

04/05/2019



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

April 4, 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:

- Parachute Unit 1H (API # 47-095-02429)—Stonefly Pad
- Parachute Unit 2H (API # 47-095-02429)—Stonefly Pad
- Parachute Unit 3H (API # 47-095-02433)—Stonefly Pad
- Copper John Unit 1H (API # 47-095-02404)—Stonefly Pad
- Copper John Unit 2H (API # 47-095-02405)—Stonefly Pad
- Copper John Unit 3H (API # 47-095-02406)—Stonefly Pad
- Pheasant Unit 1H (API # 47-095-02434)—Stonefly Pad
- Pheasant Unit 2H (API # 47-095-02435)—Stonefly Pad
- Pheasant Unit 3H (API # 47-095-02437)—Stonefly Pad
- Tauscher Unit 1H (API # 47-095-02357)—Stonefly Pad
- Tauscher Unit 2H (API # 47-095-02407)—Stonefly Pad
- Tauscher Unit 3H (API # 47-095-02456)—Stonefly 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", 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 - 095 - 02433 County Tyler District Centerville
 Quad Middlebourne 7.5' Pad Name Stonefly Pad Field/Pool Name -----
 Farm name Steven McPeek et al Well Number Parachute 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 4363170m Easting 506664m
 Landing Point of Curve Northing 4363156.52m Easting 506419.34m
 Bottom Hole Northing 4366673m Easting 505163m

Elevation (ft) 982' 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 3/15/2017 Date drilling commenced 8/29/2017 Date drilling ceased 2/20/2018
 Date completion activities began 6/5/2018 Date completion activities ceased 12/19/2018
 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 52', 400', 457' Open mine(s) (Y/N) depths No
 Salt water depth(s) ft 1425', 1431' Void(s) encountered (Y/N) depths No
 Coal depth(s) ft 52', 457' 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 47-095 - 02433 Farm name Steven McPeek et al Well number Parachute 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"	577'	New	54#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2617'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	19107'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6569'		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	204 sx	15.6	1.18	244	0'	8 Hrs.
Surface	Class A	479 sx	15.6	1.19	402	0'	8 Hrs.
Coal							
Intermediate 1	Class A	900 sx	15.6	1.18	1047	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	633sx (Lead) 1977 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.53 (Lead), 1.83 (Tail)	2819	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 19107' MD, 6261' TVD (BHL), 6377' (Deepest Point Drilled) Loggers TD (ft) 19107' MD

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

Plug back procedure N/A

Kick off depth (ft) 6100'

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- 095 - 02433 Farm name Steven McPeek et al Well number Parachute Unit 3H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus</u>	<u>6322' (TOP) TVD</u>	<u>6761' (TOP) MD</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

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 5996 mcfpd Oil 170 bpd NGL --- bpd Water 15 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.

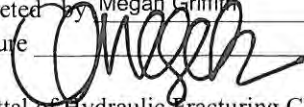
Drilling Contractor Frontier Drilling LLC
Address 562 Spring Run Road City Pennsboro State WV Zip 26415

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

Cementing Company BJ Services
Address 1036 East Main Street City Bridgeport State WV Zip 26330

Stimulating Company Halliburton
Address 121 Champion Way, Suite 200 City Canonsburg State PA Zip 15317

Please insert additional pages as applicable.

Completed by Megan Griffith Telephone 303-357-7223
Signature  Title Permitting Agent Date 4/14/2019

