

**From:** Kris pastoriza [<mailto:krispastoriza@gmail.com>]  
**Sent:** Friday, December 22, 2017 2:25 PM  
**To:** Monroe, Pamela  
**Subject:** Fwd: Complaint Received

Please post as a comment with the attached document. Please redact any e-mails other than mine and Robert Bishop's.

Kris

----- Forwarded message -----  
**From:** **Bishop, Robert** <[Robert.Bishop@des.nh.gov](mailto:Robert.Bishop@des.nh.gov)>  
**Date:** Fri, Dec 22, 2017 at 2:07 PM  
**Subject:** RE: Complaint Received  
**To:** Kris pastoriza <[krispastoriza@gmail.com](mailto:krispastoriza@gmail.com)>

Kris,

The attached letter has been issued based on the review of the Northern Pass geotechnical boring information. I will forward you any other documents that are generated as a result of the review.

Best Regards,

Robert Bishop, Administrator

Spill Response & Complaint Investigation Section

New Hampshire Department of Environmental Services

[603-271-3440](tel:603-271-3440)

**From:** Kris pastoriza [<mailto:krispastoriza@gmail.com>]  
**Sent:** Friday, November 03, 2017 8:35 PM

**To:** Bishop, Robert  
**Subject:** Re: Complaint Received

Thanks.

Could you give me a rough idea of when I might receive a synopsis? I go up for questioning at the SEC hearings in early December, and your assessment, and plan for resolving this issue could be helpful.

Kris

On Fri, Nov 3, 2017 at 2:33 PM, Bishop, Robert <[Robert.Bishop@des.nh.gov](mailto:Robert.Bishop@des.nh.gov)> wrote:

Thank you.

When the review of the initial complaint is finalized we will contact you to provide a synopsis of our activity and findings. The additional information provided below was included with the initial complaint.

Sincerely,

Robert Bishop, Administrator

Spill Response & Complaint Investigation Section

New Hampshire Department of Environmental Services

[603-271-3440](tel:603-271-3440)

**From:** Kris pastoriza [mailto:[krispastoriza@gmail.com](mailto:krispastoriza@gmail.com)]

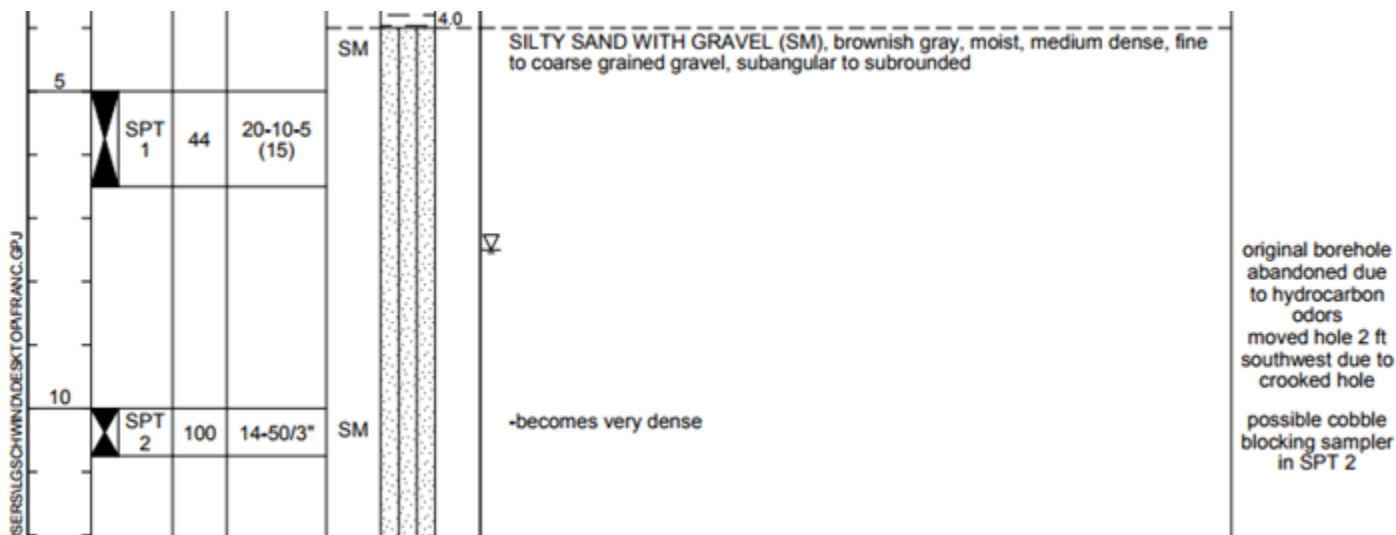
**Sent:** Friday, November 03, 2017 2:05 PM

