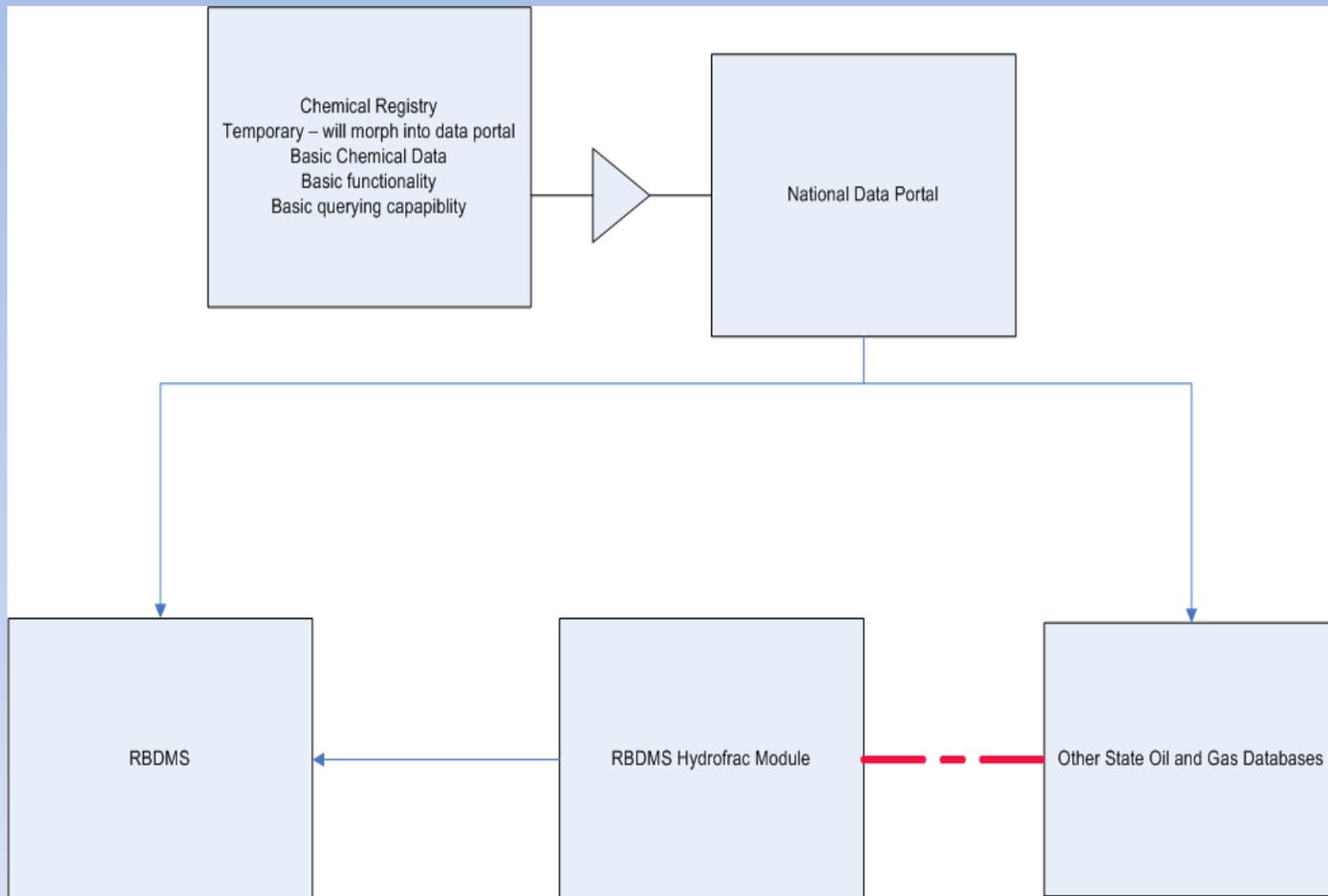


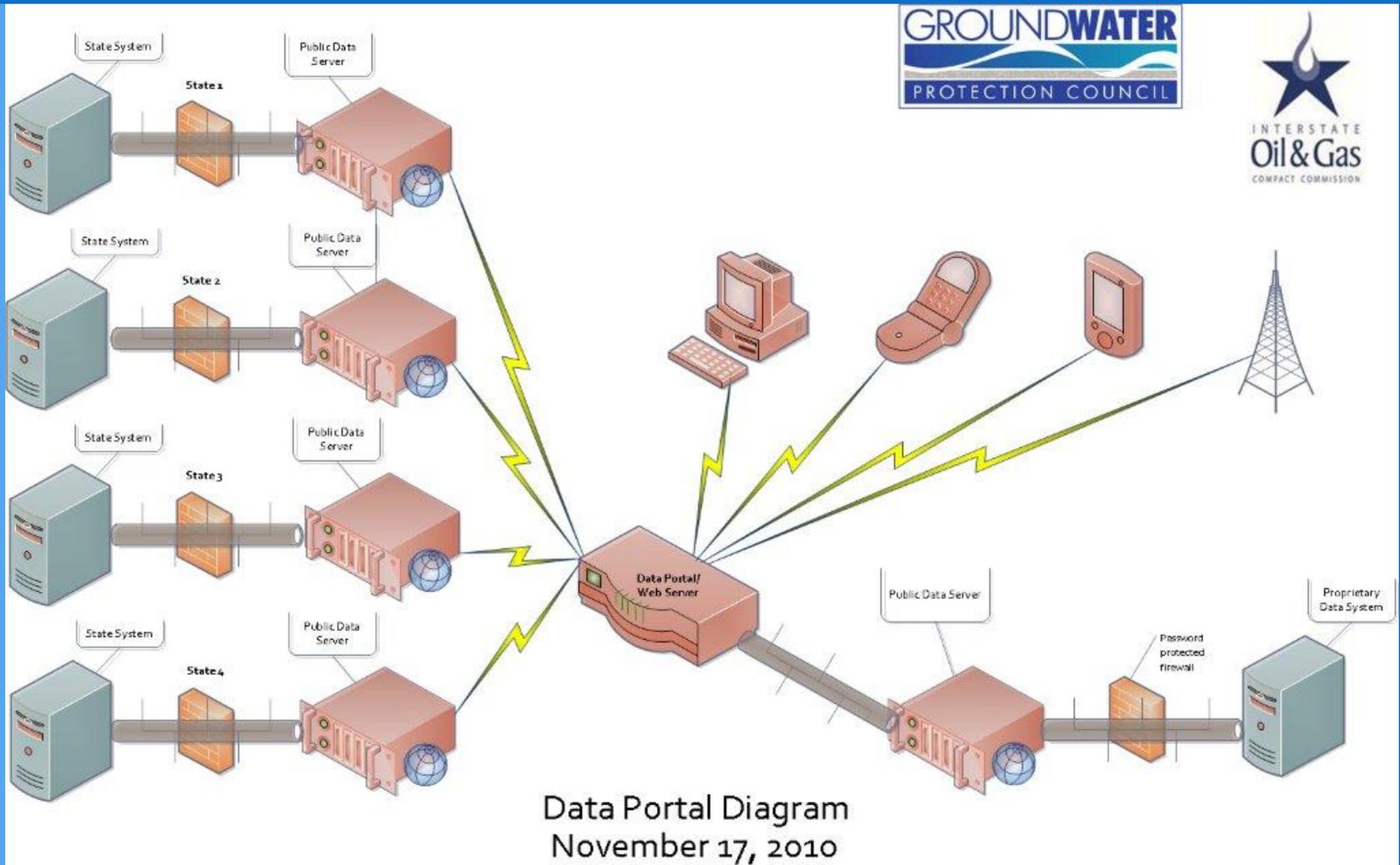
National Hydraulic Fracturing Chemical Registry – A Work in Progress

A Joint Project by
The GWPC &
The IOGCC

The Vision



The Portal



Oil and Gas Data Portal

Nationwide and Pilot Data Sets Based on Existing and Evolving State Data Management Capabilities