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

API 47-095-02433 Farm Name Steven McPeek et al Well Number Parachute Unit 3H					
EXHIBIT 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	8/9/2018	18831.6	19002.3	60	Marcellus
2	8/9/2018	18633	18800.5	60	Marcellus
3	8/10/2018	18434.4	18601.9	60	Marcellus
4	8/10/2018	18235.8	18403.3	60	Marcellus
5	8/11/2018	18037.2	18204.7	60	Marcellus
6	8/11/2018	17838.6	18006.1	60	Marcellus
7	8/12/2018	17640	17807.5	60	Marcellus
8	8/12/2018	17441.4	17608.9	60	Marcellus
9	8/13/2018	17242.8	17410.3	60	Marcellus
10	8/13/2018	17044.2	17211.7	60	Marcellus
11	8/14/2018	16845.6	17013.1	60	Marcellus
12	8/15/2018	16647	16814.5	60	Marcellus
13	8/15/2018	16448.4	16615.9	60	Marcellus
14	8/17/2018	16249.8	16417.3	60	Marcellus
15	8/17/2018	16051.2	16218.7	60	Marcellus
16	8/17/2018	15852.6	16020.1	60	Marcellus
17	8/18/2018	15654	15821.5	60	Marcellus
18	8/19/2018	15393.5	15561	60	Marcellus
19	8/19/2018	15194.9	15362.4	60	Marcellus
20	8/21/2018	14996.3	15163.8	60	Marcellus
21	8/20/2018	14797.7	14965.2	60	Marcellus
22	8/21/2018	14599.1	14766.6	60	Marcellus
23	8/21/2018	14400.5	14568	60	Marcellus
24	8/21/2018	14201.9	14369.4	60	Marcellus
25	8/22/2018	14003.3	14170.8	60	Marcellus
26	8/23/2018	13804.7	13972.2	60	Marcellus
27	8/23/2018	13606.1	13773.6	60	Marcellus
28	8/24/2018	13407.5	13575	60	Marcellus
29	8/24/2018	13208.9	13376.4	60	Marcellus
30	8/25/2018	13010.3	13177.8	60	Marcellus
31	8/25/2018	12811.7	12979.2	60	Marcellus
32	8/26/2018	12613.1	12780.6	60	Marcellus
33	8/26/2018	12414.5	12582	60	Marcellus
34	8/27/2018	12215.9	12383.4	60	Marcellus
35	8/27/2018	12017.3	12184.8	60	Marcellus
36	8/28/2018	11818.7	11986.2	60	Marcellus
37	8/29/2018	11620.1	11787.6	60	Marcellus
38	8/29/2018	11421.5	11589	60	Marcellus
39	8/29/2018	11222.9	11390.4	60	Marcellus
40	8/31/2018	11024.3	11191.8	60	Marcellus
41	8/31/2018	10825.7	10993.2	60	Marcellus
42	8/31/2018	10627.1	10794.6	60	Marcellus
43	9/1/2018	10428.5	10596	60	Marcellus
44	9/1/2018	10229.9	10397.4	60	Marcellus
45	9/2/2018	10031.3	10198.8	60	Marcellus
46	9/2/2018	9832.7	10000.2	60	Marcellus
47	9/3/2018	9634.1	9801.6	60	Marcellus
48	9/3/2018	9435.5	9603	60	Marcellus
49	9/3/2018	9236.9	9404.4	60	Marcellus
50	9/4/2018	9038.3	9205.8	60	Marcellus
51	9/4/2018	8839.7	9007.2	60	Marcellus
52	9/5/2018	8641.1	8808.6	60	Marcellus
53	9/5/2018	8442.5	8610	60	Marcellus
54	9/6/2018	8243.9	8411.4	60	Marcellus
55	9/7/2018	8045.3	8212.8	60	Marcellus
56	9/7/2018	7875	7992	60	Marcellus
57	9/7/2018	7677.1	7842.82	60	Marcellus
58	9/8/2018	7479.2	7644.92	60	Marcellus
59	9/9/2018	7281.3	7447.02	60	Marcellus
60	9/9/2018	7083.4	7249.12	60	Marcellus
61	9/9/2018	6885.5	7051.22	60	Marcellus
62	9/10/2018	6687.6	6853.32	60	Marcellus

