

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 horizontal line.

Megan Griffith
Permitting Agent
Antero Resources Corporation

Enclosures

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

API 47 - 085 - 10203 County Ritchie District Clay
 Quad Pennsboro 7.5' Pad Name Mulvay Pad Field/Pool Name -----
 Farm name Edwin D. Mulvay et al Well Number Stronsnider Unit 3H
 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 4352587m Easting 508708m
 Landing Point of Curve Northing 4352704.58m Easting 508757.32m
 Bottom Hole Northing 4355294m Easting 507914m

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 3/27/2015 Date drilling commenced 12/24/2016 Date drilling ceased 6/15/2017
 Date completion activities began 1/22/2018 Date completion activities ceased 8/23/2018
 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 - 10203 Farm name Edwin D. Mulvay et al Well number Stronsnider Unit 3H

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"	95'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	554'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2565'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	15980'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6677'		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	202 sx	15.6	1.18	120	0'	8 Hrs.
Surface	Class A	515 sx	15.6	1.18	826	0'	8 Hrs.
Coal							
Intermediate 1	Class A	880 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) 15980' MD, 6400' TVD (BHL), 6411' (Deepest Point Drilled) Loggers TD (ft) 15980' 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

WR-35
Rev. 8/23/13

API 47- 085 - 10203 Farm name Edwin D. Mulvay et al Well number Stronsnider Unit 3H

PRODUCING FORMATION(S)	DEPTHS	
Marcellus	6364' (TOP) TVD	6694' (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 7058 mcfpd Oil 48 bpd NGL --- bpd Water 13 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 Wireline Services
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 47-085-10203 Farm Name Edwin D. Mulvay et al Well Number Stronsnider Unit 3H					
EXHIBIT 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	3/14/2018	15706	15878	60	Marcellus
2	3/14/2018	15507	15675	60	Marcellus
3	3/15/2018	15308	15476	60	Marcellus
4	3/15/2018	15108	15276	60	Marcellus
5	3/16/2018	14909	15077	60	Marcellus
6	3/17/2018	14710	14878	60	Marcellus
7	3/17/2018	14510	14679	60	Marcellus
8	3/18/2018	14311	14479	60	Marcellus
9	3/18/2018	14112	14280	60	Marcellus
10	3/19/2018	13913	14081	60	Marcellus
11	3/20/2018	13713	13881	60	Marcellus
12	3/20/2018	13514	13682	60	Marcellus
13	3/21/2018	13315	13483	60	Marcellus
14	3/21/2018	13115	13284	60	Marcellus
15	3/22/2018	12916	13084	60	Marcellus
16	3/22/2018	12717	12885	60	Marcellus
17	3/23/2018	12518	12686	60	Marcellus
18	3/23/2018	12318	12486	60	Marcellus
19	3/24/2018	12119	12287	60	Marcellus
20	3/24/2018	11920	12088	60	Marcellus
21	3/25/2018	11720	11889	60	Marcellus
22	3/25/2018	11521	11689	60	Marcellus
23	3/26/2018	11322	11490	60	Marcellus
24	3/26/2018	11123	11291	60	Marcellus
25	3/27/2018	10923	11091	60	Marcellus
26	3/27/2018	10724	10892	60	Marcellus
27	3/28/2018	10525	10693	60	Marcellus
28	3/28/2018	10325	10493	60	Marcellus
29	3/29/2018	10126	10294	60	Marcellus
30	3/29/2018	9927	10095	60	Marcellus
31	3/30/2018	9728	9896	60	Marcellus
32	3/30/2018	9528	9696	60	Marcellus
33	3/31/2018	9329	9497	60	Marcellus
34	3/31/2018	9130	9298	60	Marcellus
35	4/1/2018	8930	9098	60	Marcellus
36	4/1/2018	8731	8899	60	Marcellus
37	4/3/2018	8532	8700	60	Marcellus
38	4/3/2018	8332	8501	60	Marcellus
39	4/4/2018	8133	8301	60	Marcellus
40	4/4/2018	7934	8102	60	Marcellus
41	4/5/2018	7735	7903	60	Marcellus
42	4/6/2018	7535	7703	60	Marcellus
43	4/7/2018	7336	7504	60	Marcellus
44	4/7/2018	7137	7305	60	Marcellus
45	4/8/2018	6937	7106	60	Marcellus
46	4/8/2018	6738	6906	60	Marcellus

