
FW: follow up on AB data

From Tannis Such <tsuch@ptac.org>
Date Wed 7/9/2025 2:49 PM
To Ida Karimfazli <ida.karimfazli@concordia.ca>
Cc leah.b.davies@exxonmobil.com <leah.b.davies@exxonmobil.com>

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Hi Ida,

Hope your day is going well! Per your email and our discussion, I reached out to our contact at AER and he provided the following information. Is this what you were hoping for? Feel free to give me a call at 403-835-7824 if you would like to discuss this! Thanks. Tannis

Tannis Such
Director, Environmental Research

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From: Rajan Varughese <Rajan.Varughese@aer.ca>
Sent: Wednesday, July 9, 2025 12:44 PM
To: Tannis Such <tsuch@ptac.org>
Cc: Andrew Robinson <Andrew.Robinson@aer.ca>; leah.b.davies@exxonmobil.com
Subject: RE: follow up on AB data

Hi Tannis,

An SCVF/GM report can be downloaded for **free** from the AER's website. It appears Ida has already been made aware of this report.

- This report identifies all wells that have an SCVF/GM incident reported and contains all the SCVF/GM data (at the time of initial detection).
- Please be aware that the data in this report consists of information reported by the licensees.
- **Using this data to assess trends or obtain insights depends on ensuring the data is properly qualified.** For example, the flow rate and pressures are reported by the regulated parties, usually at the time of detection. These readings may not be updated frequently over time, as they can fluctuate or be impacted by repair attempts made.
- The AER's Well Integrity Management directive, *Directive 087*, follows a risk and outcome-based model. As a result, we do not require licensees to report on all the specifics of any repair work done to address SCVF/GM incidents if the incident is successfully resolved and complies with the requirements outlined in the directive. For this reason, there is no comprehensive report that includes all the details on the repair work done to address SCVF/GM incidents.

As a friendly reminder,

- The report (csv file format) is called "**Well Vent Flow/Gas Migration Report**." The SCVF/GM report is available through the **self-service feature** that is available on the AER's Products and Services Catalogue landing page at <https://www1.aer.ca/ProductCatalogue/index.html>.

- The Well Vent Flow/Gas Migration Report provides information regarding the SCVF and/or gas migration incident when it was initially detected (i.e., date incident was detected, initial SCVF/GM parameters, the resolution date, etc.).
 - Unfortunately, due to the DDS system's limitations, it cannot track any changes to the SCVF/GM parameters over time (or upload SCVF/GM test results, etc.).
 - As per *Directive 087: Well Integrity Management*, any "routine" and/or "non-routine" repair work information (including SCVF and/or gas migration test results) is required to be saved in the licensee's well files.
- **Please Note:** There is a similar report that is available for free regarding casing failure incidents reported by Industry. The report is called "**Well Casing Failure Report**."

In addition, there is a General Well Data Report (Tableau Report) that is available for **free** on the AER's website at <https://www.aer.ca/data-and-performance-reports/activity-and-data/lists-and-activities/general-well-data>.

- The report provides data reported by licensees under *Directive 059: Well Drilling and Completion Data Filing*, such as perforations and cement squeeze details,

including those executed for vent flow and gas migration repair attempt(s).

- Data from both of these reports may be aggregated to provide an overview of the repairs implemented to address vent flows and gas migration, however, it may still not cover all of the specifics of the executed repair attempt(s).

To get the most detailed and specific information regarding the repair work conducted to address SCVF/GM incidents, it is recommended to reach out directly to the licensees. They can provide comprehensive reports that include all the details needed.

Another option is,

- The daily tour reports for each well can be ordered through InformationRequest@aer.ca. The information you are looking for should be available in these reports.
- **Please Note:** The daily tour reports typically do not provide the rationale for the intervention interval selected by the licensee, logging interpretations, the pre and post-intervention SCVF/GM test results, any assessments of the impacts of the intervention conducted, lessons learned, etc.

To inquire about the AER providing “academic access” to the daily report information, you will need to reach out to either,

- AER’s Product and Services at InformationRequest@aer.ca, or
- AER’s Core Research Centre at crc.servicedesk@aer.ca

Regards,

Raj Varughese (he/him), P.Eng.

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Security Classification: Protected A

From: Tannis Such <tsuch@ptac.org>

Sent: July 7, 2025 11:49 AM

To: Rajan Varughese <Rajan.Varughese@aer.ca>; Andrew Robinson <Andrew.Robinson@aer.ca>

Cc: leah.b.davies@exxonmobil.com

Subject: FW: follow up on AB data

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Hi Raj/Andrew,

Hope this note finds you both well.

Ida Karimfazli, with Concordia is working on one of our WCRC projects has been provided access to the Vent Flow Gas Migration Report on leakage data. Is there a complementary report or database that includes details on the repair work done to address SCVF/GM incidents? Their goal is to compile, process, and analyze the available information to extract as much insight as possible. However, they have encountered some limitations: several other files listed in the AER Product Catalogue cannot be downloaded freely.

Would it be possible to provide academic access to these datasets, or explore alternative ways to access the information for the project? Please let me know if this is possible and/or if you require any further information for this request. Thanks so much! Tannis

Tannis Such

Director, Environmental Research