KPDES FORM C

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION

A complete application consists of this form and Form 1.
For additional information, contact KPDES Branch, (502) 564-3410.

Name of Facility: **Middle Fork Surface Mine**	County: **Martin**							
I. OUTFALL LOCATION	AGENCY USE							

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

Outfall No. (list)	LATITUDE			LONGITUDE			RECEIVING WATER (name)
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
Pond 1	37	46	45	82	38	58	Little Beech Fork
Pond 2	37	46	48	82	38	45	Little Beech Fork
Pond 3	37	46	45	82	38	34	Little Beech Fork
Pond 4	37	46	52	82	38	18	Little Beech Fork
Pond 5	37	46	47	82	38	12	Little Beech Fork
Dugout 6	37	46	46	82	38	05	Little Beech Fork
Pond 7	37	46	47	82	37	51	Little Beech Fork
Dugout 9	37	46	41	82	37	40	Little Beech Fork
Pond 10	37	46	36	82	37	27	Little Beech Fork
Pond 11	37	46	33	82	37	14	Little Beech Fork
Dugout 12	37	46	34	82	37	07	Little Beech Fork
Dugout 39	37	46	38	82	36	59	Little Beech Fork
Dugout 46	37	46	40	82	36	55	Little Beech Fork
Dugout 70	37	47	52	82	36	35	In Series with Existing Pond 14
Dugout 74	37	47	53	82	36	46	In Series with Existing Pond 14

Pond 14	37	47	10	82	36	36	Upper Twin Branch
Dugout 60	37	47	19	82	36	38	Upper Twin Branch
Dugout 61	37	47	24	82	36	40	Upper Twin Branch
Pond 15	37	47	13	82	47	29	Lower Twin Branch
Dugout 37	37	47	08	82	36	24	Middle Fork
Dugout 76	37	47	18	82	36	11	Middle Fork
Dugout 69	37	47	54	82	36	29	Setser Branch
Dugout 73	37	48	16	82	36	25	In Series with Existing Pond 35A
Pond 35A	37	48	12	82	36	10	Bent Branch
Dugout 58	37	48	12	82	36	16	Bent Branch
Pond 35	37	48	27	82	36	03	Bent Branch
Pond 28	37	48	28	82	37	13	Rockhouse Fork
Pond 18	37	48	06	82	36	36	Rockhouse Fork
Pond 27	37	47	23	82	37	28	Rockhouse Fork
Dugout 45	37	42	08	82	34	52	Rockhouse Fork
Dugout 47	37	48	18	82	38	22	Rockhouse Fork
Dugout 48	37	48	25	82	38	07	Rockhouse Fork
Dugout 50	37	48	27	82	37	20	Rockhouse Fork
Dugout 57	37	48	32	82	36	09	Rockhouse Fork
Dugout 59	37	48	24	82	35	57	Rockhouse Fork
Dugout 65	37	48	28	82	37	34	Rockhouse Fork
Dugout 66	37	48	25	82	37	09	Rockhouse Fork
Dugout 68	37	48	34	82	36	25	Rockhouse Fork
Dugout 51	37	48	29	82	36	47	Big Rough Branch
Dugout 56	37	48	20	82	36	39	Big Rough Branch
Dugout 72	37	48	19	82	36	28	In Series with Existing Pond 56
Pond 32A	37	47	18	82	36	51	Big Rough Branch
Dugout 53	37	48	13	82	36	51	Big Rough Branch
Dugout 67	37	48	12	82	36	47	Big Rough Branch
Pond 32E	37	47	56	82	37	04	Big Rough Branch

Dugout 71	37	48	06	82	36	33	In Series with Existing Pond 32E
Pond 32B	37	48	07	82	36	55	Big Rough Branch
Dugout 52	37	48	03	82	37	01	Big Rough Branch
Dugout 55	37	47	57	82	36	59	Big Rough Branch
Dugout 75	37	47	56	82	36	52	In Series with Existing Pond 55
Pond 32D	37	48	06	82	36	45	Big Rough Branch
Dugout 54	37	47	54	82	37	07	Big Rough Branch
Pond 32C	37	47	50	82	37	17	Big Rough Branch
Dugout 48	37	48	23	82	47	13	Porter Camp Branch
Dugout 64	37	48	20	82	37	46	Porter Camp Branch
Pond 24A	37	48	07	82	38	12	In Series with Dugout 48
Dugout 49	37	48	14	82	37	56	In Series with Dugout 48
Pond 24	37	48	25	82	37	53	In Series with Dugout 48
Pond 25A	37	48	18	82	37	47	In- Series with Pond 25
Pond 25B	37	47	60	82	37	42	In- Series with Pond 25
Pond 25	37	48	18	82	37	47	Porter Camp Branch
Dugout 43	37	42	37	82	35	04	In Series with Pond 16
Pond 16A	37	47	27	82	38	30	In Series with Pond 16
Pond 16	37	47	52	82	38	47	Lick Fork
Dugout 62	37	47	32	82	36	46	Lick Fork

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfall. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

OUTFALL NO.	OPERATION(S) CONTRIBUTING FLOW		TREATMENT	
(list)	Operation (list)	Avg/Design Flow 10 Year	Description	List Codes from Table C-1
Pond 1	Surface runoff	302.43 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 2	Surface runoff	244.12 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 3	Surface runoff	75.87 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 4	Surface runoff	102.47 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 5	Surface runoff	88.25 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 6	Surface runoff	13.99 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 7	Surface runoff	99.54 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 9	Surface runoff	8.04 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 10	Surface runoff	96.38 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 11	Surface runoff	73.31 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 12	Surface runoff	15.96 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 39	Surface runoff	14.32 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 46	Surface runoff	5.76 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 14	Surface runoff	154.47 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 60	Surface runoff	30.07 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 61	Surface runoff	36.62 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 15	Surface runoff	148.28 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 37	Surface runoff	15.67 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 76	Surface runoff	15.01 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 69	Surface runoff	19.97 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 35A	Surface runoff	96.44 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 58	Surface runoff	19.65 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 35	Surface runoff	60.62 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 28	Surface runoff	54.98 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 18	Surface runoff	82.98 cfs (peak)	Sedimentation	1-U

			Discharge to surface water	4-A
Pond 27	Surface runoff	46.20 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 45	Surface runoff	37.14 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 47	Surface runoff	7.87 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 48	Surface runoff	272.82 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 50	Surface runoff	24.74 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 57	Surface runoff	22.74 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 59	Surface runoff	39.69 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 65	Surface runoff	9.28 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 66	Surface runoff	24.58 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 68	Surface runoff	28.15 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 51	Surface runoff	30.87 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 56	Surface runoff	35.22 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 32A	Surface runoff	45.61 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 53	Surface runoff	9.74 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 67	Surface runoff	21.71 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 32E	Surface runoff	86.57 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 32B	Surface runoff	74.32 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 52	Surface runoff	Not Available	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 55	Surface runoff	28.04 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 32D	Surface runoff	Not Available	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 54	Surface runoff	Not Available	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 32C	Surface runoff	55.65 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 64	Surface runoff	17.95 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Pond 16	Surface runoff	242.28 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A
Dugout 62	Surface runoff	32.78 cfs (peak)	Sedimentation	1-U
			Discharge to surface water	4-A

- The remaining ponds and dugout listed in Table I were not included as they are in series with Pond and Dugout listed in Table II, and therefore the 10 year discharge includes peak flow for all in series ponds and dugouts.