- Why FracFocus?

• To provide factual information to the public about the process of hydraulic fracturing and the chemicals used in that process
• It provides fact based information about hydraulic fracturing to the public; and
• Allows users to search for fracturing records using multiple criteria then presents them in a standardized format
FracFocus Elements

- Hydraulic Fracturing: How it Works
- Groundwater Protection
- Find a Well by State
- Regulations by State
- Chemical Use
- Frequent Questions
Implementation 1.0 & 2.0

- Current Statistics
- Use by Regulatory Programs
- 2.0 Details and usage
How Successful is FracFocus?

• Since April 11, 2011 FracFocus has:
  – Obtained participation from 352 companies
  – Had over 27,000 hydraulic fracturing records added
  – Had more than 300,000 website visitors from 134 countries
  – Been adopted by 7 states as their regulatory reporting method for HF chemicals
  – Seven additional states interested in using it
Wells Reported By State*

*Total wells does not equal total disclosures due to wells with multiple disclosures.
FracFocus 2.0: The Forest

- Consistency
- Meet Disclosure Needs
- Central System
- Additional Users & Features
Brief Review: Goals of the FracFocus 2.0 System

• What are the changes?
• Data Management
• Users Expansion
• Data Quality
• New Compliance Validation Requirements
FracFocus 2.0 Training - Trees

- Timeline
- Drivers of Update
- New Features
- User Features
- Near Term Future Updates
FracFocus 2.0 Timeline

• October 1, 2012- One month test period
  – [http://fracfocusbeta.all-llc.com](http://fracfocusbeta.all-llc.com)

• November 1, 2012- Go live date for real data submission

• Beta site will remain live for continued testing

• November 1 to ????? Dual submission system (FF 1.0 and 2.0) available
Drivers of the Update

- Regulatory agency needs and changes
- Data Quality of Excel & Submissions
- Future Expansion of Compliance Needs
- Centralize Data System Management
- Lessen Support to Operators
- Provide for Smaller Operators
- Submission compliance notification
Features by User

• Registration & Login
• XML Upload & Data Validation
• Multiple User Type Available
  – Exploration & Production Operators
  – Registered Agents
  – Service Companies
  – Regulatory Agencies
• Not about Public Interfaces - YET
Registration Form Upgrade

Select the type of entity/company that represents your activities in the system: Only allowed one type per Company.
FracFocus 2.0 User: Login

- Same Login for all registration types
- New Forgot Validation Answer?
Upload XML

Used by:

Operators
Service Company
Registered Agents

Final—Memo and Schema file available for Distribution
FracFocus 2.0: Upload XML

- Simple Upload Process
- Multiple Disclosures at once
- Access to interface based on Role
- Post Submit: Process XML File & Validate Data
- Provide Feedback on Success – All or Nothing
- Usable by: Service Companies, Operators & Registered Agents

Failed Submission based on Business Rules
FracFocus 2.0: Validation of Upload

• Validation Failed – Due to Schema Validation Rules

• Successful – Loaded 2 Disclosures into DB for Review and Submission
Data Validation

- **FracFocus 1.0**
  - Validation in Excel Template
  - API Number Format
  - Latitude Extents
  - Longitude Extents
  - Limited Pick Lists
  - No Checks on Chemicals or Location Verification

- **FracFocus 2.0**
  - Schema Validation Checks: FracFocus 1.0 Checks Plus More
  - Granularity on Location Checks (including visual spot locations)
  - Valid Submissions by Service Companies
  - API Numbers Control Location Validation
  - Date Validation on Start & End Dates
  - Assured TVD Value & Reasonable
  - Reasonable Water Volume Values
  - Data required in Chemical records to assure complete records
  - Warning checks for incorrect CAS Numbers
  - Warning Checks for missing Comments on Trade Secrets
  - Check Digit Validation on CAS Numbers
  - Map check for well locations

Results of submission of FracFocus 2.0 XML Data set. Upload failed because operator numbers were not valid.
FracFocus 2.0 User: E&P Operator