API 47-095-02433 Farm Name Steven McPeek et al Well Number Parachute 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	8/9/2018	75.9	7701	5827	3916	312750	8665	N/A
2	8/9/2018	71.1	7353.7	5814	3403	401800	8399	N/A
3	8/10/2018	71.7	7123.8	5794	3082	402400	8398	N/A
4	8/10/2018	72.575	7340.75	5891	3646	401300	8302	N/A
5	8/11/2018	70.165	7131.95	5792	3045	400500	8706	N/A
6	8/11/2018	72.3	7213.167	5173	3526	401100	8243	N/A
7	8/12/2018	74.03	7160.9	6349	3790	401200	8512	N/A
8	8/12/2018	78.10833	7674.833	7045	3447	400500	8153	N/A
9	8/13/2018	74.91	7176.36	5833	3494	400650	8414	N/A
10	8/13/2018	74.4	7316.333	6167	3303	400900	8197	N/A
11	8/14/2018	69.83333	7093.833	5775	3255	377200	8133	N/A
12	8/15/2018	74.448	7193.38	5643	3104	401300	8106	N/A
13	8/15/2018	73.4	7383	6390	6125	401400	9014.005	N/A
14	8/17/2018	79.4	7646	5953	3289	400900	8095.005	N/A
15	8/17/2018	78.58	7462.08	6228	3535	400850	8214	N/A
16	8/17/2018	75.5	7367	6595	3562	400450	8096.005	N/A
17	8/18/2018	45.4	7934	6486	5847	10800	7272.61	N/A
18	8/19/2018	73.89	7296.37	6102	3443	400500	8668	N/A
19	8/19/2018	75.3	7187	6150	3251	400200	8108.01	N/A
20	8/21/2018	76.3029	7294.91	5691	4507	400300	8259	N/A
21	8/20/2018	77.4	7248	6614	3664	400350	8455	N/A
22	8/21/2018	78.0226	7324.74	6162	3993	400950	8045	N/A
23	8/21/2018	78.2189	7377.45	5477	3751	401100	7969	N/A
24	8/21/2018	75.7	7270	6095	3938	400700	8076.01	N/A
25	8/22/2018	78	7280	6492	3373	398950	7846	N/A
26	8/23/2018	79.8	7643	6105	3306	400900	8107.01	N/A
27	8/23/2018	75.8	7317	7230	3400	399561	8251.005	N/A
28	8/24/2018	76.36667	7319.25	6648	3565	401200	7652	N/A
29	8/24/2018	77.45	7340.083	6191	3445	400550	7966.005	N/A
30	8/25/2018	77.90833	7303.583	6525	3815	400250	7888	N/A
31	8/25/2018	75.2	7094.333	6267	3573	400550	8138.005	N/A
32	8/26/2018	78.25	7175.5	5781	3403	400800	7844	N/A
33	8/26/2018	77.96667	7182.167	6258	3679	400450	8021.005	N/A
34	8/27/2018	77.81667	6918.167	5739	3555	400900	7807.005	N/A
35	8/27/2018	77.58333	6997.917	5716	4296	416700	8301	N/A
36	8/28/2018	78.16667	7068.167	6397	3582	430900	8532	N/A
37	8/29/2018	73.875	6878.75	6634	3684	430650	8801.005	N/A
38	8/29/2018	79.34167	7153.917	6395	3403	433000	8684	N/A
39	8/29/2018	55.1	7403	6577	4529	5500	1439	N/A
40	8/31/2018	74.825	6597.833	5740	3707	430650	8551	N/A
41	8/31/2018	78.8	7096.667	6491	3533	429200	8710	N/A
42	8/31/2018	76.675	6641.917	6066	3762	449950	8917	N/A
43	9/1/2018	78.4	6811.25	5396	3558	451000	8897	N/A
44	9/1/2018	76.50833	6732.833	6431	3546	449951	8787	N/A
45	9/2/2018	69.1	7762.688	6160	4357	451000	12334	N/A
46	9/2/2018	78.575	7143.167	6640	3885	451100	8863	N/A
47	9/3/2018	73.88333	6713.333	6311	3701	451350	8693	N/A
48	9/3/2018	79.21667	6896.333	6202	3635	452600	8788	N/A
49	9/3/2018	77.06667	6759.583	6424	3655	451750	8714	N/A
50	9/4/2018	80.025	6755	5902	3790	449350	8802	N/A
51	9/4/2018	79.16667	6773.417	5580	3548	450950	9133	N/A
52	9/5/2018	78.925	6529.333	6290	3565	450400	8780.905	N/A
53	9/5/2018	78.30833	6630.417	6297	3499	401900	7710	N/A
54	9/6/2018	79.81667	6710.083	5460	3627	400900	7969	N/A
55	9/7/2018	52.0225	8239.794	6734	6730	11000	6776.34	N/A
56	9/7/2018	76.47546	6718.457	6739	3736	402150	7907.45	N/A
57	9/7/2018	59.01398	8061.12	6391	6083	43500	7841.64	N/A
58	9/8/2018	69.23742	6818.532	6468	3904	400250	7708	N/A
59	9/9/2018	71.68762	6413.049	6582	4770	399900	7746	N/A
60	9/9/2018	68.57743	6208.223	6930	5046	401500	7852.68	N/A
61	9/9/2018	73.26544	6382.654	6229	5048	399350	8064	N/A
62	9/10/2018	69.58496	6071.06	6361	4058	400100	7978.7	N/A
	AVG=	75.0	7,288	6,143	3,684	14,835,461	312,338	TOTAL

