

04/05/2019



Antero Resources
1615 Wynkoop Street
Denver, CO 80202
Office 303.357.7310
Fax 303.357.7315

April 3, 2019

West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street
Charleston, WV 25304

To Whom It May Concern:

Please find enclosed the Well Operator's Report of Well Work, Form WR-35 (including As-Drilled Survey Plat, Directional Survey and FracFocus report), Discharge Monitoring Report Form WR-34 and corresponding logs for the following wells:

- Penny Unit 1H (API # 47-085-10298)—Mulvay Pad
- Penny Unit 2H (API # 47-085-10299)—Mulvay Pad
- Penny Unit 3H (API # 47-085-10300)—Mulvay Pad
- Stronsnider Unit 1H (API # 47-085-10201)—Mulvay Pad
- Stronsnider Unit 2H (API # 47-085-10202)—Mulvay Pad
- Stronsnider Unit 3H (API # 47-085-10203)—Mulvay Pad
- Trust Unit 1H (API # 47-085-10301)—Mulvay Pad
- Trust Unit 2H (API # 47-085-10302)—Mulvay Pad
- Niley Unit 1H (API # 47-085-10250)—Mulvay Pad
- Niley Unit 2H (API # 47-085-10251)—Mulvay Pad
- Niley Unit 3H (API # 47-085-10252)—Mulvay Pad

If you have any questions please feel free to contact me at (303) 357-7223.

Sincerely,

A handwritten signature in black ink, appearing to read "MGriffith", is written over a light blue circular stamp.

Megan Griffith
Permitting Agent
Antero Resources Corporation

Enclosures

WR-35
Rev. 8/23/13

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47 - 085 - 10250 County Ritchie District Clay
Quad Pennsboro 7.5' Pad Name Mulvay Pad Field/Pool Name -----
Farm name Edwin D. Mulvay et al Well Number Niley Unit 1H
Operator (as registered with the OOG) Antero Resources Corporation
Address 1615 Wynkoop Street City Denver State CO Zip 80202

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4352590m Easting 508708m
Landing Point of Curve Northing 4352712.49m Easting 508962.17m
Bottom Hole Northing 4354883m Easting 508272m

Elevation (ft) 1029' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

Mud Type(s) and Additive(s)

Air - Foam & 4% KCL

Mud - Polymer

Date permit issued 9/29/2015 Date drilling commenced 12/23/2016 Date drilling ceased 6/9/2017
Date completion activities began 1/20/2018 Date completion activities ceased 8/13/2018
Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 24', 76', 124', 422' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1522', 1949' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 653', 664' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:

WR-35
Rev. 8/23/13

API 47-085 - 10250 Farm name Edwin D. Mulvay et al Well number Niley Unit 1H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	24"	20"	105'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	574'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2619'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	14297'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6646'		4.7#, N-80		
Packer type and depth set		N/A					

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	102 sx	15.6	1.18	120	0'	8 Hrs.
Surface	Class A	674 sx	15.6	1.18	826	0'	8 Hrs.
Coal							
Intermediate 1	Class A	1001 sx	15.6	1.18	1181	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	750 sx (Lead) 1145 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.56 (Lead), 1.83 (Tail)	3774	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 14297' MD, 6397' TVD (BHL), 6407' (Deepest Point Drilled) Loggers TD (ft) 14297' MD

Deepest formation penetrated Marcellus Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 5900'

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

Conductor - 0

Surface - 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface

Intermediate - 1 above float joint, 1 above float collar, 1 every 4th joint to surface

Production - 1 above float joint, 1 below float collar, 1 every 3rd joint to top of cement

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED N/A

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API 47- 085 - 10250 Farm name Edwin D. Mulvay et al Well number Niley Unit 1H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
Marcellus	6362' (TOP) TVD	6664' (TOP) MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2800 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 7756 mcfpd Oil 57 bpd NGL --- bpd Water 65 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
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***PLEASE SEE ATTACHED EXHIBIT 3**

Please insert additional pages as applicable.

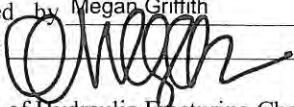
Drilling Contractor Frontier Drilling LLC
Address 562 Spring Run Road City Pennsboro State WV Zip 26415

Logging Company Allied Horizontal
Address 381 Colonial Manor Road City North Huntington State PA Zip 15642

Cementing Company C&J Energy Services
Address 1650 Hackers Creek City Jane Lew State WV Zip 26378

Stimulating Company Baker Hughes
Address 837 Philippi Pike City Clarksburg State WV Zip 26301

Please insert additional pages as applicable.

