



Peace River Area Monitoring Program (PRAMP) Committee

April 18, 2016

1:00pm to 3:15pm

By teleconference

Meeting Notes

Attendees:

Name	Sector Group	Organization
Doug Dallyn	Public	
Mark Roberts	Public/Municipal	MD of Smoky River
Garrett Tomlinson	Municipal	Northern Sunrise County
Reid Glenn	Public	
Yan Liu	Government of Alberta (GOA)	Alberta Environment and Parks
Bob Myrick	GOA	AEMERA
Krista Park	GOA	Alberta Health Services
Mike Zelensky	GOA	Alberta Energy Regulator
Darcy Allen	GOA	Alberta Energy Regulator
Allison Fisher	Industry	Shell
Anthony Traverse	Industry	Baytex
Court Sandau	Industry	Baytex
Adam Bryson	Industry	Murphy
Karla Reesor		Moving Forward (facilitator)
Kate Nesbitt		Kineticor (Item 3)
Duane Burkard		Tervita (Item 4)

These notes are provided as a summary of discussions of the PRAMP Committee. The views and ideas noted do not necessarily reflect the perspective of each Committee member. Decisions are taken by consensus.

1. Review Agenda

- Participants confirmed the agenda.

2. Approve Meeting Notes

- Participants approved the revised meeting notes from March 10, 2016.

3. Kineticor

- Kate Nesbitt (Kinetikor) provided a short overview of a proposed project in the Peace River area for the information of PRAMP Committee members.
- Kinetikor is proposing a 100 MW power project that could consume up to 21,000 GJ per day of flare gas from area oil producers.
- There is an annual commitment of at least 5.8 BCF of flare gas from producers.
- The facility is proposed to be located 40 km east of Peace River, and to be in operation by the end of 2017 (depending upon regulatory and Alberta Electric System Operator progress).
- Benefits:
 - Reduces flaring in the Peace River area
 - Use waste gas to create useful energy
 - Reduces greenhouse gas (GHG) emissions and VOCs
 - Supports the Provincial Climate Leadership strategy.
- Final investment decisions will take place in September 2016.
- Working through the environmental application processes now and intend to apply to the AUC in June.
- The goal is to use 100% flare gas – annual consumption will depend on arrangements with producers.
- The facility will be able to handle wet gas – Kinetikor will take the gas in the state in which it is currently sent to the flare. Please email Kate to get more specific information on the acceptable moisture range.
- Kinetikor will keep the Committee informed on possibilities for tours of the site.
- The two locations are proposed, and Kinetikor is assessing which will be the best site based on environmental assessments.
- Any opportunity to run greenhouses off the waste heat? Not at this point; Kinetikor hopes to capture the waste heat at a future stage.
- Kinetikor wants to be transparent and keep the Committee and community informed.
- Kinetikor has a project in Saskatchewan running (Phase I with Surge Energy) and other projects potentially coming on stream.
- The Peace River project would be the first Kinetikor project in Alberta.
- The Committee thanked Kate and Kinetikor for providing the information to the Committee.
- For more information, go to www.kinetikor.ca, or send an email to info@kineticor.ca

4. Tervita

- Duane Burkard (Tervita) provided an overview of Tervita's Energy Services Division.
- The Energy Services Division assists clients in processing, recovering, marketing and disposing of fluids and solids in natural resource and industrial operations.
- Treatment, recovery and disposal facilities (TRDs) separate waste water and waste solids, while recovering oil from petroleum wastes.
- Tervita is the largest owner and operator of Class II Industrial landfills in Western Canada. Tervita is responsible only for marketing, product acceptance approvals and the financial transactions (invoicing/collecting) for the regional landfill in Peace River. This is only for class II industrial products coming into the regional landfill.