- Manage Personnel
- XML Upload – Know Operator Number
- Pending/Working List
- Work Queue (Edit & Submission)
- Manage Service Companies
- Manage Agents
Operator’s Dashboard

NEW 2.0 Features in RED Boxes

- Add & Manage Supervisors
- Add & Manage Data Submitters
- Add & Manage Service Companies
- Add & Manage Agents
- Operator Defaults
- Download the Excel Template
- Proceed to Submit Chemical Disclosure
- Upload Disclosures in XML Format

Frac Focus
Chemical Disclosure Registry
E&P Operator: FracFocus 2.0 Tools

• Personnel Management
• Server Side Data Management
  – Centralized Editing and storage of Information
  – One Portal for Data Exchange
• XML Data Upload
  – New File Protocol for Upload Data
  – Assists in Data Integrity
• Submission Management Tools for Compliance
Operator: Manage Personnel

• 3 Roles
  – Representative
  – Supervisor
  – User

• Representative Options
  – Add & Manage Supervisors
  – Edit Account (Including Edit Company Name)

• Supervisor
  – Add & Manage Users
  – Edit Own Account

• User
  – Edit Own Account
E&P Operator: Manage Supervisor

- Add new person or yourself as a supervisor
- Edit and remove person as a supervisor

**Add & Manage Supervisors**

**Account**
- Name: Operator Layne
- Company: ALL Operator - Mark
- Email: MLAYNE@ALL-LLC.COM
- Phone: 111-111-1111

**Company Supervisors** - Create New Supervisor

<table>
<thead>
<tr>
<th>Is Supervisor</th>
<th>First Name</th>
<th>Last Name</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>True</td>
<td>Operator</td>
<td>Layne</td>
<td><a href="mailto:mlayne@all-llc.com">mlayne@all-llc.com</a></td>
</tr>
<tr>
<td>True</td>
<td>OperSup</td>
<td>Layne</td>
<td><a href="mailto:mlaynecr@all-llc.com">mlaynecr@all-llc.com</a></td>
</tr>
</tbody>
</table>

Frac Focus
Chemical Disclosure Registry
E&P Operator: Manage Users

- Add new person or yourself as a user
- Edit and remove person as a user
- Take Control of a User as a Supervisor

Add & Manage Data Submitters

Account
Name: Operator Layne  Company: ALL Operator - Mark
Email: mlayne@all-llc.com  Phone: 111-111-1111

Supervisor's Data Submitters

<table>
<thead>
<tr>
<th>Is Submitter</th>
<th>First Name</th>
<th>Last Name</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>True</td>
<td>Operator</td>
<td>Layne</td>
<td><a href="mailto:mlayne@all-llc.com">mlayne@all-llc.com</a></td>
</tr>
</tbody>
</table>

Other Submitters in Company

<table>
<thead>
<tr>
<th>Is Submitter</th>
<th>First Name</th>
<th>Last Name</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>True</td>
<td>OperDS</td>
<td>Layne</td>
<td><a href="mailto:mlayne1@cox.net">mlayne1@cox.net</a></td>
</tr>
</tbody>
</table>
E&P Operator: Edit Account

- Change your Personal Information & Password
- Representative can change company name

Manage Account

Email: mlayne@all-llc.com
First Name: Operator
Last Name: Layne
Address: 4824 S 70th E Ave
City: Tulsa
State: Oklahoma
Postal Code: 74111
Phone: 555-555-5555
111-111-1111
Company: ALL Operator - Mark

Choose a Validation Question:
What is the name of the street on which you grew up?
Validation Answer: mcdaniel

UpdateProfile  Change Password
E&P Operator: Tools By Role

• Representative & Supervisors
  – Add & Manage Service Companies
  – Add & Manage Agents
  – Operator Defaults

• Users
  – Upload FracFocus XML
  – Pending Disclosures
E&P Operator: Manage Service Companies

- Lookup Service Company
- Approve
- Remove
- Allows the Service Company to Upload Disclosures to Operator Work Queue