API 47-085-10203 Farm Name Edwin D. Mulvay et al Well Number Stronsider Unit 3H

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	3/14/2018	71.84	7752.106	5086	3761	409000	10847	N/A
2	3/14/2018	73.3	7693.7	6162	4098	408915	8510	N/A
3	3/15/2018	72.2	7661.4	6201	3511	404610	8417	N/A
4	3/15/2018	72.2	7690.1	6003	4045	403245	8433	N/A
5	3/16/2018	72.1951	7775.898	6061	3268	404500	8788	N/A
6	3/17/2018	72.9053	7696.544	5924	4154	404405	9632	N/A
7	3/17/2018	72.5408	7634.95	5634	3893	405100	8318	N/A
8	3/18/2018	72.4	7589.2	6219	3402	406570	8386	N/A
9	3/18/2018	72.6	7466.6	6096	3166	402520	8259	N/A
10	3/19/2018	75.0464	7464.576	6158	3054	402900	8309	N/A
11	3/20/2018	73.9525	7352.023	6131	3009	404200	8319	N/A
12	3/20/2018	76.0405	7423.648	6626	3667	399380	8227	N/A
13	3/21/2018	72.6	7525.3	6369	3291	403300	8240	N/A
14	3/21/2018	79.0178	7476.708	6226	3386	405590	8263	N/A
15	3/22/2018	77.1706	7441.039	6045	3114	402400	8043	N/A
16	3/22/2018	77.5	7367.1	6069	3212	402690	8010	N/A
17	3/23/2018	78.8131	7450.538	5772	3826	403650	8160	N/A
18	3/23/2018	73.3	7263.1	6191	3288	400060	8025	N/A
19	3/24/2018	77.2306	7438.026	6074	2816	405600	8025	N/A
20	3/24/2018	77.1582	7505.189	5929	3188	405075	8382	N/A
21	3/25/2018	74.9851	7071.368	6318	3373	405060	8019	N/A
22	3/25/2018	75.8	7093.8	5921	3417	402150	7964	N/A
23	3/26/2018	73.3	7287.8	5897	3761	406865	9514	N/A
24	3/26/2018	72.754	7117.919	5900	3784	403360	8794	N/A
25	3/27/2018	76.1922	7313.334	6020	3016	405000	8052	N/A
26	3/27/2018	79.0021	7225.968	5994	3195	402800	8635	N/A
27	3/28/2018	66.2	7496	6037	4198	403100	12730	N/A
28	3/28/2018	76.4893	7113.097	5770	3056	402300	7990	N/A
29	3/29/2018	75.3468	7301.219	6519	2836	405100	8449	N/A
30	3/29/2018	76.8147	7021.685	6149	3169	403500	7978	N/A
31	3/30/2018	77.9785	6872.113	6071	3031	403650	7877	N/A
32	3/30/2018	78.6975	7470.714	6403	4627	388100	7769	N/A
33	3/31/2018	70.9042	7174.865	5798	3275	405600	8185	N/A
34	3/31/2018	73.2314	7072.189	6105	2926	405200	8438	N/A
35	4/1/2018	76.1397	6670.028	6181	2862	406950	9140	N/A
36	4/1/2018	80.0667	6382.256	5982	2988	405100	8135	N/A
37	4/3/2018	78.4	6527.3	5316	3344	402400	8584	N/A
38	4/3/2018	78.4686	6497.606	6274	3424	405500	7897	N/A
39	4/4/2018	77.4	6570.4	5991	3417	395800	7834	N/A
40	4/4/2018	72.8919	7209.092	5986	4235	403500	9614	N/A
41	4/5/2018	75.5302	6340.736	6290	3081	404400	7841	N/A
42	4/6/2018	78.5493	6508.909	5757	3315	406900	7906	N/A
43	4/7/2018	77.7034	6524.637	6082	3083	405150	7949	N/A
44	4/7/2018	68.0476	7040.286	5918	3412	406400	9459	N/A
45	4/8/2018	78.8069	6673.499	5416	3511	404600	8069	N/A
46	4/8/2018	78.3789	6075.602	6074	3249	406500	7855	N/A
	AVG=	75.2	7,181	6,025	3,407	18,578,695	390,270	TOTAL

