



STATE OF COLORADO

Andrews - DNR, Doug <doug.andrews@state.co.us>

Bayswater Arellano 10-L Pad (400713103) and Arellano 10-L Facility (400713204) - New & Revised BMPs

1 message

Ann Stephens <astephens@petro-fs.com> Mon, Jan 26, 2015 at 1:54 PM
To: "Noto - DNR, John" <john.noto@state.co.us>, Greg Deranleau - DNR <greg.deranleau@state.co.us>
Cc: Mike Leonard - DNR <mike.leonard@state.co.us>, Doug Andrews - DNR <doug.andrews@state.co.us>, Jennifer Grosshans <jgrosshans@petro-fs.com>, Jeffrey Annable <jannable@petro-fs.com>, Renee Gibson <rgibson@petro-fs.com>, "Mark E. Brown" <mbrown@bayswater.us>, Dan Brugeman <dbrugeman@bayswater.us>, Kristi McRedmond <kmcredmond@petro-fs.com>

Greg and John,

Thank you for your time on Friday's conference call with Mark Brown and Dan Brugeman from Bayswater.

In response to our discussion, attached please find revised and new BMPs to be added to the Form 2A for the Arellano 10-L Pad and Facility, along with a copy of the sound wall map.

In regard to the COAs below, Bayswater agrees to all three, however, please be advised that your proposed COAs have been incorporated in the attached memorandum.

Bayswater will be following up with the narrative description for lands north of East 16th Street and a synopsis of the Open House tomorrow.

Please review and advise of any questions or concerns. Again, many thanks for all your support and guidance.

Respectfully,

Ann Stephens

Regulatory Manager

Petroleum Field Services, LLC

7535 Hilltop Circle

Denver, Colorado 80221

Office: 303-928-7128

Fax: 303-218-5678



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From: Noto - DNR, John [mailto:john.noto@state.co.us]
Sent: Thursday, January 22, 2015 2:30 PM
To: Jennifer Grosshans; Regulatory members
Cc: Mike Leonard - DNR; Greg Deranleau - DNR; Doug Andrews - DNR
Subject: Re: FW: Bayswater Arellano 10-L Pad (400713103) and Arellano 10-L Facility (400713204)

Jennifer,

Please provide additional information for BMP #9 - Noise Mitigation Measures for Form 2A #400713103. Will the drill site be powered by on-site generators or will it be powered by electricity from the grid? COGCC requires the BMP to convey the actual plans for regarding the sound mitigation and the rationale for those plans. Other potential noise mitigation measures such as strategic placement of stockpiled soil should also be described.

9 Noise mitigation The drill site will be powered by electricity, mitigating the majority of noise from drilling operations. Sound walls and/or hay bales will be used to surround the well site during drilling operations.

COGCC also requires the following Conditions of Approval or BMPs for the Form 2A;

1. Operator shall conduct a **background noise survey** that includes both A and C-Scale measurements, and shall be conducted based on the guidance for distances and methods described in Rules 802.c and 802.d. Measurements shall be collected (at the minimum) in the four cardinal directions from the proposed location as close to 350' from the wellheads as possible. COGCC recommends a minimum of 72 hours for the measurements. Provide the sound survey results to COGCC prior to construction.
2. Operator shall use engineered sound walls and certify that engineering recommendations are being followed for the walls. The walls must be engineered to control both noise during drilling and hydraulic fracturing operations.
3. Sole use of hay bails for sound mitigation will not be allowed. Hay bails cannot be stacked high enough to sufficiently mitigate light or noise.

Please feel free to call or email with questions or concerns.

Thank you,

John Noto

On Wed, Jan 21, 2015 at 1:48 PM, Noto - DNR, John <john.noto@state.co.us> wrote:

Mike, Please review, comments are appreciated.

Jennifer,

Please provide additional information for BMP #9 - Noise Mitigation Measures for Form 2A #400713103. Will the drill site be powered by on-site generators or will it be powered by electricity from the grid? COGCC requires the BMP to convey the actual plans for regarding the use of sound walls, hay bails, or both, and the rationale for those plans. Other potential noise mitigation measures such as strategic placement of stockpiled soil should also be described.

9 Noise mitigation The drill site will be powered by electricity, mitigating the majority of noise from drilling operations. Sound walls and/or hay bales will be used to surround the well site during drilling operations.

COGCC also requires the Operator to conduct a **background noise survey** and shall include both A and C-Scale measurements, and shall be conducted based on the guidance for distances and methods described in Rules 802.c and 802.d. Multiple measurements shall be collected at a sufficient number of points, distances, and at durations to accurately characterize the ambient (background noise) with particular emphasis on measurements near Building Units. The completed survey shall be provided to COGCC prior to construction.

On Mon, Jan 19, 2015 at 11:25 AM, Jennifer Grosshans <jgrosshans@petro-fs.com> wrote:

Mr. Noto,

I just received Doug's away message, please see below, thank you!

Jennifer Grosshans

Regulatory Analyst

From: Jennifer Grosshans
Sent: Monday, January 19, 2015 11:24 AM
To: 'Andrews - DNR, Doug'
Cc: Regulatory members
Subject: Bayswater Arellano 10-L Pad (400713103) and Arellano 10-L Facility (400713204)

Doug,

Since Bayswater is on a tight schedule to get these locations approved, Dan Brugeman went ahead and contacted the three (3) Building Unit Owners (BUO) that were requesting consultation. The questions asked were general in regards to where the locations will be built, what the layouts will be and the timing of the operations. Dan then invited each of the BUOs to the Open House that they will be holding on January 27th in Greeley. The Open House is not being held to resolve the consultation requests, it is being held as a courtesy to the community.

Please find attached the Completeness Certification to Director for the Arellano 10-L Pad and Arellano 10-L Facility.

Bayswater would like to start building this location by the end of January to accommodate their rig schedule of February 15, 2015. Is it possible to get these Form 2As approved by the end of the week?

Let me know if you have any questions or concerns or if there is anything I can help with.

Truly,

Jennifer Grosshans
Regulatory Analyst

Office: 303-928-7128

Fax: 303-218-5678



Petroleum Field Services LLC

7535 Hilltop Circle

Denver, CO 80221

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—

John Noto P.G.

Oil and Gas Location Assessment Supervisor



P 303.894-2100 ext 5182 | C 720.498-5298

1120 Lincoln Street, Suite 801, Denver, CO 80203

john.noto@state.co.us | www.colorado.gov/cogcc

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John Noto P.G.

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P 303.894-2100 ext 5182 | C 720.498-5298

1120 Lincoln Street, Suite 801, Denver, CO 80203

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2 attachments

 **BEP_ARELLANO_10_L_Custom_Exhibit_LargeNoBuffers_Size36x48.pdf**
7277K

 **Arellano 10-L Facility Revised BMPs 1.26.15.docx**
1314K