Manage Service Companies

Account
Name: Operator Layne
Email: MLAYNE@ALL-LLC.COM
Company: ALL Operator - Mark
Phone: 111-111-1111

Current Approved Service Companies

<table>
<thead>
<tr>
<th>Remove</th>
<th>Company</th>
<th>State</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ALL Service - Mark</td>
<td>OK</td>
<td>(222) 555-8888</td>
</tr>
</tbody>
</table>

Lookup And Add New Service Companies

Find Company:  
Search
Account Notice
noreply@hydraulicfracturingdisclosure.org
Sent: Wednesday, August 29, 2012 6:41 PM
To: mark-servcouser@all-llc.com

ServcoUser Layne

A new user account has been created for you.

Account Information
Username: mark-servcouser
Password: c55W
Activation Code: qs5k

To activate your account, follow the instructions below:
(Note: Once activated, you will be able to upload Hydraulic Fracturing Disclosures via XML Data format to the FracFocusData.org website. For a successful submission to ALL Operator - Mark you must include their operator number in the Disclosure upload.)

Please note: Do not reply to this message, this e-mail address does not accept incoming e-mail.

You have been approved...
noreply@hydraulicfracturingdisclosure.org
Sent: Wednesday, August 29, 2012 7:31 PM
To: rthurco@all-llc.com
Cc: mlayne@all-llc.com

Dear Roy Arthur,

This is to inform you that Operator Layne of ALL Operator - Mark has approved your company to upload Hydraulic Fracturing Disclosures via XML Data format to the FracFocusData.org website. For a successful submission to ALL Operator - Mark you must include their operator number in the Disclosure upload.

That number is: A1220102

Number - Name: A1220102 - ALL Operator - Mark

Please note: Do not reply to this message, this e-mail address does not accept incoming e-mail.
E&P Operator: Registered Agents

- Lookup Registered Agent
- Approve
- Remove
- Allows the Registered Agent to Upload Disclosures to Operator Work Queue and Submit to FracFocus.org - Public
From: noreply@hydraulicfracturingdisclosure.org
To: mark-agentrep@all-llc.com
Cc: mlayne@all-llc.com
Subject: You have been approved...

Dear Agent Layne,

This is to inform you that Operator Layne of ALL Operator - Mark has approved your company to upload Hydraulic Fracturing Disclosures via XML Data format to the FracFocusData.org website. For a successful submission to ALL Operator - Mark you must include their operator number in the Disclosure upload.

That number is: A1210001

Number - Name: A1210001 - ALL Operator - Mark

Please note: Do not reply to this message, this e-mail address does not accept incoming e-mail.
E&P Operator: Defaults

• Provides for Default Data
• Currently only one field: Water Density – Used for % Mass Recalculation
• Built to Accommodate Future Expansion
# E&P Operator: Pending Disclosures

## Disclosure Lists

<table>
<thead>
<tr>
<th>Pending (4)</th>
<th>Submitted (0)</th>
<th>Amending (0)</th>
<th>All (4)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Company</th>
<th>API Number</th>
<th>Well Name</th>
<th>Job Start Date</th>
<th>Job End Date</th>
<th>TVD</th>
<th>Water Use</th>
<th>Date Mod</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL Consulting - Mark</td>
<td>25-123-12345-00-00</td>
<td>Test Schema 1</td>
<td>1/1/2012</td>
<td>1/1/2012</td>
<td>8,345</td>
<td>8,123,456</td>
<td>10/8/20</td>
</tr>
<tr>
<td>ALL Consulting - Mark</td>
<td>25-025-02000-00-03</td>
<td>ReCalc Based on PPG</td>
<td>1/1/2012</td>
<td>1/2/2012</td>
<td>8,345</td>
<td>8,123,456</td>
<td>10/1/20</td>
</tr>
<tr>
<td>ALL Consulting - Mark</td>
<td>25-025-02000-00-02</td>
<td>ReCalc Based on Ingredient Mass</td>
<td>1/1/2012</td>
<td>1/2/2012</td>
<td>8,345</td>
<td>8,123,456</td>
<td>10/1/20</td>
</tr>
<tr>
<td>ALL Consulting - Mark</td>
<td>25-025-02000-00-01</td>
<td>ReCalc On Total Mass</td>
<td>1/1/2012</td>
<td>1/2/2012</td>
<td>8,345</td>
<td>8,123,456</td>
<td>10/1/20</td>
</tr>
</tbody>
</table>
Click New Disclosure From Pending List:

Enter header data for a new disclosure and then continue to the full Edit Disclosure screen.

