

BATTLE LAKE WATERSHED SYNERGY GROUP

< <http://synergyalberta.ca/group/battle-lake-watershed-synergy-group> >

November 29, 2012

A meeting of the Battle Lake Watershed Synergy Group was held on Thursday, November 29, 2012 at the Lakedell Ag. Centre (Hall B) with Paul McLaughlin acting as Facilitator.

CALLED TO ORDER:

Paul called the meeting to order at 7:00 pm.

Agenda

- Introductions
- Review of Minutes
- Action Items
- Presentation by Rob George AESRD Fracing
- ERCB Updates
- Industry Updates
- Community Updates
- Seismic BMP
- Next Meeting

ATTENDANCE:

In attendance were {5} residents, {13} industry representatives and government officials. (See the attached list.)

Presentation:

Environmental Management of Hydraulic Fracturing in Alberta

Robert George

- *Alberta Environment and Sustainable Resource Development*
Outline
 - Provincial Context
 - Integrated Resource System Approach to Managing Energy and Environment
 - Current and Proposed Management actions
 - Alberta Context
 - Government of Alberta's Mandate
 - Change how government works to better reflect Albertans' needs and the realities of the province
 - To be accomplished by:

- listening to Albertans
 - increasing transparency and accountability
 - building strong collaborative relationships with all our partners
- Provincial Priorities

Social

- Investing in families and communities

Public input through:

→ Social Policy Framework

Economic

- Securing Alberta's economic future

Public input through:

→ Dollars and Sense

Energy / Environment

- Advancing world-leading resource stewardship

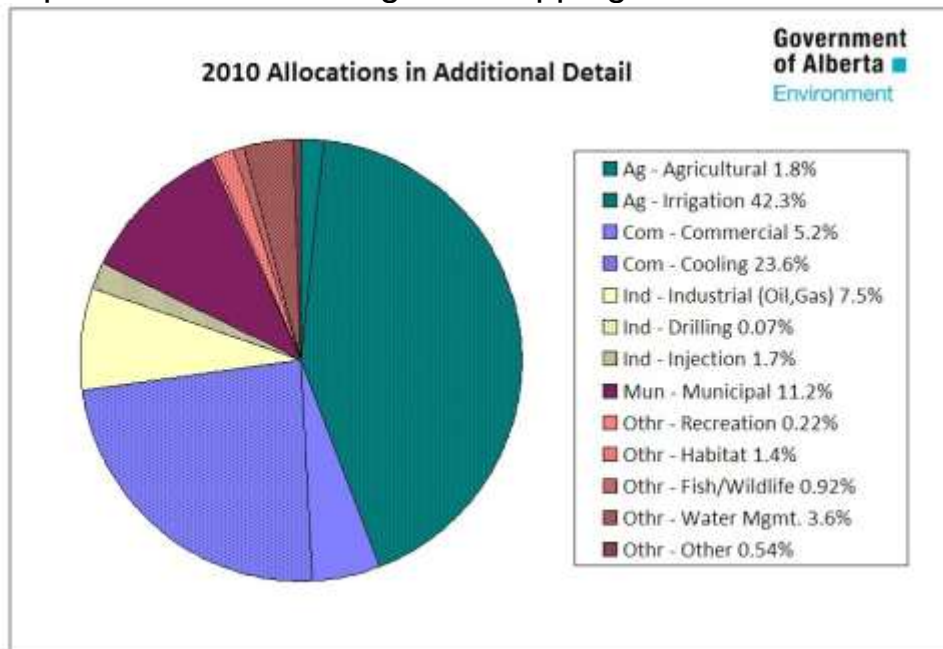
Public input through:

→ Land Use Framework

- Energy/Environment: Integrated Resource System Approach
- Cumulative Effects Management
- Land Use Framework (LARP, SSRP)
- Single Regulator
- Monitoring Systems
- Unconventional Oil and Gas
- Dispersed on the landscape
 - No set 'region'
- Multiple players
 - Includes services provided by contractors
- Range of impacts on the landscape
 - Some focused and accumulated (air, noise, footprint)
 - Others dispersed (source of water, waste management, truck traffic)
- Managing Hydraulic Fracturing: Current
- ESRD taking an integrated management approach to addressing areas of enhancement
- ESRD's role:

- Resource Management
 - Licences water usage, reclamation & remediation, manage Crown Lands
- Assurance
 - Responds to landowners complaints/concerns
 - Monitoring, evaluation and reporting
- Policy and Planning oversight
 - Water for Life, Clean Air Strategy, Land Use Framework
- Managing Hydraulic Fracturing:
 - Future
 - Range of potential actions identified based on risk areas
 - Taking a cumulative effects approach
 - Proposed areas of focus include:
 - Review of 2006 Oilfield Injection Policy
 - Enhanced baseline data
 - Reporting of water use

