics
- Report Generation
- Training