<table>
<thead>
<tr>
<th>Job Start Date</th>
<th>Job End Date</th>
<th>API Number</th>
<th>State &amp; County</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/1/2012</td>
<td>2/11/2012</td>
<td>42-035-13579-00-0</td>
<td>Texas --- Bosque</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Well Name</th>
<th>Longitude</th>
<th>Latitude</th>
<th>Datum</th>
<th>Federal Well?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test of System</td>
<td>-107.524687</td>
<td>13.69842</td>
<td>WGS84</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>True Vertical Depth (ft)</th>
<th>Total Water Vol (gal)</th>
<th>Total Non Water Vol</th>
<th>Total Mass (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6782</td>
<td>2698895</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
E&P Operator: View Disclosure Details

Click Edit Disclosure From Pending List:

Visibly review entered or uploaded Data, Map of Well Spot, Access Edit Options
E&P Operator: Edit Disclosures - Header

### Frac Focus Chemical Disclosure Registry

#### Hydraulic Fracturing Data Entry

<table>
<thead>
<tr>
<th>Job Start Date</th>
<th>Job End Date</th>
<th>API Number</th>
<th>Well Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/1/2012</td>
<td>1/2/2012</td>
<td>25-025-02000-00-02</td>
<td>ReCalc Based on Ingredient Mass</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Longitude</th>
<th>Latitude</th>
<th>Datum</th>
<th>Federal Well?</th>
</tr>
</thead>
<tbody>
<tr>
<td>-156.12345678</td>
<td>58.123456</td>
<td>NAD83</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>True Vertical Depth (TVD)</th>
<th>Total Water Vol</th>
<th>Total Non Water Vol</th>
<th>Total Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>8345</td>
<td>8123456</td>
<td>0</td>
<td>71997474</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Carrier/Base Fluid</th>
<th>Water</th>
<th>7732-18-5</th>
<th>100%</th>
<th>94.1000000083336%</th>
<th>Test of Ingredient Comment</th>
<th>677496</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schlumberger Acid</td>
<td>Water</td>
<td>7732-18-5</td>
<td>85%</td>
<td>1.0599999388867%</td>
<td>215992</td>
<td></td>
</tr>
</tbody>
</table>

---

**Note:** The image contains a screenshot of a hydraulic fracturing data entry form with fields for job start and end dates, API number, well name, coordinates, and water volume data. The form is part of the Frac Focus Chemical Disclosure Registry.
E&P Operator: Edit Disclosures - Chemicals

Prepare Disclosure for FracFocus Submission

Remove Disclosure From FracFocus

Hydraulic Fracturing Job

Long.  -99.33

True Dept. 5429

Prepare Disclosure for FracFocus Submission

MSDS Additive/Chemical Entry

Additive Purpose

<table>
<thead>
<tr>
<th>Trade Name</th>
<th>Supplier</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Additive 1</td>
<td>Test Supplier</td>
<td>Test Purpose</td>
</tr>
</tbody>
</table>

Additive Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>% High Additive</th>
<th>% HF Job</th>
<th>Comments</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingredient 1</td>
<td>777-11-1</td>
<td>25</td>
<td>15</td>
<td>test</td>
<td>1</td>
</tr>
<tr>
<td>Ingredient 2</td>
<td>778-22-2</td>
<td>35</td>
<td>10</td>
<td>test</td>
<td>2</td>
</tr>
</tbody>
</table>

