Water Purveyor

Municipality



## NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **BUREAU OF WATER SYSTEM ENGINEERING TECHNICAL REVIEW FORM**

## CHEMICAL HANDLING AND FEEDING (N.J.A.C. 7:10-11.12)

PWSID#

,		1 2	
Provide the following information (Attach additional copies of this p	l feed:		
Type of Chemical Feed <sup>1</sup>			
Specific Chemical Used			
Number Of Pumps <sup>2</sup>			
Pump Make and Model Number			
Type of Pump <sup>3</sup>			
Pump Capacity (gph)			
Treatment Plant Capacity (MGD)			
Chemical Dosage (pounds per day)			
Chemical Dosage (gallons per day)			
Initial Concentration* (parts per million)			
Final Concentration (parts per million)			
Method of Pump Control <sup>4</sup>			
Purpose of Treatment			

1 - Indicate the type of chemical feed (i.e. lime, prechlorination, caustic soda, etc.)

2 - For disinfection chemical feel pumps they must have the capacity to disinfect all water with one unit out of use
3 - Indicate the type of chemical feed pump (i.e. diaphragm, volumetric, gravimetric, solution, etc.)
4 - Indicate how the chemical feed pumps are controlled (i.e. flow pacing, residual pacing, etc.)

\* See supporting calculations on Page \_\_\_\_\_ of Engineer's Report

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Ge	neral Information			YES	NO	N/A
(	For those chemical feeds in treatment fac or whose capacity exceeds 20% of the sy 2 chemical feed pumps provided? (N.J.A	stem capacity, are a r	1			
2.	Is the variation in the accuracy of the fe dosage? (N.J.A.C. 7:10-11.12(a)2)	eed pump less than 5%	of the intended			
3.	Are there means provided to accurately feed? (N.J.A.C. 7:10-11.12(a)4)	measure the amounts	of chemical			
4.	Are the chemical feed lines looped to a of the chemical storage tank? (N.J.A.C.	U	highest elevation			
5.	Is each chemical feed protected via an a (N.J.A.C. 7:10-11.12(a)5)	anti siphon device?				
6.	Are the feed lines equipped with clean or repair? (N.J.A.C. 7:10-11.12(d))	out connections and a	ccessible for			
7.	Are the feed lines protected against dan (N.J.A.C. 7:10-11.12(d))	nage and freezing?				
8.	Are the feed lines corrosion resistant? (	N.J.A.C. 7:10-11.12(	d))			
9.	Are the feed lines as short as possible a (N.J.A.C. 7:10-11.12(d))	nd sloped to permit d	rainage?			
10.	Is each chemical feed pump electrically Service pump? (N.J.A.C. 7:10-11.12(a)		the well or			
Ch	emical Storage Tank					
1.	Is a minimum of 30 days storage provid (N.J.A.C. 7:10-11.12(a)7)	led for each chemical	?			
2.	Is the capacity of any day tank sufficier chemical storage at normal operating fe	1				
3.	Are means provided to allow for adequation chemical solution uniform throughout?					
4.	Is water which is used for make-up or d through an air gap or other approved me (N.J.A.C. 7:10-11.12(b)2)					

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3.	Do any direct connections between a che sanitary sewer line exist? (N.J.A.C. 7:10)	Ū.	ain and a				
4.	Are all waste liquids or sludge from che accordance with applicable State and Fe (N.J.A.C. 7:10-11.12(b)5)		1				
Dr	<b>y Feeders</b> : Indicate the type of feeder:	Volumetric	Gravir Gravir	netric			
1.	Are the feeder completely enclosed and provided? (N.J.A.C. 7:10-11.12(c)1)	are adequate means of	dust control				
2.	Does the solution pot provide effective s (N.J.A.C. 7:10-11.12©2)	solution or suspension	of the chemical	?			
3.	Is water which is used for make-up intro approved method to prevent back siphor		-				
Safety Provisions							
1.	Are rubber or neoprene gloves and hand (N.J.A.C. 7:10-11.12(e)1)	l washing facilities pro	vided?				
2.	Is a safety shower in close proximity to provided? (N.J.A.C. 7:10-11.12(e)2)	the chemical handling	location				
3.	Where dry powdered chemicals are hand Occupational Safety and Health (NIOSE (N.J.A.C. 7:10-11.12(e)1)			?			
4.	Is a copy of the manufacturer's material at each location where chemicals are had	•		ed			
5.	Do chemical storage tanks areas include	e secondary containmer	nt?				

\*Submit appropriate engineering plans, specifications, reports, etc. to substantiate your answers\* I hereby certify that answers provided herein are accurate and reflective of the project being considered for approval.

N.J.P.E. #

Professional Engineer's Embossed

Spall

Date

Signature of Engineer	
Professional Engineer's Embossed Se	eal

Type or Print Name of Engineering Firm

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