Completed by Megan Griffith Telephone 303-357-7223
Signature  Title Permitting Agent Date 4/3/2019

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

API 47-085-10250 Farm Name Edwin D. Mulvay et al Well Number Niley Unit 1H					
EXHIBIT 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	4/13/2018	13984	14155	60	Marcellus
2	4/13/2018	13782	13868	60	Marcellus
3	4/14/2018	13580	13666	60	Marcellus
4	4/14/2018	13378	13464	60	Marcellus
5	4/15/2018	13176	13262	60	Marcellus
6	4/15/2018	12974	13060	60	Marcellus
7	4/16/2018	12772	12858	60	Marcellus
8	4/17/2018	12570	12656	60	Marcellus
9	4/17/2018	12368	12454	60	Marcellus
10	4/18/2018	12165	12252	60	Marcellus
11	4/18/2018	11963	12050	60	Marcellus
12	4/19/2018	11761	11847	60	Marcellus
13	4/19/2018	11559	11645	60	Marcellus
14	4/20/2018	11357	11443	60	Marcellus
15	4/20/2018	11155	11241	60	Marcellus
16	4/21/2018	10953	11039	60	Marcellus
17	4/22/2018	10751	10837	60	Marcellus
18	4/22/2018	10549	10635	60	Marcellus
19	4/23/2018	10347	10433	60	Marcellus
20	4/23/2018	10145	10231	60	Marcellus
21	4/24/2018	9942	10029	60	Marcellus
22	4/24/2018	9740	9827	60	Marcellus
23	4/25/2018	9538	9624	60	Marcellus
24	4/25/2018	9336	9422	60	Marcellus
25	4/26/2018	9134	9220	60	Marcellus
26	4/26/2018	8932	9018	60	Marcellus
27	4/26/2018	8730	8816	60	Marcellus
28	4/27/2018	8528	8614	60	Marcellus
29	4/28/2018	8326	8412	60	Marcellus
30	4/28/2018	8124	8210	60	Marcellus
31	4/28/2018	7922	8008	60	Marcellus
32	4/29/2018	7719	7806	60	Marcellus
33	4/29/2018	7517	7604	60	Marcellus
34	4/30/2018	7315	7401	60	Marcellus
35	4/30/2018	7113	7199	60	Marcellus
36	4/30/2018	6911	6997	60	Marcellus
37	5/1/2018	6709	6795	60	Marcellus

API 47-085-10250 Farm Name Edwin D. Mulvay et al Well Number Niley Unit 1H								
EXHIBIT 2								
Stage No.	Stimulations Date	Avg Pump Rate	Avg Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/ other (units)
1	4/13/2018	75.2	7851.8		3062	424570	8618	N/A
2	4/13/2018	76.5504	7650.418	6072	3340	421825	8284	N/A
3	4/14/2018	78.6	7702.2	6026	3716	411495	8948	N/A
4	4/14/2018	79.789	7624.597	5337	3228	418390	8082	N/A
5	4/15/2018	76.1	7750.2	5717	3364	415310	8272	N/A
6	4/15/2018	80.0038	7384.47	5593	3680	417870	8029	N/A
7	4/16/2018	80.2115	7218.211	5463	4065	419600	8246	N/A
8	4/17/2018	79.7972	7313.774	5481	3748	419130	8002	N/A
9	4/17/2018	80.2749	7396.882	5535	3479	418190	8054	N/A
10	4/18/2018	80.1703	7342.024	5574	3937	420320	8202	N/A
11	4/18/2018	80.208	7371.629	5615	3612	422790	8052	N/A
12	4/19/2018	79.7289	7841.557	5557	3316	421500	8011	N/A
13	4/19/2018	80.2717	7430.265	5783	3469	422900	7966	N/A
14	4/20/2018	79.7714	7331.55	5760	3864	422100	9966	N/A
15	4/20/2018	73.29	7727.727	6693	3388	422900	10222	N/A
16	4/21/2018	77.2068	7786.336	5878	4071	419000	10471	N/A
17	4/22/2018	81.2533	6922.258	5874	3367	420680	7928	N/A
18	4/22/2018	79.8092	6568.915	5379	3567	422300	8054	N/A
19	4/23/2018	78.5681	6755.754	6005	3275	421690	7904	N/A
20	4/23/2018	78.8484	6641.871	4956	3427	420900	8028	N/A
21	4/24/2018	78.7863	6894.398	6058	3484	414950	7931	N/A
22	4/24/2018	79.236	6976.439	5791	3636	420600	8263	N/A
23	4/25/2018	79.1489	6705.381	6137	3376	417900	8025	N/A
24	4/25/2018	79.3954	6675.712	5181	3425	417000	7980	N/A
25	4/26/2018	63.3531	7036.223	5564	4352	417030	11808	N/A
26	4/26/2018	77.1736	6708.107	5509	3271	422500	7988	N/A
27	4/26/2018	78.4608	6819.235	5621	3441	418670	8008	N/A
28	4/27/2018	78.7458	6434.204	5319	3342	418900	8037	N/A
29	4/28/2018	80	6504.5	5554	3421	420300	7901	N/A
30	4/28/2018	79.0678	6169.588	3691	3585	420500	7951	N/A
31	4/28/2018	79.3	6368.6	5629	3707	415120	7960	N/A
32	4/29/2018	78.9546	6355.172	6241	3443	419400	7907	N/A
33	4/29/2018	80.0944	6254.696	6107	3507	417850	7869	N/A
34	4/30/2018	79.8078	6147.385	6210	3342	416750	7906	N/A
35	4/30/2018	79.1892	6031.304	5965	3340	421230	7819	N/A
36	4/30/2018	79.7	6307.5	6524	3606	417830	7900	N/A
37	5/1/2018	78.9	6546.8	5689	3448	417740	7914	N/A
	AVG=	78.5	6,988	5,697	3,532	15,517,730	308,506	TOTAL