Expansion of monitoring and mapping

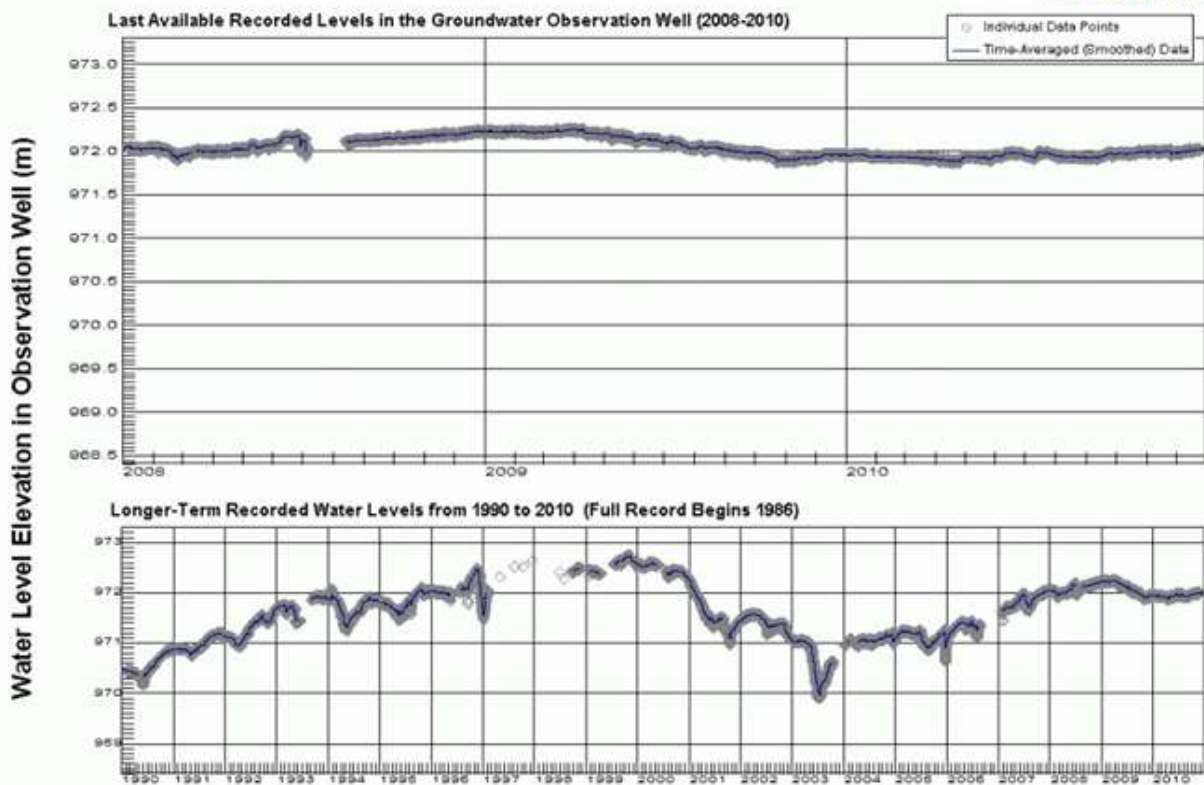


Discussions of 2010 allocations regarding use of water for drilling and injection.

Olds 2373E(2413E) South (Obs.Well #227)

Lat: 51° 45' 57.7" N Long: 113° 58' 19.3" W Formation: Bedrock Aquifer: Paskapoo Depth Class: Intermediate

Government
of Alberta
Environment



Provincial monitoring wells sample output.

AENV Update: (Audio File was corrupted need to update January 10 2013).

ERCB Updates:

1) The new Groundwater Atlas that was authored by the ERCB's Alberta Geological Survey group and Alberta Environment is available if requested. This particular atlas deals specifically with the Edmonton - Calgary corridor. Eventually all areas of the province will be similarly addressed. The atlas helps to understand the province's groundwater resources, and involves a study of the geology, physical and chemical properties of groundwater, and the results of the mapping. Please contact Steve if additional copies are required by anyone else within the group. I have secured a copy for each of the synergy groups, so I will bring one to our next meeting. Possibly Michael or someone else may want to be the keeper of this item if they want.