**To:** Bishop, Robert

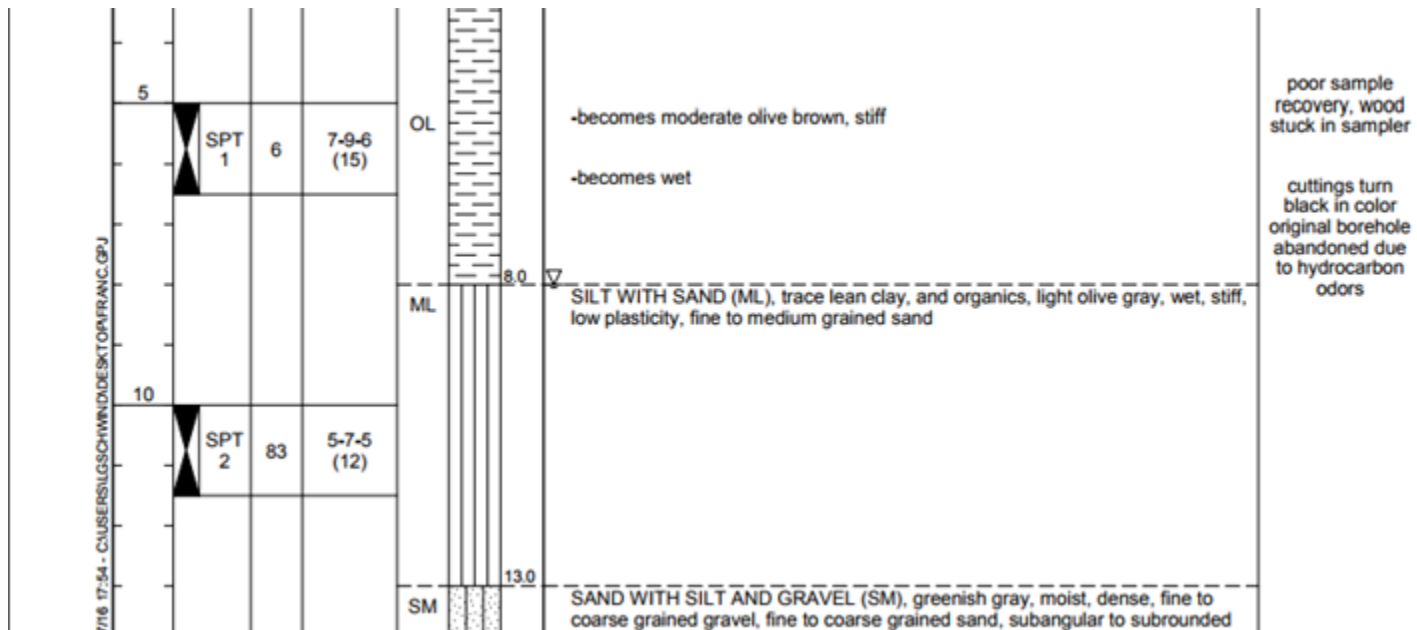
**Cc:** Dick Hage; Mike Ahern; Eric Meth; John Randlett; William Bolton; Mei, Zak; Lara Saffo; Edward Cutler; Bob Thibault; Cheryl Jensen  
**Subject:** Re: Complaint Received

Dear Robert, I attach more info. on hydrocarbons and Northern Pass geotechnical boring for DES consideration.