API 47-085-10250 Farm Name Edwin D. Mulvay et al Well Number Niley Unit 1H				
EXHIBIT 3				
LITHOLOGY/ FORMATION	TOP DEPTH (TVD) From Surface	BOTTOM DEPTH (TVD) From Surface	TOP DEPTH (MD) From Surface	BOTTOM DEPTH (MD) From Surface
Silty Sandstone	0	105	0	105
Sandy siltstone	105	145	105	145
Shale	145	185	145	185
Sandstone	185	305	185	305
Sandy Shale	305	545	305	545
Silty Shale	545	745	545	745
Sandy siltstone	745	885	745	885
silty shale	885	1,005	885	1,005
Sandy siltstone	1,005	1,115	1,005	1,115
Shaly Siltstone	1,115	1,345	1,115	1,345
Sandstone	1,345	1,525	1,345	1,525
Sandy siltstone	1,525	1,645	1,525	1,645
Silty Sandstone	1,645	1,865	1,645	1,882
Big Lime	1,880	2,059	1,897	2,081
Big Injun	2,059	2,429	2,081	2,457
Gantz Sand	2,429	2,680	2,457	2,712
Fifty Foot Sandstone	2,680	2,853	2,712	2,888
Gordon	2,853	3,005	2,888	3,045
Fifth Sandstone	3,005	3,280	3,045	3,326
Bayard	3,280	3,368	3,326	3,416
Warren	3,368	3,740	3,416	3,796
Speechley	3,740	4,489	3,796	4,561
Balltown	3,971	4,895	4,032	4,976
Bradford	4,489	4,895	4,561	4,976
Benson	4,895	5,125	4,976	5,209
Alexander	5,125	5,720	5,209	5,817
Rhinestreet	5,696	6,067	5,793	6,195
Sycamore	6,067	6,190	6,195	6,347
Middlesex	6,190	6,299	6,347	6,509
Burkett	6,299	6,332	6,509	6,576
Tully	6,332	6,362	6,576	6,664
Marcellus	6,362	NA	6,664	NA

*Please note Antero determines formation tops based on mud logs that are only run on one well on a multi-well pad. The measured depth (MD) data on subsequent wells may be slightly different due to the well's unique departure.

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/13/2018
Job End Date:	5/1/2018
State:	West Virginia
County:	Richie
API Number:	47-085-10250-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Niley 1H
Latitude:	39.32259400
Longitude:	-80.89915000
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,405
Total Base Water Volume (gal):	13,335,764
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Service Abstract Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Antero Resources	Carrier/Base Fluid	Water	7732-18-5	100.00000	87.50007	
Sand	J.S. Well Services, LLC	Proppant	Crystalline Silica, quartz	14808-60-7	100.00000	12.21529	
HCL Acid (12.6%-17.5%)	J.S. Well Services, LLC	Bulk Acid	Water	7732-18-5	87.40000	0.12611	
LGC-15	J.S. Well Services, LLC	Gelling Agents	Hydrogen Chloride	7647-01-0	17.50000	0.02932	
WFRA-405	J.S. Well Services, LLC	Friction Reducer	Guar Gum	9000-30-0	50.00000	0.01847	
			Petroleum Distillates	64742-47-8	60.00000	0.01749	
			Suspending agent (solid)	14808-60-7	3.00000	0.00283	
			Surfactant	68439-51-0	3.00000	0.00111	
			2-Propanoic acid, polymer with propenamide	29003-06-9	30.00000	0.01559	
			Hydrated light distillate (petroleum)	64742-47-8	30.00000	0.01255	