API 47-095-02433 Farm Name Steven McPeek et al Well Number Parachute Unit 3H				
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	-15	205	-15	205
Sandy siltstone	205	310	205	310
Sandstone	310	605	310	605
Silty Sandstone	605	785	605	785
limey siltstone	785	960	785	960
silty sandstone, tr. coal	960	1,110	960	1,110
silty sandstone	1,110	1,505	1,110	1,505
silty shale	1,505	1,635	1,505	1,635
sandstone, tr coal	1,635	1,645	1,635	1,645
silty sandstone	1,645	1,685	1,645	1,685
sandstone	1,685	1,760	1,685	1,760
sandy shale	1,760	1,785	1,760	1,785
shaly sand	1,785	1,868	1,785	1,879
Big Lime	1,883	2,028	1,894	2,042
Big Injun	2,028	2,479	2,042	2,502
Gantz Sand	2,479	2,619	2,502	2,643
Fifty Foot Sandstone	2,619	2,716	2,643	2,742
Gordon	2,716	3,059	2,742	3,090
Fifth Sandstone	3,059	3,116	3,090	3,147
Bayard	3,116	3,490	3,147	3,526
Warren	3,490	3,879	3,526	3,920
Speechley	3,879	4,572	3,920	4,623
Balltown	4,179	4,968	4,224	5,024
Bradford	4,572	4,968	4,623	5,024
Benson	4,968	5,209	5,024	5,269
Alexander	5,209	5,766	5,269	5,834
Rhinstreet	5,742	6,034	5,810	6,133
Sycamore	6,034	6,192	6,133	6,350
Middlesex	6,192	6,281	6,350	6,518
Burkett	6,281	6,308	6,518	6,583
Tully	6,308	6,329	6,583	6,644
Marcellus	6,329	NA	6,644	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:	8/9/2018
Job End Date:	9/10/2018
State:	West Virginia
County:	Tyler
API Number:	47-095-02433-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Parachute Unit 3H
Latitude:	39.41795000
Longitude:	-80.92275800
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,261
Total Base Water Volume (gal):	21,390,638
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	Supplied by Operator	Base Fluid					
			Water	7732-18-5	70.00000	87.83611	
DAP-103	CWS	Iron Control					
				Listed Below			

				Listed Below			
Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients.							
				Crystalline silica (Quartz)	14808-60-7	100.00000	11.76546
				Hydrochloric acid	7647-01-0	37.00000	0.07878
				Calcite	471-34-1	1.00000	0.07653
				Guar gum	9000-30-0	60.00000	0.04165
				Distillates (petroleum), hydrotreated middle	64742-46-7	60.00000	0.04165
				Illite	12173-60-3	1.00000	0.04109
				Polymer	26100-47-0	45.00000	0.02564
				Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.01709
				Apatite	64476-38-6	0.10000	0.01176
				Biotite	1302-27-8	0.10000	0.01176
				Goethite	1310-14-1	0.10000	0.01176
				Polyethylene glycol mixture	25322-68-3	54.50000	0.00639
				2-Propenoic acid, homopolymer, sodium salt	9003-04-7	40.00000	0.00628
				Ammonium chloride	12125-02-9	11.00000	0.00627
				Illmenite	98072-94-7	0.10000	0.00411
				Quaternary ammonium compounds, bis (hydrogenated tallow alkyl)dimethyl, salts with bentonite	68953-58-2	5.00000	0.00347
				2,2-Dibromo-3-Nitrilopropionamide	10222-01-2	20.00000	0.00235
				Sorbitan monooleate	1338-43-8	4.00000	0.00228
				Polyethylene glycol monooleate	9004-96-0	3.00000	0.00171
				1,2-Propanediol	57-55-6	10.00000	0.00157
				Ammonium Persulfate	64742-47-8	100.00000	0.00129
				Sorbitol tetraoleate	61723-83-9	2.00000	0.00114

					37251-67-5	1.50000	0.00104	
					77-92-9	60.00000	0.00071	
					61791-26-2	1.00000	0.00057	
					7647-15-6	4.00000	0.00047	
					3252-43-5	3.00000	0.00035	
					84133-50-6	0.50000	0.00028	
					69418-26-4	20.00000	0.00026	
					79-06-1	0.10000	0.00006	
					107-21-1	40.00000	0.00004	
					34590-94-8	20.00000	0.00002	
					72480-70-7	10.00000	0.00001	
					64-18-6	10.00000	0.00001	
					Proprietary	10.00000	0.00001	Proprietary CAS
					104-55-2	10.00000	0.00001	
					111-46-6	1.00000	0.00001	
					68513-87-1	1.00000	0.00001	
					67-63-0	5.00000	0.00001	

* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

*** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

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(f) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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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/B1
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: _____