2) Pat Payne, Manager of the Orphan Well Association will be providing a presentation on her group's role and responsibilities on **Jan. 23, 2013 (7 pm)** at the Pembina Area Synergy Group

meeting which is held at the PennWest Building Conference Room in Drayton Valley. If anyone is interested, they are welcome to attend.

3) Single energy regulator update: The ERCB and portions of SRD (Sustainable Resource Development) and Alberta Environment that have oil & gas related functions will be amalgamated together by June 2013 under the new regulating body which will be called the **Alberta Energy Regulator (AER)**. This transition is ongoing and is parallel to the Responsible Energy Development Act (Bill 2) which will govern this regulating body. SRD and Environment have already merged in this capacity to date .

4) Sept 20, 2012 the ERCB came out with Bulletin 2012-20 dealing with the new requirements for abandoned wells in the province (scanned copy attached) Effective Nov. 1, 2012 it will be mandatory for municipalities and developers to be a minimum of 5 meters away from abandoned oil and gas wells. The new requirements will apply to all new subdivision applications and development permits for new buildings larger than 47 square meters (or 500 square feet) Since 1996 municipalities and developers have been encouraged to check and accommodate for abandoned wells before beginning new developments; however, these changes will make the practice mandatory. The ERCB will be contacting operators regarding abandoned well sites they control that may be in close proximity to surface developments. To ensure public safety, operators contacted by the ERCB will be required to test these wells and if necessary, make any required repairs.

5) New ERCB Directive 071: *Emergency Preparedness and Response Requirements* was released for external consultation and feedback on Oct. 16, 2012. The previous ERCB Emergency Planning & Assessment Section that looked after this has now had its name changed to the: Emergency Preparedness & Audit Section, which better reflects an enhanced focus on industry's preparedness for emergencies through auditing of their emergency management programs and focus on their emergency response training and exercise evaluations.

Feedback to the document can be made via emails at: directive71@ercb.ca until **Jan. 15, 2013**.

Paper copies of the draft are available via ERCB infor services@ercb.ca Something new is the ability to respond to any questions of the draft by a line by line number so that specific points can be addressed.

Industry Updates: (Note: the audio file was corrupt and we do not have a record of the updates provided to be updated on the January 10 2013 meeting).

Advantage: To update Jan 10 2013

BayTex: To update Jan 10 2013

PennWest:

From PennWest

We were going to present this at the synergy meeting on Nov 01 but since it got cancelled we thought we would send this out instead.

Penn West is going to be doing a license amendment at the 06-01-046-02W5M multi-well oil battery. We want to do this amendment so that our inlet rates match what our existing facility design rates are. Penn West is not performing any equipment upgrades and we are not increasing our H2S rates. There will be no flaring of gas associated with this project as it is strictly administrative.

Our current license rates are :

- *Raw gas = 300 103m³/day*
- *Oil = 191 m³/day*
- *Condensate = 0.0 m³/day*
- *Water = 20 m³/day*
- *Sulphur = 3.66 t/d*
- *H2S = 9%*

Now we would like to change these rates so that they match the maximum design rates:

Our new license rates would be:

- *Raw Gas = 600 103m³/day*
- *Oil = 191 m³/day*
- *Condensate = 0.0 m³/day*
- *Water = 40 m³/day*
- *Sulphur = 7.32 t/d*
- *H2S = 9%*

Scollard:

Kingsmere have acquired some of the assets of Scollard. They have been updated as to who the BLWSG is and will be in contact for potential future attendance.

County of Wetaskwin: No updates

Trilogy Resources Ltd: Nothing new to report.

Seismic BMP: Paul to redraft as the version circulated had errors in it.

Next Meeting: January 10, 2013

Action Items:

#174 – Follow up with Reclamation BMP

#175 – Seismic Operations BMP

#176 – BMPs to be reviewed in the new year. Paul to circulate electronic. To review in the new year.

ATTENDANCE LIST

Nov. 29, 2012

INDIVIDUAL	REPRESENTING
Paul McLauchlin	Facilitator
Jim Stevens	Resident
Pat Schmaltz	Baytex
Terry Kreese	Baytex
Rob George	AB Environment
Allan Browse	Penn West
Ken Jenny	Resident
Michael Black	Resident
Monte Hurt	Advantage Well Gas
Dave Doze	Resident
Rod Calder	PennWest
David Helmer	AB Environment
Joanne Broderson	Resident
Kathy Rooyakkers	County of Wetaskwin
Barry Cole	ESRD
Terry Krause	Alberta Parks
Ken Moen	Scollard
Dennis Miller	Kingsmere