- Tervita TRD solids in Peace River typically go to Silverberry, BC for disposal as they do not meet the criteria for Class II disposal.
- Tervita operates cavern disposal facilities in Lindbergh, AB and Unity, SK.
- Peace River area has one TRD facility and there are four main operating components:
 - Waste Processing
 - Custom Treating
 - Terminalling
 - Water Injection.
- Peace River TRD uses an air assisted flare to optimize combustion. A pilot is maintained at all times and the air concentration is optimized to allow a clean, smokeless burn.
- Solids are loaded onto trucks with a loader that stays on site. The loading is open to air. Tank trucks are offloaded into a sealed system. Vac trucks have the option to unload into a sealed system and this approach is used when at all possible.
- Air gathering systems continually pull a certain volume of air through a collection piping system and then through scrubbers. Vapours are gathered, and then run through scrubbers to remove hydrocarbons.
- Sour product on vac trucks is sweetened prior to coming on site for offloading.
- More than one type of scrubber is used.
- Ecosorb has been one of the most successful products for Tervita's purposes.
- Tervita has done some monitoring for VOCs in the past and solids are tested for several parameters (BTEX is one of those parameters).
- Tervita does its own assessments and testing of products received and product leaving the site (processed solids for example).
- Tervita has had some odour complaints in the past, some odor complaints have been confirmed as off-site odors that have travelled on site and then off site again, some odour complaints have been confirmed as off-lease odours from Tervita. Approximately four months ago, Tervita installed a data monitoring weather station.
- AER and residents in a certain radius of the facility would be notified in advance of planned outages.
- For approximately four years, vac truck receiving hoppers have had covers so that product can be off-loaded in a covered area.
- PRAMP Committee members noted that it would be helpful to arrange a tour of the Tervita facility for interested Committee members. Residents are also welcome to have a tour of the facility. PPE can be provided by Tervita for a safe and educational tour. Blair Fortin is the person at Tervita to contact to arrange a tour (780-624-2836).
- Tervita is considering the option of joining the PRAMP Committee. A Tervita representative will be in touch with the Committee with some questions about membership.
- Tervita will confirm if it is able to share data logs from the weather station.
- The Committee indicated it would welcome Tervita as a member of the Committee and thanked Duane and Tervita for keeping the Committee informed.
- Tervita makes any and all attempts to continuously improve its processes to minimize and eliminate any offsite odors. Tervita's services are offered to producers as a solution to their oilfield waste challenges – it strives to be part of

the solution and not part of the problem.

5. Recent Air Monitoring Data

- Yan provided information about the NMHC/THC ratio for 2011 to 2016 for the Three Creeks 986b station. The ratio declined from 2011 and 2014, and started to increase in 2015.
- Similarly, the number of hours with a NMHC hourly average with values above zero declined from 2011 to 2014, and started to increase in 2015.
- The change in NMHC values will be assessed in the PRAMP Annual Review and the Committee will have further discussion about possible causes after the report is available.

Action – Mike will contact Tervita to inquire about changes in the scrubbers that may have had an impact on the NMHC levels.

- Mike provided information about background levels of methane at the three stations. Data indicates that there are background methane levels at and above 2 ppm and it seems to be a regional effect.
- Mike will continue to assess the background levels as additional data becomes available, and the Committee will discuss further.

Action – Karla will include an item on the May meeting agenda for background methane levels.

6. Station Audit Results and Response to Recommendations

- Audits were completed for the three stations and the Industry Air Quality Working Group prepared a response to the audit findings.
- The PRAMP Committee was asked to consider how to respond to one audit finding related to network site documentation that meets the requirements of Air Monitoring Directive (AMD) Chapter 3 SS 4-C.
- AEMERA has confirmed that they are satisfied that the audit findings have been or are in the progress of being addressed.

Action – The Industry AQWG will review the AMD, make inquiries to AEP or AEMERA as needed and prepare a response to AEMERA for the one remaining audit finding.

7. PRAMP Committee Bylaws

- Draft bylaws were provided in advance of the meeting.
- It was noted that the description of Community Members in Article 4.4 should be expanded to be sure that it includes all possible community members.
- With the revised wording, the members present had no remaining concerns with the draft bylaws.

Action – Mark will confirm that the MD of Smoky River has no remaining concerns with the draft bylaws.

Action – Karla will investigate the next steps for finalizing the bylaws and keep the Committee informed.

