NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER SYSTEM ENGINEERING TECHNICAL REVIEW FORM							
PACKED COLUMN AERATION (N.J.A.C. 7:10-11.15(g))							
	Water Purveyor		PWSID#		Municip	ality	
Construction		ninum less Steel	Fiberglass Other:				
Column Dian Column Heig Packing Heig			Liquid Loadin Air Flow Rate	Rate: ng Rate: e: Ratio:			
Packing Type	2:						-
Packing Size	:		Source of Con	ntaminant (if kn	own):		
Sources to Be	e Served:	Actual or Anti	cipated Conditions:*				
Well No.	Capacity (gpm)	Contaminant	Level Found (ppb)	Design Level (ppb)			
					YES	NO	N/A
	<b>v</b>	nove contaminants fr J.A.C. 7:10-11.15(g	om twice the maximun )1)	n level			
2. Is the rem	noval efficiency at le	ast 95%?(N.J.A.C. 7	/:10-11.15(g)1)				
(N.J.A.C.	7:10-11.15(g)2)	nt hydraulic flooding ngineer's Report Pag					
4. Is a moist	ture barrier (demister	r) provided? (N.J.A.G	C. 7:10-11.15(g)13)				
5. Is the column designed to prevent scaling? (N.J.A.C. 7:10-11.15(g)3)							
	bhase treatment prov tion Permit #	-	.J.A.C. 7:10-11.15(g)4)				
7. Is a suitab	ole packing support	ray provided? (N.J.A	A.C. 7:10-11.15(g)5)				

\* Engineer's Report to address trends in contaminants.

Project No. WCP	
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		YES	NO	N/A
8.	Are wall wipers or redistributors provided at a minimum of 10 foot intervals to prevent short-circuiting? (N.J.A.C. 7:10-11.15(g)6)			
9.	Are means provided to drain the column riser pipe? (N.J.A.C. 7:10-11.15(g)8)			
10.	Are pre and post column water sampling taps provided? (N.J.A.C. 7:10-11.15(g)9)			
11.	Are means provided to allow for the periodic addition of chlorine for pre-disinfection or of another oxidant or acid for cleaning the medium? (N.J.A.C. 7:10-11.15(g)10)			
12.	Is the air intake located so as to avoid recirculation of the gas phase discharge from the top of the column? (N.J.A.C. 7:10-11.15(g)11)			
13.	Are a protective screen of a minimum 24 mesh and air particulate filters on the air intakes provided? (N.J.A.C. 7:10-11.15(g)12)			
14.	Where multiple sources are being treated, is a back-up blower provided? (N.J.A.C. 7:10-11.15(g)14)			
Clo	earwell			
1.	Is the facility designed, located, and graded to be secure against uplift and entry of underground and surface contamination? (N.J.A.C. 7:10-11.11(e))			
1.	Are any sanitary sewer lines located within 100 feet of the facility?			
	If so, is the sewer line constructed of steel, reinforced concrete, cast or ductile iron or other suitable material and has the line been tested for water tightness? (NLLA $\subseteq$ 7.10.11.11( $\cong$ )			
2.	(N.J.A.C. 7:10-11.11(e)2) Are any sanitary sewer manholes or lateral connections located within 100 feet of the facility? (N.J.A.C. 7:10-11.11)			
3.	Are storage tanks located in an area with a high water table equipped with a double containment system that includes leak detection equipment? (N.J.A.C. 7:10-11.11(e)4)			

\*\*\*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.

Signature of Engineer	Date	N.J.P.E. #
Professional Engineer's Embossed Seal		Professional
Type or Print Name of Engineering Firm PA15G (09/13)		Engineer's; Embossedi Spali