

**From:** [Karolanne Hudgens](#)  
**To:** [Hamlet, Robert, EMNRD](#); "[stucker@blm.gov](mailto:stucker@blm.gov)"  
**Cc:** [Bratcher, Mike, EMNRD](#); [Camille J Bryant](#)  
**Subject:** [EXTERNAL] Astro Dog Release Site nAPP2204733624 - Discussion Notes  
**Date:** Wednesday, May 11, 2022 12:14:19 PM

---

**CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.**

Per the conference call between Plains, NMOCD and BLM, the following was discussed regarding the Astro Dog 6-inch, hereinafter referred to as the 'Site':

- The release at the Site was caused by a third-party line strike on the Plains Astro Dog 6-inch pipeline on February 14, 2022.
- The majority of the excavation has been vertically and/or horizontally delineated, with the exception of the north/northwest sidewall/floor and the west sidewall and floor.
- The lithology of the excavation area is mostly resilient hard rock (capable of breaking a hammerhoe) with interbedded lenses of more porous material (on average approximately 6" – 8" in thickness).
- Our main issue at the site has been chasing relatively low-level hydrocarbon impacts within these lenses to beneath a 16-inch Crestwood high-pressure gas line, which runs through the site from the southwest to the northeast and comprises the north/northwest boundary of the excavation.
- Plains is currently waiting on sample results from the western floor to determine if delineation has been achieved.
- Due to the location of the Crestwood gas line to the excavation area, and the safety risks associated with excavation of the hard rock material in proximity to the line, Plains requested an alternative method of remediation for this area.
- Plains also requests an extension for completion of remediation to closure at the Site.

Based on the results of the conference call, the following site activities have been agreed upon:

- The NMOCD will grant Plains an extension for completion of remediation activities at the Site.
- Plains will continue to delineate the area to the west, if applicable based on the sample results, where it is viable to excavate and collect samples to confirm delineation.
- Plains will treat the affected portion of the north/northwest sidewall of the excavation that is in proximity to the Crestwood gas line with an application of a 30% hydrogen peroxide solution utilizing a slow applicator dripper to ensure penetration into the hydrocarbon affected lenses. Plains will treat only the affected areas of the sidewall at or below 14 feet below ground surface (bgs).
- Plains will complete two (2) applications of the hydrogen peroxide treatment, and then collect samples for analysis. Based on the results of the soil samples, viability of the treatment will be determined and reviewed/discussed on another conference call with Plains, NMOCD and BLM. The effectiveness of the treatment and/or the need for further site remediation activities will be discussed at this time.

Plains greatly appreciates your time, and will follow-up with a conference call meeting invite once information is available regarding the sample results from the hydrogen peroxide treatment.

Thanks,

**Karolanne Hudgens**

HSE Remediation Specialist II

Plains All American

1106 Griffith Drive

Midland, Texas 79706

Office: 432.221.7921

Mobile: 575.200.5517

---

ATTENTION:

This message is intended only for the use of the individual or entity to which it is addressed. This message, including any attachments, may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are notified that any dissemination, distribution or copying of this communication is strictly prohibited.

If you have received this communication in error, please notify the sender by return email and delete this message and any attachments from your system.

If you no longer wish to receive electronic messages from this sender, please respond and advise accordingly in your return email.

ATTENTION:

This message is intended only for the use of the individual or entity to which it is addressed. This message, including any attachments, may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are notified that any dissemination, distribution or copying of this communication is strictly prohibited.

If you have received this communication in error, please notify the sender by return email and delete this message and any attachments from your system.

If you no longer wish to receive electronic messages from this sender, please respond and advise accordingly in your return email.