API 47-085-10203 Farm Name Edwin D. Mulvay et al Well Number Stronsnider Unit 3H				
EXHIBIT 3				
LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Silty Sandstone	0	105	-15	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	1,865
Big Lime	1,880	2,066	1,880	2,066
Big Injun	2,066	2,425	2,066	2,425
Gantz Sand	2,425	2,678	2,425	2,679
Fifty Foot Sandstone	2,678	2,854	2,679	2,855
Gordon	2,854	3,006	2,855	3,007
Fifth Sandstone	3,006	3,280	3,007	3,281
Bayard	3,280	3,369	3,281	3,370
Warren	3,369	3,741	3,370	3,743
Speechley	3,741	4,504	3,743	4,527
Balltown	3,975	4,901	3,980	4,942
Bradford	4,504	4,901	4,527	4,942
Benson	4,901	5,118	4,942	5,170
Alexander	5,118	5,727	5,170	5,801
Rhinestreet	5,703	6,069	5,777	6,174
Sycamore	6,069	6,191	6,174	6,337
Middlesex	6,191	6,298	6,337	6,517
Burkett	6,298	6,333	6,517	6,597
Tully	6,333	6,364	6,597	6,694
Marcellus	6,364	NA	6,694	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:	3/14/2018
Job End Date:	4/8/2018
State:	West Virginia
County:	Ritchie
API Number:	47-085-10203-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Stronsider 3H
Latitude:	39.32256700
Longitude:	-80.89914200
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,411
Total Base Water Volume (gal):	17,001,434
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service 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	88.19490	
Sand	J.S. Well Services, LLC	Proppant	Crystalline Silica, quartz	14808-60-7	100.00000	11.55593	
HCL Acid (12.6%-17.5%)	J.S. Well Services, LLC	Bulk Acid	Water	7732-18-5	87.40000	0.12003	
LGC-15	J.S. Well Services, LLC	Gelling Agents	Hydrogen Chloride	7647-01-0	17.50000	0.02791	
			Guar Gum	9000-30-0	50.00000	0.02475	
			Petroleum Distillates	64742-47-8	60.00000	0.02344	
			Suspending agent (solid)	14808-60-7	3.00000	0.00379	
			Surfactant	68439-51-0	3.00000	0.00149	
WFRA-405	J.S. Well Services, LLC	Friction Reducer	2-Propenoic acid, polymer with 2-propanamide	29003-06-9	30.00000	0.01708	
			Hydrated light distillate (petroleum)	64742-47-8	30.00000	0.01375	

SI-1200	U.S. Well Services, LLC	Scale Inhibitor	Ethylene Glycol	107-21-1	40.00000	0.00708	
			Proprietary Scale Inhibitor	Proprietary	10.00000	0.00190	
Bioclear 2000	U.S. Well Services, LLC	Anti-Bacterial Agent	2,2-dibromo-3-nitropropionamide	10222-01-2	20.00000	0.00457	
			Deionized Water	7732-18-5	28.00000	0.00261	
AP One	U.S. Well Services, LLC	Gel Breakers	Ammonium Persulfate	7727-54-0	100.00000	0.00070	
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	0.00001	
			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)

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: 47-085-10203 County: Ritchie
 District: Clay Well No: Stronsnider Unit 3H
 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)

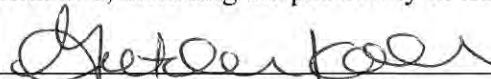
Follow Instructions below to determine your treatment category:

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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Page 2 of 3

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/Bl
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: _____