



EnviroScan - DNR, OGCC <dnr_ogcc.envi

Spill ID # 465620
Doc# 1732737
Date: 09/18/2019

Fwd: Spill ID #465620 - PFA Sampling Request

1 message

Axelson - DNR, John <john.axelson@state.co.us>

Wed, Sep 18, 2019 at 10:13 AM

To: Jim Goddard <jgoddard@expedition-water.com>, jcgoddard@expedition-water.com

Cc: Robert Chesson <Robert.Chesson@state.co.us>, Sean Hackett - CDPHE <sean.hackett@state.co.us>

Mr. Goddard,

We received clarification regarding the analytical method and analyte list to use for PFAS. As you recall, COGCC had required one round of groundwater samples to be collected from the existing network of monitor wells to evaluate for potential impacts from the spill. That work was initially required no later than July 30, 2019. Due to the request for the additional analyses, COGCC extends that deadline to October 31, 2019. Results must be provided no later than November 15, 2019 on a Supplemental Form 19.

In addition to the routine analyses performed for the groundwater monitoring program, analyze each sample for PFAS using method 537 modified for the target analyte list attached.

Please call me if you need any additional information.

Thank you,

John E. Axelson, P.G.

Acting Environmental Manager



P 303.894.2100 x5115 | F 303.894.2109 | C 303.916.0527

1120 Lincoln Street, Suite 801, Denver, CO 80203

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Cc. Spill ID #465620 - Correspondence

----- Forwarded message -----

From: **Axelson - DNR, John** <john.axelson@state.co.us>

Date: Fri, Aug 30, 2019 at 11:32 AM

Subject: Fwd: Spill ID #465620 - PFA Sampling Request

To: Jim Goddard <jgoddard@expedition-water.com>
Cc: Robert Chesson <Robert.Chesson@state.co.us>

Mr. Goddard,

I wanted to check with you to see if you had followed up on this request. After doing some research with one of our labs, they indicated the request is not specific enough to guide them in the appropriate analyses to run groundwater samples for. As a result, I'm trying to get clarification from CDPHE on the specific method and target analyte list they are requesting.

If you have not analyzed samples for PFAS yet, please hold off and I will try to provide better, more specific direction in the future.

Thank you,
John

John E. Axelson, P.G.
Acting Environmental Manager



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Cc. Spill ID #465620 - Correspondence

----- Forwarded message -----

From: **Axelson - DNR, John** <john.axelson@state.co.us>
Date: Mon, Aug 19, 2019 at 4:02 PM
Subject: Spill ID #465620 - PFA Sampling Request
To: Jim Goddard <jgoddard@expedition-water.com>
Cc: Robert Chesson <Robert.Chesson@state.co.us>, Sean Hackett - CDPHE <sean.hackett@state.co.us>

Mr. Goddard,

COGCC has been coordinating with the Colorado Department of Public Health & Environment (CDPHE) on oil & gas locations where foam is used to put out fires. On locations where there is an existing monitor well network, we are requesting that samples of groundwater be collected for the following:

The complete list of PFAS analytes associated with current analytical methodologies. This can include EPA Method 537.1 (Liquid Chromatography Tandem

Mass Spectroscopy) for drinking water, SW-846 Method 8327 for wastewater (at public notice until August 23, 2019), and methods meeting the Department of Defense's QSM 5.1 (or later) Table B-15 requirements.

The Form 19 was conditionally approved requesting that one round of groundwater sampling be done to evaluate possible release of contamination to the shallow groundwater. If the follow up groundwater sampling has already been performed, COGCC would request that you include analysis of PFAS during the next scheduled sampling event and report through the Supplemental Form 19 or Form 27 process.

We understand that the foam used was the non-PFA forming, however, CDPHE is still concerned about short chain PFAs that could potentially form from the foam used.

If you have any questions or need additional information, please feel free to call or email me. I've attached a copy of the Spill Report for reference. Thank you,

John E. Axelson, P.G.
Acting Environmental Manager



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2 attachments



EWS_Keenesburg#4_Spill_402084752_approved.pdf
111K



PFAS_Extended List (32 Analytes).xlsx
10K