New

Add This Additive
E&P Operator: Recalculate Calculate % Mass

• 3 Ways Recalculated Upon Ingredient Data Edit
  – Total Mass and Known % Mass of Ingredients
  – Individual Mass of Ingredients
  – Total Base Water, Density of Water and Know % Mass of Ingredients

• Work for Addition of Mass or Subtraction of Mass
### Hydraulic Fracting Fluid Product Component Information Disclosure

<table>
<thead>
<tr>
<th>Job Start Date</th>
<th>JoB End Date</th>
<th>State</th>
<th>County</th>
<th>API Number</th>
<th>Operator Name</th>
<th>Well Name and Number</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Date</th>
<th>Factor of</th>
<th>Total Base Water Volume</th>
<th>Total Base Non-Water Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>27/03/2020</td>
<td>29/06/2020</td>
<td>OK</td>
<td>Tulsa</td>
<td>1572335</td>
<td>Davesky Tester of Oil &amp; Gas</td>
<td>WellTester O.S. 5274</td>
<td>36.195</td>
<td>-95.965</td>
<td>07/05/2020</td>
<td>13.5131</td>
<td>10,084.83</td>
<td>2,307,820</td>
</tr>
</tbody>
</table>

### Hydraulic Fracting Fluid Composition:

<table>
<thead>
<tr>
<th>Trade Name</th>
<th>Supplier</th>
<th>Purpose</th>
<th>Ingredients</th>
<th>Chemical Abstract Service Number (CAS #)</th>
<th>Minimum Ingredient Concentration in Fluid (%) by mass**</th>
<th>Minimum Ingredient Concentration in HP Fluid (%) by mass**</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>Operator</td>
<td>Carrier</td>
<td>Water</td>
<td>1234-55-7</td>
<td>100.00%</td>
<td>0.025644%</td>
<td>SmartCare Product</td>
</tr>
<tr>
<td>Alpha 1427</td>
<td>Biocide</td>
<td>Biocide</td>
<td>Diacyl Dinitrile Ammonium Chloride</td>
<td>1234-55-7</td>
<td>10.00%</td>
<td>0.03232%</td>
<td>SmartCare Product</td>
</tr>
<tr>
<td>Ethanol</td>
<td></td>
<td></td>
<td>Ethanol</td>
<td>1234-55-7</td>
<td>5.00%</td>
<td>0.00118%</td>
<td>SmartCare Product</td>
</tr>
<tr>
<td>Pioneer Natural Resources Pumping Services, LLC</td>
<td>Glutaraldehyde</td>
<td>Glutaraldehyde</td>
<td>1234-55-7</td>
<td>100.00%</td>
<td>0.02055%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pioneer Natural Resources Pumping Services, LLC</td>
<td>Quaternary Ammonium Compound</td>
<td>Quaternary Ammonium Compound</td>
<td>1234-55-7</td>
<td>75.00%</td>
<td>0.02341%</td>
<td>SmartCare Product</td>
<td></td>
</tr>
<tr>
<td>breaker</td>
<td>breaker</td>
<td>breaker</td>
<td>Ammonium Perchlorate</td>
<td>1234-55-7</td>
<td>30.00%</td>
<td>0.00936%</td>
<td>SmartCare Product</td>
</tr>
<tr>
<td>Clay Control</td>
<td>Clay Control</td>
<td>Clay Control</td>
<td>Clay Control</td>
<td>1234-55-7</td>
<td>10.00%</td>
<td>0.0259%</td>
<td></td>
</tr>
<tr>
<td>Friction Reducer</td>
<td>Friction Reducer</td>
<td>Friction Reducer</td>
<td>Friction Reducer</td>
<td>1234-55-7</td>
<td>30.00%</td>
<td>0.02055%</td>
<td></td>
</tr>
<tr>
<td>Non-emulsifier</td>
<td>Non-emulsifier</td>
<td>Non-emulsifier</td>
<td>Non-emulsifier</td>
<td>1234-55-7</td>
<td>20.00%</td>
<td>0.00483%</td>
<td>SmartCare Product</td>
</tr>
<tr>
<td>Pioneer Natural Resources Pumping Services, LLC</td>
<td>Propellant</td>
<td>Propellant</td>
<td>Propellant</td>
<td>1234-55-7</td>
<td>100.00%</td>
<td>0.05086%</td>
<td>SmartCare Product</td>
</tr>
<tr>
<td>Scale Inhibitor</td>
<td>Scale Inhibitor</td>
<td>Scale Inhibitor</td>
<td>Scale Inhibitor</td>
<td>1234-55-7</td>
<td>5.00%</td>
<td>0.00074%</td>
<td>SmartCare Product</td>
</tr>
<tr>
<td>Ethylene Glycol</td>
<td>Ethylene Glycol</td>
<td>Ethylene Glycol</td>
<td>Ethylene Glycol</td>
<td>1234-55-7</td>
<td>30.00%</td>
<td>0.00981%</td>
<td>SmartCare Product</td>
</tr>
</tbody>
</table>