Bioclear 2000	U.S. Well Services, LLC	Anti-Bacterial Agent	2,2-dibromo-3-nitropropionamide	10222-01-2	20.00000	0.00415
			Deionized Water	7732-18-5	28.00000	0.00237
ECM FR 7010	ECM Supply	Friction Reducer	Water	7732-18-5	45.00000	0.00104
			Poly(acrylamide-co-sodium acrylate)	25085-02-3	30.00000	0.00069
			Petroleum Distillates, hydrotreated light	64742-47-8	25.00000	0.00047
			Ethoxylated sorbitol tetraoleate	61723-83-9	5.00000	0.00012
			Polyethylene Glycol Monooleate	9004-96-0	5.00000	0.00012
			Sodium chloride	7647-14-5	5.00000	0.00012
			Alkoxyate	9005-65-6	5.00000	0.00012
			Polyethylene Glycol	25322-68-3	5.00000	0.00012
SI-1200s	U.S. Well Services, LLC	Scale Inhibitor				
			Proprietary Scale Inhibitor	Proprietary	10.00000	0.00131
AP One	U.S. Well Services, LLC	Gel Breakers				
			Ammonium Persulfate	7727-54-0	100.00000	0.00047
AI-303	U.S. Well Services, LLC	Acid Corrosion Inhibitors	Ethylene glycol	107-21-1	40.00000	0.00004
			Cinnamaldehyde	104-55-2	20.00000	0.00002
			Formic acid	64-18-6	20.00000	0.00001
			Butyl cellosolve	111-76-2	20.00000	0.00001
			Polyether	60828-78-6	10.00000	0.00001
			Acetophenone,thiourea,formaldehyde polymer	68527-49-1	5.00000	0.00000

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.

* Total Water Volume sources may include fresh water, produced water, and/or recycled water
 ** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.
 Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Discharge Monitoring Report
Oil and Gas General Permit

Company Name: Antero Resources Corporation
 API No: 47-085-10250 County: Ritchie
 District: Clay Well No: Niley Unit 1H
 Farm Name: Edwin D. Mulvay et al
 Discharge Date/s From:(MMDDYY) 08/23/18 To: (MMDDYY) 09/22/18
 Discharge Times. From: 0:00 To: 24:00
 Total Volume to be Disposed from this facility (gallons): 761,060
 Disposal Option(s) Utilized (write volumes in gallons):

- (1) Land Application: _____ (Include a topographical map of the Area.)
 (2) UIC: 189,705 Permit No. 3400923821, 3416729543, 3416729464, 3416729445, 3410523619, 3416729731, 3400923761, 3405320968, 3410523268,
 (3) Offsite Disposal: 305 Site Location: Mud Masters
 (4) Reuse: 571,050 Alternate Permit Number: _____
 (5) Centralized Facility: _____ Permit No. _____
 (6) Other method: _____ (Include an explanation)

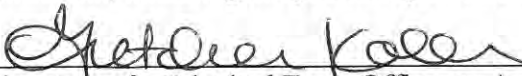
Follow Instructions below to determine your treatment category:

Optional Pretreatment test: N/A Cl- mg/l N/A DO mg/l

1. Do you have permission to use expedited treatment from the Director or his representative?
(Y/N) N/A If yes, who? _____ and place a four (4) on line 7.
If not go to line 2
2. Was Frac Fluid or flowback put into the pit? (Y/N) N/A If yes, go to line 5. If not, go to line 3.
3. Do you have a chloride value pretreatment (see above)? (Y/N) N/A If yes, go to line 4
If not, go to line 5.
4. Is the Chloride level less than 5000 mg/l? (Y/N) N/A If yes, then enter a one (1) on line 7.
5. Do you have a pretreatment value for DO? (See above) (Y/N) N/A If yes, go to line 6
If not, enter a three (3) in line 7.
6. Is the DO level greater than 2.5 mg/l?(Y/N) N/A If yes, enter a two (2) on line 7. If not, enter a three (3) on line 7.
7. N/A is the category of your pit. Use the Appropriate section.
8. Comments on Pit condition: N/A No pit on site.