Borehole 12-A in Franconia moved two feet due to hydrocarbon odors. Is this acceptable?





Did Northern Pass contractors consult with DES before drilling, for mapping/locations of areas where DES hydrocarbon mitigation had been undertaken and where drilling should not be done?



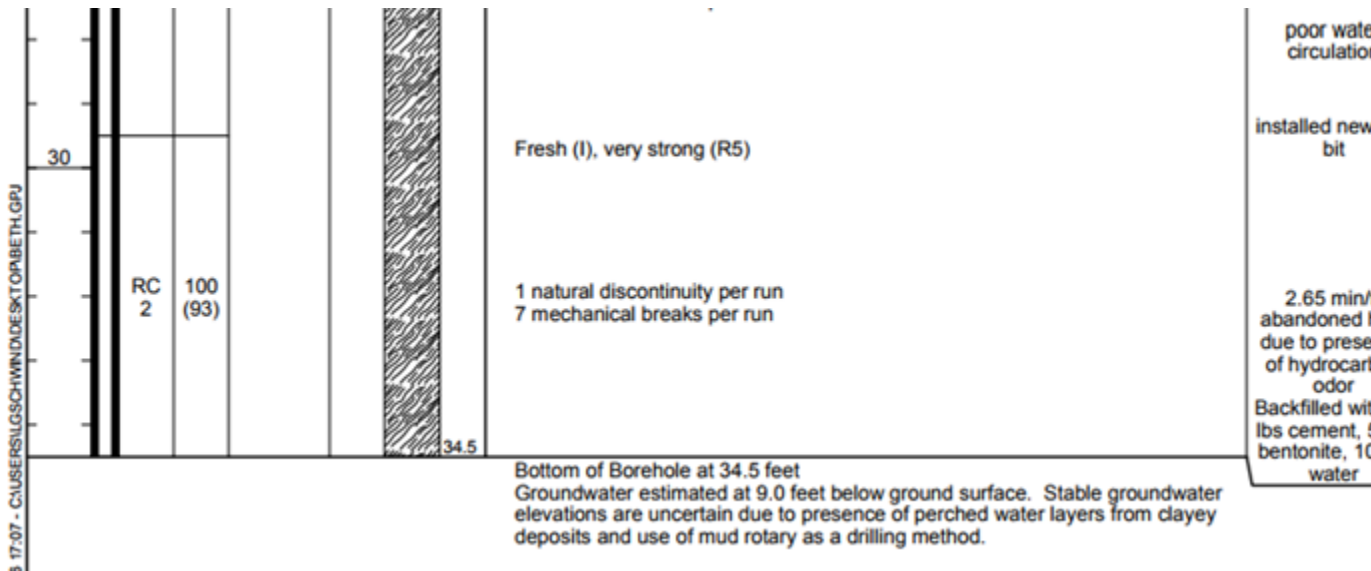
Above: borehole 12-B, Franconia, original borehole abandoned due to hydrocarbon odors, with no indication of where this hole was then drilled.

Below: borehole 12-A, Franconia, at present Presby gas station. Why was this location the only one using a vacuum truck, when other locations on Franconia Main St. are in the DES records as remediated and monitored? Did NPT contractors consult with DES about the appropriate depth to which to use the vacuum truck?