**Total Water Volume sources may include fresh water, produced water, and/or recorded water.
** Information is based on the maximum potential for concentration and thus the total may be over 100%.
Compliance Tools

• Track Submissions to FracFocus.org

• Consistent PDF Generation
  – Supports MSDS and Non-MSDS Chemicals
  – Supports MSDS+ and Systems Disclosure Formats

• Maintains Record of Submissions to FracFocus.org for Compliance History

• Maintains Chemicals Centralized for Compliance Needs
Service Company Dashboard

• Representative, Supervisor & Users Role Dashboard
• Provides the ability for a Service Company to manage their registered Supervisors and Users.
• Also provides access to Upload XML to Operators
• List of Operators who have Approved Service Company to Upload Disclosures
Service Company: Manage Personnel

• 3 Roles
  – Representative
  – Supervisor
  – User

• Representative Options
  – Add & Manage Supervisors
  – Edit Account (Including Edit Company Name)

• Supervisor
  – Add & Manage Users
  – Edit Own Account

• User
  – Edit Own Account
Service Company: Manage Supervisor

- Add new person or yourself as a supervisor
- Edit and remove person as a supervisor

Add & Manage Supervisors

<table>
<thead>
<tr>
<th>Account</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name: ServCo Layne</td>
</tr>
<tr>
<td>Email: <a href="mailto:MARK-SERVCOREP@ALL-LLC.COM">MARK-SERVCOREP@ALL-LLC.COM</a></td>
</tr>
<tr>
<td>Company: ALL Service - Mark</td>
</tr>
<tr>
<td>Phone: 222-555-8888</td>
</tr>
</tbody>
</table>

Company Supervisors - Create New Supervisor

<table>
<thead>
<tr>
<th>Is Supervisor</th>
<th>First Name</th>
<th>Last Name</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>True</td>
<td>ServCo</td>
<td>Layne</td>
<td><a href="mailto:mark-servcorep@all-llc.com">mark-servcorep@all-llc.com</a></td>
</tr>
<tr>
<td>True</td>
<td>ServSup</td>
<td>Layne</td>
<td><a href="mailto:mark-servcosup@all-llc.com">mark-servcosup@all-llc.com</a></td>
</tr>
</tbody>
</table>
Service Company: Manage Users

- Add new person or yourself as a user
- Edit and remove person as a user
- Take Control of a User as a Supervisor

Add & Manage Service Company Users

Account
Name: ServCo Layne
Email: MARK-SERVCOREP@ALL-LLC.COM
Company: ALL Service - Mark
Phone: 222-555-8888

Supervisor's Current Users

<table>
<thead>
<tr>
<th>Is Active User</th>
<th>First Name</th>
<th>Last Name</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>True</td>
<td>ServCo</td>
<td>Layne</td>
<td><a href="mailto:mark-servcorep@all-llc.com">mark-servcorep@all-llc.com</a></td>
</tr>
</tbody>
</table>

