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**To:** [Ash, Margaret](#)  
**Cc:** [Hines, Christopher C.](#); [Baroumand, Soraya](#)  
**Subject:** NOAV update  
**Date:** Wednesday, September 01, 2010 9:52:00 AM  
**Attachments:** [I30A - Pit Closure \(08-18-2010\).pdf](#)

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Margaret

This email provides follow-up to the Notice of Alleged Violation (NOAV) issued to Encana Oil & Gas (USA) Inc. on June 8, 2010 for the open pits on the I30A well pad. The NOAV specified a corrective action date of July 22, 2010 to close the pits on the I30A well pad. While we have taken numerous steps to close the pits, remediation efforts are still underway. The following summarizes corrective actions taken to date:

- On June 15, 2010, Encana personnel met with you and Soraya Baroumand at the I30A well pad. We reviewed the circumstances/status of the 2 open pits. You observed collection of a composite sample from the bottom of the west pit. The east pit required additional work prior to sample collection, to include removal/stockpiling of the soil in the pit and to establish a new pit bottom.
- The additional excavation on the east pit was completed the week of June 21. One foot was removed from the sides of the pit, and 3 feet of spoil was removed from the pit bottom. Approximately 60 yards of spoil was stockpiled next to the pit. Soraya Baroumand witnessed composite sampling of the stock pile and the east pit bottom on Tuesday, July 6, 2010.
- Sample results from the west pit were received on June 25, 2010 with supplementary data received on June 30. Based on the results, the primary constituent of concern was TPH, which was detected at a concentration of 501.6 ppm vs. the Table 910-1 allowable level of 500 ppm. The sample was re-run by the laboratory with a resulting concentration of 360 ppm. Given the range of results very near or below the allowable level, remedial action was not taken for this constituent. While exceedences of Table 910-1 were noted for SAR, pH and arsenic, the arsenic was within the range of background. The SAR and pH impacts are at a depth below the agronomic zone and will remain so. The west pit remains open to provide additional reclamation options should final disposal volumes of remediated spoil from the east pit cause space problems on the location. Sample results can be found in the attached data summary table. Full laboratory reports and remediation description will be provided with the Notification of Completion.
- Initial sample results from the east pit were received on July 15, 2010. TPH results for both the spoil pile and the pit bottom were detected at levels above the allowable concentration of 500 ppm (3,611 ppm and 4,334 ppm, respectively). Based on these results, additional remediation/excavation work was scheduled. An additional 2 feet of soil was removed from the pit bottom and added to the existing stockpile.
- Composite samples were again collected from the east pit bottom and stockpile on August 16, 2010. While the results indicate a reduction in TPH levels, they still remain over 500 ppm (1,200 ppm TPH in the pit bottom, 2,800 ppm TPH in the stockpile).
- Additional remedial action is required on the east pit. We are discussing options internally to determine the best path forward for closing this pit.

Please give me a call if you have questions/concerns or require further documentation at this time. We continue to work towards closure and will submit full documentation once pit closure is achieved.

Thank you

Kathy Friesen

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