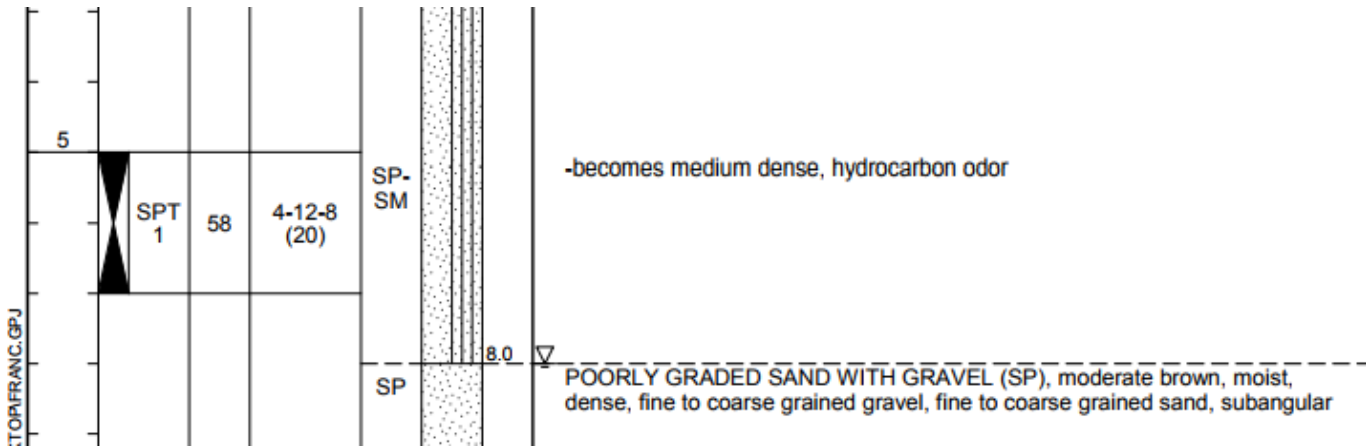
 <b>QUANTA SUBSURFACE</b> <small>Engineering • Construction</small>	Quanta Subsurface 4308 N Barker RD Spokane Valley, WA 99027 Telephone: 509-892-9409		<b>BORING NUMBER BH-13A</b> PAGE 1 OF 3	
	CLIENT <u>PAR Electrical Contractors</u>		PROJECT NAME <u>Northern Pass</u>	
PROJECT NUMBER <u>16004</u>		PROJECT LOCATION <u>Franconia, NH</u>		
DATE STARTED <u>8/30/16</u> COMPLETED <u>8/30/16</u>		GROUND ELEVATION _____      HOLE SIZE <u>4 in</u>		
DRILLING CONTRACTOR <u>SW Cole</u>		LATITUDE <u>44.22727</u> LONGITUDE <u>-71.748035</u>		
DRILLING METHOD <u>Solid Stem Auger/Mud Rotary</u>		DRILLING EQUIPMENT <u>Diedrich D50</u> SPT HAMMER <u>140 lb Auto</u>		
LOGGED BY <u>J. Melton</u> CHECKED BY <u>S. Kearney</u>		GROUND WATER LEVEL:		
NOTES _____		∇ AT TIME OF DRILLING <u>10.0ft*</u>		

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0							
				GM		SILTY GRAVEL WITH SAND AND COBBLES (GM), with asphalt, dusky yellowish brown, damp, very fine to fine grained, fine to very coarse grained gravel, subangular to rounded	backfill from vacuum truck to 9 ft

Borehole 10-B, Bethlehem, hydrocarbons encountered after drilling water/slurry lost to ground.



Borehole 13-B, subject of my original complaint: Is there a public water supply in this area?



Boreholes 125, 128 and 129, at the junction of Route 116 and 112 also encountered hydrocarbons:



QS  
4708 N Barker RD  
Spokane Valley, WA 99027  
Telephone: 509-892-9409

## BORING NUMBER BH-125

PAGE 1 OF 1

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass  
 PROJECT NUMBER 16004 PROJECT LOCATION Easton, NH  
 DATE STARTED 8/3/16 COMPLETED 8/3/16 GROUND ELEVATION NA HOLE SIZE 4 in  
 DRILLING CONTRACTOR SW Cole LATITUDE 44.096395 LONGITUDE -71.830381  
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto  
 LOGGED BY S. Laing CHECKED BY S. Kearney GROUND WATER LEVEL:  
 NOTES 4 ft off road from digsafe arrow