Other Users in Company

<table>
<thead>
<tr>
<th>Is Submitter</th>
<th>First Name</th>
<th>Last Name</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>True</td>
<td>ServUser</td>
<td>Layne</td>
<td><a href="mailto:mark-servcouser@all-llc.com">mark-servcouser@all-llc.com</a></td>
</tr>
</tbody>
</table>
Service Company: Approved Operator List

• Operator Number required to perform XML Upload
• Provides List of Operators and their numbers that have approved a Service Company to perform uploads to their work queue

<table>
<thead>
<tr>
<th>Operator</th>
<th>Operator Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL Operator - Mark</td>
<td>A1210001</td>
</tr>
</tbody>
</table>
Registered Agents Dashboard

• Representative & Users Role Dashboard
• Provides the ability for a Registered Agents to manage their registered Users.
• Also provides access to Upload XML to Operators
• List of Operators who have Approved Registered Agents to Upload and Submit Disclosures
• Work Pending Disclosures of Operators who have Approved
Registered Agent: Manage Users

- Add new person or yourself as a user
- Edit and remove person as a user
- Take Control of a User as a Supervisor

Add & Manage Service Company Users

Account
Name: ServCo Layne
Email: MARK-SERVCOREP@ALL-LLC.COM
Company: ALL Service - Mark
Phone: 222-555-8888

Supervisor's Current Users

<table>
<thead>
<tr>
<th>Is Active User</th>
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</thead>
<tbody>
<tr>
<td>True</td>
<td>ServCo</td>
<td>Layne</td>
<td><a href="mailto:mark-servcorep@all-llc.com">mark-servcorep@all-llc.com</a></td>
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</table>

Other Users in Company

<table>
<thead>
<tr>
<th>Is Submitter</th>
<th>First Name</th>
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</tr>
</thead>
<tbody>
<tr>
<td>True</td>
<td>ServUser</td>
<td>Layne</td>
<td><a href="mailto:mark-servcouser@all-llc.com">mark-servcouser@all-llc.com</a></td>
</tr>
</tbody>
</table>
Registered Agent: Approved Operator List

- Operator Number required to perform XML Upload
- Provides List of Operators and their numbers that have approved a Registered Agent to perform uploads to their work queue

<table>
<thead>
<tr>
<th>Operator</th>
<th>Operator Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL Operator - Mark</td>
<td>A1210001</td>
</tr>
</tbody>
</table>
Reg. Agent: Pending Disclosures

<table>
<thead>
<tr>
<th>Company</th>
<th>API Number</th>
<th>Well Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL Oper Tony</td>
<td>19-999-99999-00-00</td>
<td>Schema 2-Test</td>
</tr>
<tr>
<td>ALL Oper Tony</td>
<td>25-123-12345-00-00</td>
<td>Test Schema 1</td>
</tr>
<tr>
<td>ALL Consulting - Mark</td>
<td>25-123-12345-00-00</td>
<td>Test Schema 1</td>
</tr>
<tr>
<td>ALL Consulting - Mark</td>
<td>25-025-02000-00-03</td>
<td>ReCalc Based on PPG</td>
</tr>
<tr>
<td>ALL Consulting - Mark</td>
<td>25-025-02000-00-02</td>
<td>ReCalc Based on Ingredient Mass</td>
</tr>
<tr>
<td>ALL Consulting - Mark</td>
<td>42-035-13579-00-00</td>
<td>Test of System</td>
</tr>
<tr>
<td>ALL Consulting - Mark</td>
<td>25-025-02000-00-01</td>
<td>ReCalc On Total Mass</td>
</tr>
</tbody>
</table>
Regulatory Agency’s Dashboard

- Representative, Supervisor & Users Role Dashboard
- Provides the ability for a Service Company to manage their registered Supervisors and Users.
- Also provides access to Upload XML to Operators
- List of Operators who have Approved Service Company to Upload Disclosures
Regulatory Agency: Manage Users

- Add new person or yourself as a user
- Edit and remove person as a user
- Resend Activation Email if user has never logged in or edit needed on email