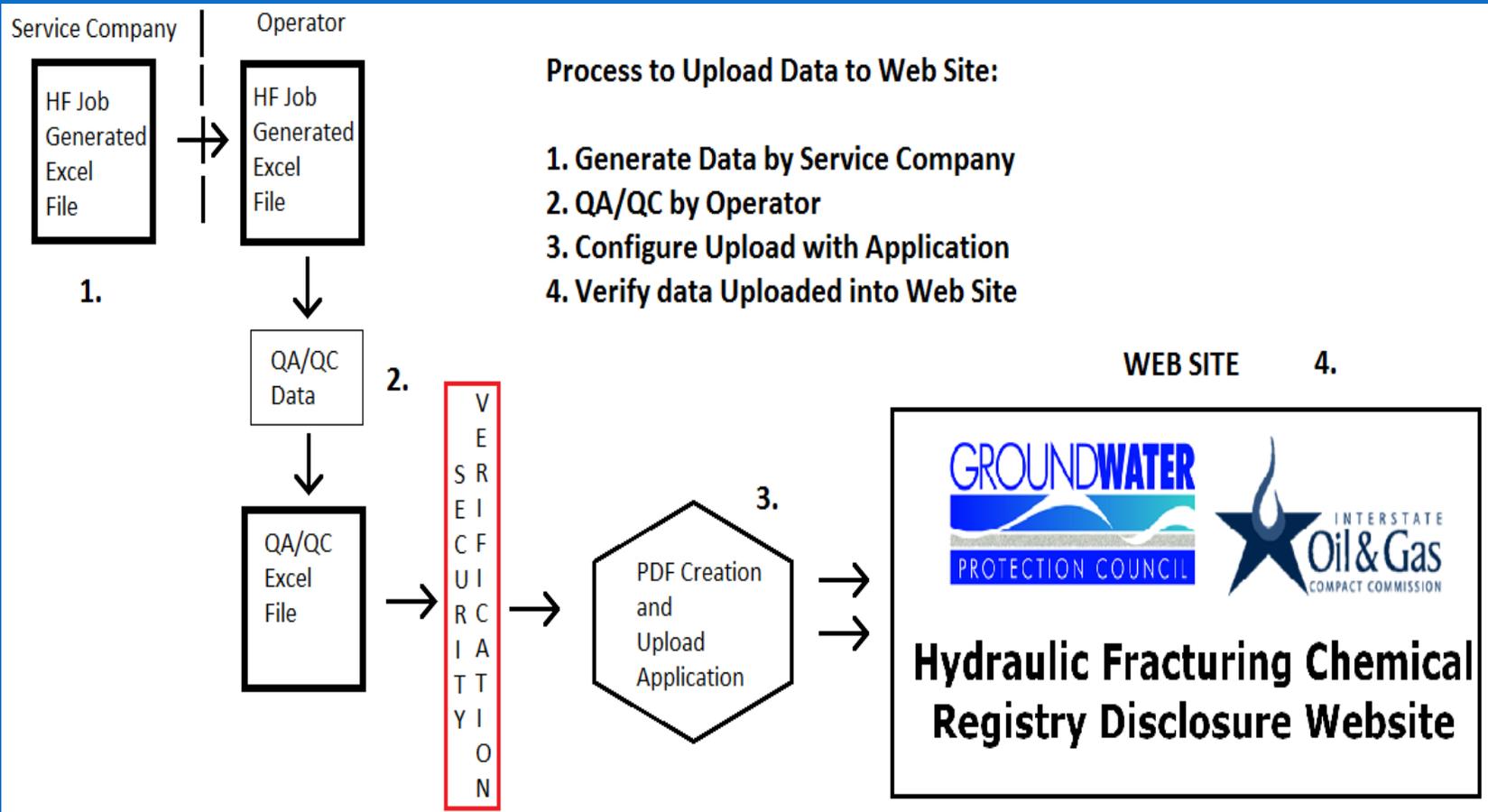
- **Well Locations and Status**
- **Wellbore Diagram**
- **Details of Construction**
- **Stimulation and Completion Reports**
- **Hydraulic Fracturing Fluids and Operations Data**
- **National Chemical Data Registry**
- **Water Quality/Quantity Information**
- **Source Water Protection Areas**
- **Oil and Gas Basins, Hydrograph, and Geographic Data**

Why RBDMS Works

- Installed in 23 oil and gas state agencies
- The only existing data management system that is state based yet meets national goals and objectives
- Managed by state steering committee
- Support by a state technical committee
- Outreach activities to industry
- Continually improving by seek input from industry and public to facilitate permitting and reporting
- Funded by US DOE, and States

The National Hydro Frac Chemical Registry

- Public Internet Site for Industry to submit HF chemical data
 - Location and well description
 - Chemical components
 - Chemicals use by well
 - -Will not contain protected formulas
- Data will be stored in a PDF format
- No direct state agency involvement



Process to Upload Data to Web Site:

- 1. Generate Data by Service Company
- 2. QA/QC by Operator
- 3. Configure Upload with Application
- 4. Verify data Uploaded into Web Site

Hydro Frac Chemical Registry - Timeline

- Beta available for review – December 2010
- Go Live: January 2011
- Updates and new features: 2011

Data Elements

- Frac Date
- API Well Number
- State
- County
- Operator Name
- Well Name
- Type of Well (Oil, Gas)
- Latitude/longitude
- Total Vertical Depth
- Volume of Water

Find Chemical Record

Home

Find Chemical Record

What is Fracing?

