

STATE OF  
COLORADO

Doc # 1313043

Spill 477094

7/15/2020

Neidel -, Kris &lt;kris.neidel@state.co.us&gt;

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**Pintail battery spill doc 402436370 form 19 supplemental dated 7/15/2020**

1 message

**Schlagenhauf - DNR, Mark** <mark.schlagenhauf@state.co.us>

Thu, Jul 16, 2020 at 10:21 PM

To: dmair@sandridgeenergy.com

Cc: Alex Fischer - DNR &lt;alex.fischer@state.co.us&gt;, "Neidel - DNR, Kris" &lt;kris.neidel@state.co.us&gt;, Steven Wheeler - DNR &lt;steven.wheeler@state.co.us&gt;, Richard Murray - DNR &lt;g.richard.murray@state.co.us&gt;

Dylan,

Good talking to you by phone and thank you for the form 19 supplemental information on root cause and preventative measures that will be taken (below). Please keep in mind that we have proposed modifications to the tank standards and regulations in the upcoming Mission Change rulemaking (600 series), and we would especially encourage you to follow how this rulemaking develops in regard to tanks. In addition to the information given on the form 19 subsequent, please email us the following information:

API (or other specification) for Sandridge tanks in Colorado  
Approximate percentage of lined versus unlined tanks and lining type  
Any use of stainless steel/stainless steel tank bottoms in Colorado  
Inspection protocols/inspection frequency for tanks (i.e. API 653, STI SP 001, other/weekly, monthly, annual)

Please contact me if you have questions or concerns.

Thank you.

Regards,

Mark Schlagenhauf P.E.  
Engineering Integrity Supervisor  
COGCC  
303-894-2100 x 5177

Info from form 19 subsequent:

Describe Incident & Root Cause (include specific equipment and point of failure)  
Corrosion around weld seam between bottom of tank and shell of tank. Approximately 2.5" sludge built up in bottom of tank, promoting bacterial corrosion.

Describe measures taken to prevent the problem(s) from reoccurring:

1. Drop solid biocide blocks in all PW tanks (completed 7/1/2020). 2. Clean and inspect remaining unlined PW tanks. See attached quote. Pending inspector availability, tentatively week of 7/13/2020. 3. Modify tank chemical treatment program based on inspection results. Our chemical program is ongoing.