COMPLETED LOGS/EASTON, NH/NPEAST.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0				
		SM		FILL: SILTY SAND WITH GRAVEL (SM), dark brown, hydrocarbon odor noted



QS  
4708 N Barker RD  
Spokane Valley, WA 99027  
Telephone: 509-892-9409

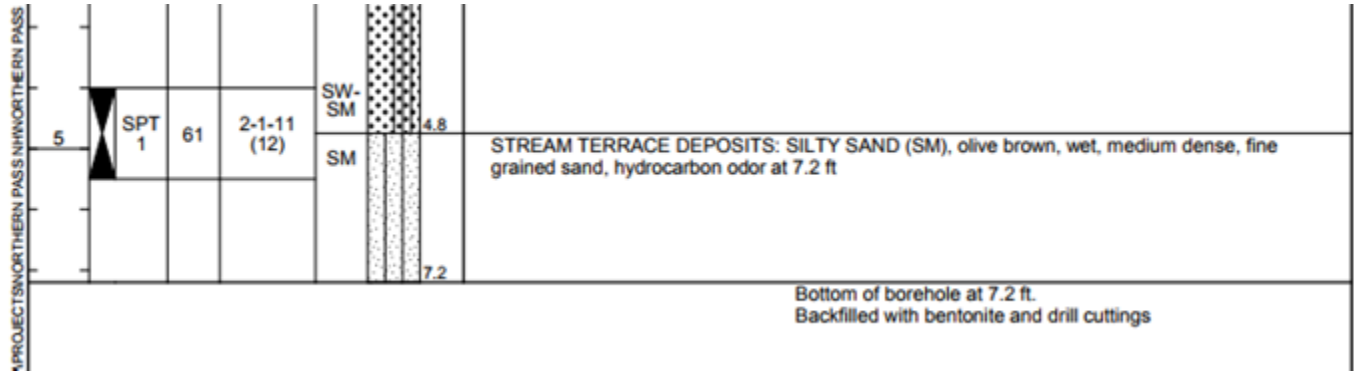
## BORING NUMBER BH-128

PAGE 1 OF 1

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass  
 PROJECT NUMBER 16004 PROJECT LOCATION Woodstock, NH  
 DATE STARTED 8/1/16 COMPLETED 8/1/16 GROUND ELEVATION NA HOLE SIZE 4 in ID/8 in OD  
 DRILLING CONTRACTOR SW Cole LATITUDE 44.090733 LONGITUDE -71.824626  
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto  
 LOGGED BY S. Laing CHECKED BY S. Kearney GROUND WATER LEVEL:  
 NOTES 1.5 ft from digsafe arrow point at edge of road

COMPLETED LOGS/WOODSTOCK, NH/NPWOODSTOCK.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
				GM		FILL: SILTY GRAVEL (GM), trace sand, dark brown, moist, very loose, fine to coarse grained gravel, fine to coarse grained sand, subrounded, hydrocarbon odor noted



Abuteers not notified, towns not notified.

Below, near Beaver Pond, Kinsman Notch: (project location incorrect on the form)





QS  
4708 N Barker RD  
Spokane Valley, WA 99027  
Telephone: 509-892-9409

# BORING NUMBER BH-141

PAGE 1 OF 1

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass  
 PROJECT NUMBER 16004 PROJECT LOCATION Easton, NH  
 DATE STARTED 7/29/16 COMPLETED 7/29/16 GROUND ELEVATION NA HOLE SIZE 4 in  
 DRILLING CONTRACTOR SW Cole LATITUDE 44.04252 LONGITUDE -71.7918  
 DRILLING METHOD Solid Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto  
 LOGGED BY S. Laing CHECKED BY S. Kearney GROUND WATER LEVEL:  
 NOTES stopped drilling due to hydrocarbon odor