8. PRAMP Code of Conduct

- The group reviewed the draft Code of Conduct that was initially circulated in advance of meeting on March 10, 2016.
- Participants indicated that it would not be an option for them to “support” Committee decisions if they did not agree with the decision.
- It was acknowledged that for all policy (non-administrative) decisions, the Committee anticipates reaching consensus decisions and therefore all members should be able to support those decisions.
- For the situations where the Committee is unable to reach consensus and a majority vote is relied upon, participants agreed that members should not have to actively support a decision that they did not agree with.
- Alternative wording will be proposed and further discussion may be needed to clarify expectations.

Action – Karla will prepare a revised draft Code of Conduct to reflect the Committee discussion, and will share the Code with the Committee and with the Industry Steering Committee for their information.

9. Round Table Updates

- PRAMP Annual Review
 - Matrix is currently preparing the Annual Review.
 - A Draft copy will be sent to the PRAMP Committee by April 25. Committee members will be asked to provide comments in track changes back to Mike by May 2.

10. Next Meetings

- May 12 – 1:00pm to 3:00pm
- June 9 – 1:00pm to 3:00pm

ACTION ITEM LOG

Action Item Number	Action Item Description	Status
New Action Items		
2016-04-01	Mike will contact Tervita to inquire about changes in the scrubbers that may have had an impact on the NMHC levels.	NEW
2016-04-02	Karla will include an item on the May meeting agenda for background methane levels.	NEW
2016-04-03	The Industry AQWG will review the AMD, make inquiries to AEP or AEMERA as needed and prepare a response to AEMERA for the one remaining audit finding.	NEW
2016-04-04	Mark will confirm that the MD of Smoky River has no remaining concerns	NEW

	with the draft bylaws.	
2016-04-05	Karla will investigate the next steps for finalizing the bylaws and keep the Committee informed.	NEW
2016-04-06	Karla will prepare a revised draft Code of Conduct to reflect the Committee discussion, and will share the Code with the Committee and with the Industry Steering Committee for their information.	NEW
Ongoing Action Items		
2015-09-03	Mike will provide another draft of the monthly report for the next meeting, based on the current month's data.	
2015-10-01	Mike will ensure that the 99 th percentile explanation on the AER Dashboard indicates that it is not a health-related indicator.	
2015-12-13	Wally, Mike and Reid will develop information as an alternative option to illustrate how the data results have changed over time. The targets and reporting will be discussed at the January 28 Committee meeting.	
2016-01-01	Mike will look into how the AER complaint information can be shared with industry and others on the PRAMP Committee in a timely way.	
2016-01-03	Karla will bring forward an agenda item at a future meeting to discuss communication protocols for the PRAMP Committee with the media and other parties outside the Committee	
2016-01-16	Stephanie will look into the status and timing of the contract with Maxxam for 986b and 842b.	
2016-02-03	ALL – Each sector (Industry, Government and Community) will identify a Chair for their sector.	
2016-03-04	AQWG and AER will have further discussion about what information could be collected and tracked for canister events.	
2016-03-05	Mike will look into the monitoring that has been done and provide an update to the Woodland Cree and the PRAMP Committee.	
Parked Action Items		
2016-01-05	The AQWG will work with AEMERA to implement the sampling program and to address the question of whether the background is different at the three monitoring stations. <i>(To be addressed in 2017 following the completion of the background sampling program)</i>	
2015-09-02	Anthony will look into obtaining a chromatogram and retention times for the VOCs, TRS and THC. <i>(May no longer be needed?)</i>	
Completed Action Items		
2016-03-01	All are asked to provide any further comments on the bylaws to Karla as soon as possible, with a view to finalizing the bylaws at the April PRAMP Committee meeting.	
2016-03-02	Reid will provide a copy of an EMS template and Committee members are asked to consider whether it would be beneficial to consider developing an EMS for PRAMP, focused on air monitoring. <i>Done</i>	
2016-03-03	Mike will invite Tervita to provide information on its operations to the Committee at a future meeting. <i>Done</i>	
2015-12-03	Karla will talk with AER staff about how to define the location covered by the PRAMP in the bylaws. <i>Included in draft bylaws for April meeting</i>	
2015-12-09	Mike will check on the option to have reference to AER Directive in the bylaws as a way to define the geographic area. <i>Legal description included rather than reference to AER Directive</i>	
2016-01-12	Yan will look into options for portraying the NMHC for canister events. <i>Option provided</i>	