About

[Log In]



Hydraulic Fracturing Chemical Disclosure Registry



Search for Chemical Records

Find Chemical Record



State:

Montana

County:

Petroleum

Wells in County:

Joanes Ranch #1

Operator:

Choose One

API Well Number:

____-____-____

Well Name:

Search

Reset

SITE RESOURCES

- Disclosure Upload
- Disclosure Template
- What Is 'Fracing'
- Current Surveys

INFORMATION LINKS

- IGOCC 2010 Annual Meeting
- GWPC 2011 UIC Meeting
- Modern Shale Gas Primer

Search Results GIS tba

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Hydraulic Fracturing Chemical Disclosure Registry



Available Chemical Records

	API No.	Job Date	State	County	Operator	Well Name	Well Type	Latitude	Longitude
	25-069-12345	1/1/2010	Montana	Petroleum	ABC Test Oil & Gas	Joanes Ranch #1	Oil	46.920839	-108.407

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**Hydraulic Fracturing
Chemical Disclosure
Registry**



Log In

Please enter your username and password. [Register](#) if you don't have an account.

Account Information

Username:

Password:

Keep me logged in

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Operator Registration

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GROUNDWATER PROTECTION COUNCIL **Hydraulic Fracturing Chemical Disclosure Registry** **INTERSTATE Oil & Gas COMPACT COMMISSION**

Registration

Create a New Operator Account

Use the form below to create a new operator account.

Account Information

User Name: <input type="text"/>	E-mail: <input type="text"/>	
First Name: <input type="text"/>	Last Name: <input type="text"/>	
Company: <input type="text"/>	Address 1: <input type="text"/>	
City: <input type="text"/>	Address 2: <input type="text"/>	
Phone: <input type="text"/>	State: <input type="text"/>	Postal Code: <input type="text"/>
Password: <input type="password"/>	Passwords are required to be a minimum of 6 characters in length. It also must contain at least 1 non-alphanumeric character (!@S*% etc...). Example : RedD!ce	
Confirm Password: <input type="password"/>		

SITE RESOURCES

- Disclosure Upload
- Disclosure Template
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- Current Surveys

INFORMATION LINKS

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Excel Template Upload

Home Find Chemical Record What is Fracing? About Welcome mlayne ! [Log Out]



Data Submission

In order to submit data you must submit the Excel spreadsheet you have been given as a form template. Please use the form below to submit your data.

D:\CurrentProjects\GWPC

We have successfully processed your submission.

SITE RESOURCES

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Excel Template

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	1/1/2010
State:	Montana
County:	Petroleum
API Number:	25-069-05420
Operator Name:	Test Me Out
Well Name:	Well Name 1
Longitude:	-123.333344
Latitude:	18.333444
Long/Lat Projection:	WGS84
True Vertical Depth (TVD):	12,333
Production Type:	Oil

[Click Here to Add Rows to the Table Below](#)

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Ingredient Concentration in Additive (% by mass)*	Ingredient Concentration in HF Fluid (% by mass)*
Water		Carrier/Base Fluid				
Sand (Proppant)		Proppant				
		Surfactant	Ethanol	64-17-5	45-60%	0.0222 - 0.02939%
			Heavy aromatic petroleum naphtha	64742-94-5	25-30%	0.012 - 0.01469%
			Naphthalene	91-20-3	5.0%	0.00245%
			1,2,4 Trimethylbenzene	95-63-6	1.0%	0.00049%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5.0%	0.00245%
		Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30.0%	0.00353%
		Biocide				
			Proprietary		Proprietary	Proprietary

The Educational Component

- Downloads and links on Hydraulic Fracturing
 - THE WHO, WHAT, WHERE, AND WHY
 - Geology
 - Well construction
 - Ground and surface water use comparison
- Links to more information on chemicals e.g., MSDS Sheets, Public Health links, etc