Add & Manage Agency Users

<table>
<thead>
<tr>
<th>Account</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Agency Rep Layne</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:MARK-AGENCYREP@ALL-LLC.COM">MARK-AGENCYREP@ALL-LLC.COM</a></td>
</tr>
<tr>
<td>Agency</td>
<td>ALL Agency - Mark</td>
</tr>
<tr>
<td>Phone</td>
<td>555-444-9999</td>
</tr>
</tbody>
</table>

Agency FracFocus Users - Create New User

<table>
<thead>
<tr>
<th>Email</th>
<th>Last Name</th>
<th>First Name</th>
<th>Is Agency User</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="mailto:mark-agencyrep@all-llc.com">mark-agencyrep@all-llc.com</a></td>
<td>Layne</td>
<td>Agency Rep</td>
<td>True</td>
</tr>
<tr>
<td><a href="mailto:mark-agencyuser@all-llc.com">mark-agencyuser@all-llc.com</a></td>
<td>Layne</td>
<td>AgencyUser</td>
<td>True</td>
</tr>
</tbody>
</table>
Agency Upload Chemical Disclosure

Please use the form below to enter header data. This data will be used by the Public Filter to identify the uploaded PDF. Then Upload Disclosure through the use of the following interface. Browse and Select a submitted PDF Disclosure for upload then click the Upload Disclosure button.

- **[Error]** The state listed in the API Number does not your state of TX
- **[Error]** Longitude should be between -180 to -63.
- **[Warning]** Submitted Latitude may not be within the bounds of the County.
- **[Warning]** Submitted Longitude may not be within the bounds of the County.

### Enter Record Header and Upload Disclosure

- **API Well Number:** 25025205120000
- **Operator:** ALL Operator - Mark
- **Well Name:** Well Test Mark
- **Start Job Date:** 7/29/2012
- **Org. Submission Date:** 8/26/2012
- **End Job Date:** 8/6/2012
- **Amend Date:** 9/4/2012
- **Datum:** NAD27
- **Surface Longitude:** 187.45002
- **Surface Latitude:** 60.00098
- **Total Base Water Vol:** 2135879
- **Total Base Non-Water Vol:** 0
- **Total Vertical Depth:** 9187
- **Federal Well:** Yes

### PDF File

Choose a PDF file to upload.

Upload Disclosure
Reg. Agency: XML Schema Download

- FF 2.0 – Full Dump

- Proposed RBDMS FracFocus Functionality:
  - Regulatory Agency selects the data they desire to have delivered to their agency.
Regulatory Agency Data Delivery

• Online on demand download of data to Regulatory Agency for integration into internal systems
• Tracking of Amendments and Deletions through Unique Record ID’s to assure Compliance

Agency Download Chemical Disclosures

Use the form below to download Chemical Disclosures for your state. Choose the appropriate filters settings and click the "Download Now" button.

Filter Your Download

Submission Date From: 9/1/2012
Submission Date To: 9/30/2012

Download Now

You may download up to 180 days worth of disclosure data at a time.
FracFocus 2.0 Ongoing Efforts

• Filtering/Search Options - In Development
  – Date Filter
  – Chemical Name Filter
  – CAS Number Filter

• Expanded Regulatory Options for Data Access & Automation

• Regulatory Agency Data Entry

• Regulatory Agency Compliance Validation - Local
Additional Filtering/Search Options

**IN DEVELOPMENT**

- **Dates**
  - Date ranges
  - Base searches on Start and End Dates of Job
- **Expanded Search by Chemical Names in the System**
- **Chemical Abstract Service Numbers:**
  
  Provide a means to easily look up a CAS #
Date Filter

Job Date Filters

Start Date

Between Start & End Dates

Enter a date when a job was active. Disclosure jobs reported that were being performed during that date will be returned.

Date

End Date

Greater Than Date

Less Than Date

Cancel  Apply
Text Search on Chemical Names in System
Enter CAS Number

Look Up CAS Number

http://ull.chemistry.uakron.edu/erd/

Cancel  Apply