Name of Principal Exec. Officer: Gretchen Kohler
 Title of Officer: Senior Environmental and Regulatory Manager
 Date Completed: 10/30/18

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



 Signature of a Principal Exec. Officer or Authorized agent.

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Category 1
Sampling Results
API No : _____

Parameter	Predischarge		Discharge		Units
	Limits	Reported	Limits	Reported	
pH	6-10	_____	6-10	_____	S.U
Settling Time	5	_____	N/A	N/A	Days
Fe	6	_____	6	_____	mg/l
D.O.	2.5	_____	2.5	_____	mg/l
Settleable Sol.	0.5	_____	0.5	_____	mg/l
Cl	5,000	_____	5,000	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC**		_____	Monitor	_____	mg/l
Oil and Grease		_____	Monitor	_____	mg/l
Total Al***		_____	Monitor	_____	mg/l
TSS		_____	Monitor	_____	mg/l
Total Mn	Monitor	_____	Monitor	_____	mg/l
Volume		_____	Monitor	_____	Gal
Flow		_____	Monitor	_____	Gal/min
Disposal Area		_____	Monitor	_____	Acres

*** Al is only reported if the pH is above 9.0

Category 2
Sampling Results
API No : _____

Parameter	Predischarge		Discharge		Units
	Limits	Reported	Limits	Reported	
pH	6-10	_____	6-10	_____	S.U
Settling Time	10	_____	N/A	N/A	Days
Fe	6	_____	6	_____	mg/l
D.O.	2.5	_____	2.5	_____	mg/l
Settleable Sol.	0.5	_____	0.5	_____	mg/l
Cl*	12,500	_____	12,500	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC**		_____	Monitor	_____	mg/l
Oil and Grease		_____	Monitor	_____	mg/l
Total Al***		_____	Monitor	_____	mg/l
TSS		_____	Monitor	_____	mg/l
Total Mn	Monitor	_____	Monitor	_____	mg/l
Volume		_____	Monitor	_____	Gal
Flow		_____	Monitor	_____	Gal/min
Disposal Area		_____	Monitor	_____	Acres

* Can be 25,000 with inspector's approval,

(Inspector's signature): _____

Date: _____

** Include a description of your aeration technique.

Aeration Code: _____

*** Al is only reported if the pH is above 9.0

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Category 3
Sampling Results
API No : _____

Parameter	Predischarge		Discharge		Units
	Limits	Reported	Limits	Reported	
pH	6-10	_____	6-10	_____	S.U
Settling Time	20	_____	N/A	N/A	Days
Fe	6	_____	6	_____	mg/l
D.O.	2.5	_____	2.5	_____	mg/l
Settleable Sol.	0.5	_____	0.5	_____	mg/l
Cl*	12,500	_____	12,500	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC**		_____	Monitor	_____	mg/l
Oil and Grease		_____	Monitor	_____	mg/l
Total Al***		_____	Monitor	_____	mg/l
TSS		_____	Monitor	_____	mg/l
Total Mn	Monitor	_____	Monitor	_____	mg/l
Volume		_____	Monitor	_____	Gal
Flow		_____	Monitor	_____	Gal/min
Disposal Area		_____	Monitor	_____	Acres

* Can be 25,000 with inspector's approval,

(Inspector's signature): _____ Date: _____
 ** Include a description of your aeration technique. Aeration Code: _____
 *** Al is only reported if the pH is above 9.0.

Category 4
Sampling Results
API No: _____

Parameter	Predischarge		Discharge		Units
	Limits	Reported	Limits	Reported	
pH	6-10	_____	6-10	_____	S.U
Settling Time	1	_____	N/A	N/A	Days
Fe	Monitor	_____	Monitor	_____	mg/l
D.O.	Monitor	_____	Monitor	_____	mg/l
Settleable Sol.	Monitor	_____	Monitor	_____	mg/l
Cl*	12,500	_____	12,500	_____	mg/l
Oil	Trace	_____	Trace	_____	Obs.
TOC**		_____	Monitor	_____	mg/l
Oil and Grease		_____	Monitor	_____	mg/l
TSS		_____	Monitor	_____	mg/l
Total Mn	Monitor	_____	Monitor	_____	mg/l
Volume		_____	Monitor	_____	Gal
Flow		_____	Monitor	_____	Gal/min
Activated Carbon (0.175)		_____	N/A	N/A	lb/Bf
Date Site Reclaimed	N/A	N/A			10 days from dis.
Disposal Area		_____	Monitor	_____	Acres

* Can be 25,000 with inspector's approval,

(Inspector's signature): _____ Date: _____