MASS NH/NORTHERN PASS TRENCH COMPLETED LOGS/ML/YMOUTH, NH/MP/KY/ML.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0							
				SW-SM		FILL: WELL GRADED SAND WITH GRAVEL (SW-SM), with silt, brown, moist, very loose, fine grained gravel, fine to coarse grained sand, subrounded	
						-hydrocarbon odor noted	
	SPT 1	88	11-50/2"				refusal at 4.7 ft.
						Bottom of borehole at 4.7 ft. Backfilled with bentonite and drill cuttings	

Below: borehole 164, Woodstock

				ML		FILL: SANDY SILT (ML), dark brown, moist, soft, fine grained, hydrocarbon odor	
5	SPT 1	61	4-2-1 (3)				

Woodstock:

CLIENT PAR Electrical Contractors PROJECT NAME Northern Pass  
 PROJECT NUMBER 16004 PROJECT LOCATION Woodstock, NH  
 DATE STARTED 5/27/16 COMPLETED 5/27/16 GROUND ELEVATION NA HOLE SIZE 6 in  
 DRILLING CONTRACTOR SW Cole LATITUDE 44.00986 LONGITUDE -71.686064  
 DRILLING METHOD Hollow Stem Auger DRILLING EQUIPMENT Diedrich D50 SPT HAMMER 140 lb Auto  
 LOGGED BY S. Kearney CHECKED BY S. Kearney GROUND WATER LEVEL:  
 NOTES \_\_\_\_\_

4 PASS NH/NORTHERN PASS TRENCH COMPLETED LOGS WOODSTOCK, NH\NIPWIDSTOCK.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
				SM		FILL: SILTY SAND WITH GRAVEL (SM), brown, moist, loose, fine to coarse grained gravel, fine to coarse grained sand, subrounded
				SP	3.0	FILL: POORLY GRADED SAND (SP), with asphalt, black, moist, loose, fine to medium grained, hydrocarbon odor
5	SPT 1	44	5-3-2 (5)		5.5	
Bottom of borehole at 5.5 ft.						

Plymouth, borehole 271, drilling continues to 15' after hydrocarbons were encountered at 9':

3L - GINT STD US LAB.GPJ - 10/3/16 17:11 - C:\USERS\GSCHEWIDGES\KTOP\PRO

10	SPT 3	100	28-18-14 (32)	ML	9.0	GLACIOLACUSTRINE: SANDY SILT (ML), pale green and dark yellow, moist, dense, stratified, hydrocarbon odor noted, iron oxide staining
15	SPT 4	100	4-1-2 (3)	ML	15.5	-fine grained, hydrocarbon odor noted, 5 inch lens of dry sand, moist
Bottom of borehole at 15.5 ft. Backfilled with auger cuttings						

Kris

<https://www.nh.gov/dot/media/northern-pass/documents/npt-hdd-geotech-memo.pdf> (65' HDD boring logs)

<https://www.nh.gov/dot/media/northern-pass/index.htm> (15' trench boring logs are on this site, along with a boring location map. Lat. and Long. listed on each boring log.)

On Thu, Nov 2, 2017 at 10:55 AM, Bishop, Robert <[Robert.Bishop@des.nh.gov](mailto:Robert.Bishop@des.nh.gov)> wrote:

Good Morning,

I'm writing to let you know that we are in receipt of your complaint pertaining to hydrocarbon odor being encountered at boring drilled in Franconia. This issue is being addressed as part of a broader complaint regarding borings pertaining to the Northern Pass Project. Our petroleum remediation section is investigating and anticipates issuing a letter soon.

I attempted to call you using number 823-9063, is this a correct number for you.

Best Regards,

Bob

Robert Bishop, Administrator

Spill Response & Complaint Investigation Section

New Hampshire Department of Environmental Services

[603-271-3440](tel:603-271-3440)