

Please print or type in the unshaded areas only.

FORM  
2C  
NPDESU.S. ENVIRONMENTAL PROTECTION AGENCY  
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER  
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL OPERATIONS  
Consolidated Permits Program

## I. OUTFALL LOCATION

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

A. OUTFALL NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
001	33	15	32	92	41	12	Unnamed Tributary of Flat Creek
002	33	15	48	92	41	24	Unnamed Tributary of Flat Creek
010	33	17	22	92	28	05	Ouachita River

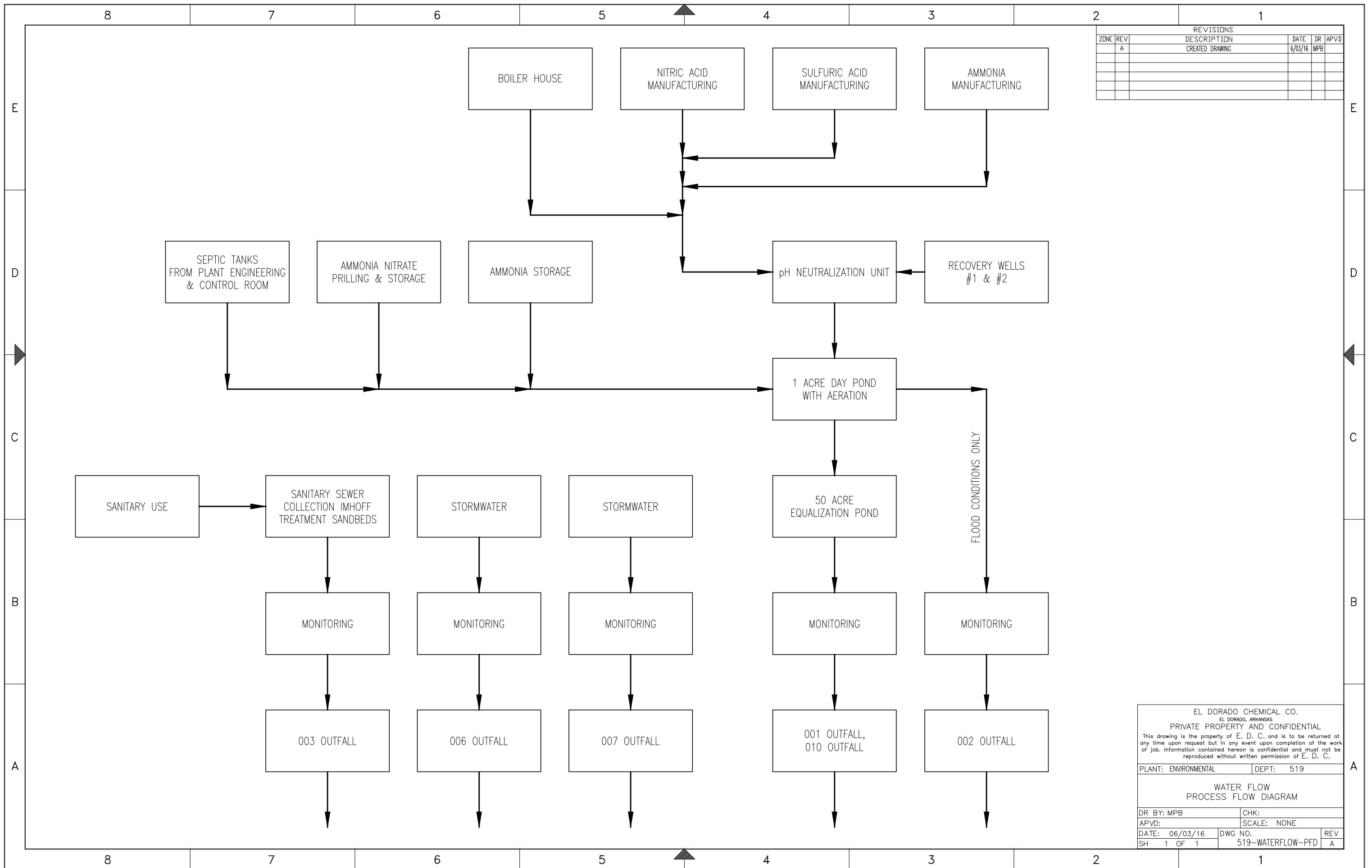
## II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

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 outfalls. 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.

1. OUTFALL NO (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT	
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1
001, 002, & 010	<b>Nitric Acid Manufacturing</b>		Neutralization, aeration, equalization,	2K, 3B, 3G
	• Storm Water	variable		
	• Cooling Towers (3)	170 GPM		
	• Rail Car Cleaning	33 GPM		
	• Boiler Blowdown (2)	10 GPM		
	• Decanted Water From Vaporizer	0.1 GPM		
	• Wash Down Water	10 GPM		
	<b>Sulfuric Acid Manufacturing</b>		Neutralization, aeration, equalization,	2K, 3B, 3G
	• Storm Water	variable		
	• Rail Car Cleaning	23 GPM		
	• Boiler Blowdown	5 GPM		
	<b>Ammonium Nitrate Prilling, Shipping &amp; Storage (Low Density and High Density)</b>		Aeration, equalization,	3B, 3G
	• Storm Water	variable		
	• Wash Down of Solid Material Spills	15 GPM		
	• Cooling Tower	8 GPM		
	<b>Steam Plant</b>		Neutralization, aeration, equalization,	2K, 3B, 3G
	• Storm Water	variable		
	• RO Waste Stream	50 GPM	None	
	• Boiler Blowdown	15 GPM		
	<b>Ammonia Storage</b>		Aeration, equalization,	3B, 3G
	• Storm Water	variable		
	• Condensate off of Ammonia Storage Containers	<10 GPM		
	<b>Ammonia Manufacturing</b>		Neutralization, aeration, equalization,	2K, 3B, 3G
Cooling Towers	128 GPM			
Multi-Filtration	75 GPM			
Boiler Blowdown	15 GPM			
Ion Exchange Polishers	12.7 GPM			
<b>Groundwater Recovery Wells (1&amp;2)</b>	2.5 GPM	Neutralization, aeration, equalization,	2K, 3B, 3G	
<b>Effluent from Septic Tanks</b>	variable	Aeration, equalization,	3B, 3G	

OFFICIAL USE ONLY (effluent guidelines sub-categories)



REVISIONS					
ZONE	REV	DESCRIPTION	DATE	DR	APVD
	A	CREATED DRAWING	6/03/16	MPB	

EL DORADO CHEMICAL CO.  
 EL DORADO, ARKANSAS  
 PRIVATE PROPERTY AND CONFIDENTIAL  
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PLANT: ENVIRONMENTAL	DEPT: 519
WATER FLOW PROCESS FLOW DIAGRAM	
DR BY: MPB	CHK:
APVD:	SCALE: NONE
DATE: 06/03/16	DWG NO.
SH 1 OF 1	519-WATERFLOW-PFD
	REV A