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

DISTRIBUTION SYSTEMS (N.J.A.C. 7:10-11.10)

			<u> </u>					
	Water	r Purveyor		PWS	SID#			
	Water Main Extension Answer Section A, B2, I and enclose form PA-05		Replacement Mains Answer A, B1, B3 and C			mission?		!C
	sed Piping Information: de ≤ 2 inch service lines)	Diameter (in.)	Length (LF)	Materi	al			
		Total Length (LF)						
A. Co	onstruction Standards							
			ed water mains will be con	structed	l in con	forman	ce with	the
requi	rements of N.J.A.C. 7:10	-11.10 et. seq. and	specifically that:			YES	NO	N/A
	here a minimum pressure of J.A.C. 7:10-11.10(d)1)	of 20 psi at street lev	vel under all flow conditions	?				
	an average demand less that the liameter? (N.J.A.C. 7:10-1		distribution mains at least si	x inches				
	higher demands are all di J.A.C. 7:10-11.10(d)2)	stribution mains at l	east eight inches in diameter	?				
4. If n	ot, is justification provide	d by hydraulic analy	vsis? (N.J.A.C. 7:10-11.10(d)2)				
	he maximum flow velocity J.A.C. 7:10-11.10(e)2)	y less than 5 fps for	mains up to 16 inches in dia	meter?				
	ne maximum flow velocity J.A.C. 7:10-11.10(e)2)	y less than 10 fps for	r mains greater than 16 inche	es in diar	neter?			
	the distribution mains lai J.A.C. 7:10-11.10(e)1)	d in a loop system to	eliminate deadends?					
	es each deadend have a fir J.A.C. 7:10-11.10(e)1)	e hydrant or flushing	g device with flow greater th	ıan 2.5 f _l	ps?			
9. Do	es the flushing device term	ninate above grade?	(N.J.A.C. 7:10-11.10(e)1)					
	re all distribution mains co I.J.A.C. 7:10-11.10(e)3)	overed with a minim	um of 3.5 feet of earth?					

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A. Construction Standards (Cont)		YES	NO	N/A
11. Are water mains disinfected	prior to use in accordance with N.J.	A.C. 7:10-11.6(d)?			
12. Is there adequate separation (N.J.A.C. 7:10-11.10(e)5)	of water mains and sanitary or indus	strial sewers?			
13. At sewer crossings, is there a with N.J.A.C. 7:10-11.10(e)5	adequate separation or protection in a 5?	accordance			
14. Are there n-1 valves at inters	ections of water mains? (N.J.A.C. 7	7:10-11.10(e)6)			
15. Do water services and plumb (N.J.A.C. 7:10-11.10(e)7)	oing comply with the Plumbing Subo	code?			
16. Are any proposed surface was (N.J.A.C. 7:10-11.10(f))	ater crossings satisfactory to the Dep	partment?			
17. Are chambers or pits contain	ing gate valves, properly drained? (l	N.J.A.C. 7:10-11.10(g)1)			
18. Are chambers or pits contain (N.J.A.C. 7:10-11.10(g)1)	ing air-relief valves or blowoffs pro	perly drained?			
19. Are chambers or pits contain (N.J.A.C. 7:10-11.10(g)1)	ing meters or similar appurtenances	properly drained?			
20. Air-relief valves not directly (N.J.A.C. 7:10-11.10(g)2)	connected to a storm or sanitary sev	wer?			
21. Blowoff or flushing device(s (N.J.A.C. 7:10-11.10(g)2)) not directly connected to a storm of	or sanitary sewer?			
22. Chamber or pit not directly of (N.J.A.C. 7:10-11.10(g)1)	connected to a storm sewer or sanitar	ry sewer?			
23. Is the open end of all automa (N.J.A.C. 7:10-11.10(g)3)	tic air-relief pipes one foot above gr	rade?			
24. Is the open end of all automa (N.J.A.C. 7:10-11.10(g)3)	tic air-relief pipes downfacing or m	ushroom cap?			
25. Is the open end of all automa (N.J.A.C. 7:10-11.10(g)3)	atic air-relief pipes provided with an	insect screen?			
26. Is the open end of all manual	air-relief pipes at the top of the cha	mber?			

(N.J.A.C. 7:10-11.10(g)3)

27. If high water table, is the open end one foot above ground and protected? (N.J.A.C. 7:10-11.10(g)3)

A. Construction Standards (Cont...)

If you answered "No" to any of the abo	ve questions, the	Engineer's Report	must provide the	reasoning for the
deviation from the regulations. Identify	below where in t	he Engineer's repo	rt that deviation r	easoning is given.

Question Number	Report Page and Section	Question Number	Report Page a	nd Secti	ion	
			<u> </u>	YES	NO	N/A
with an unappro	e line supplied by this water main ved water supply (such as a privat ter recycling; swimming pool etc.	te well; fire pond; waste wa	nter pump			
or the permit wi	ther provide the physical connection be conditioned to preclude placition permit has been obtained by	ng that service line into ser	rvice until a			
29. Does the pressu	re gradient that supplies this water	r main extension contain gr	ravity storage?			
Please note that if yo to provide fire prote	ou answered NO above, then undection.	er N.J.A.C. 7:10-11.11(a)2,	this pressure g	radient i	s not des	signed
Submit appropria	ate engineering plans, specificati	ons, reports, etc. to subst	antiate your ar	ıswers		
B. Water Quality	y Impacts					
 Transmission and Replacement Mains Does the application include transmission or replacement mains and other distribution pipework improvements? If "Yes", answer the following items. Do these improvements change detention times in the distribution system? If "Yes", explain how these changes affect the detention times in the distribution system: 				YES	NO	
i. Ma	t mains, identify the following: terial of old main(s): terial of new main(s):					
control process?	will change, does it impact the eff	icacy of any installed corre	osion	YES	NO	N/A

3. Sampling Plans

YE	S	NO

Do the Lead and Copper, Water Quality Parameters (LCR), Disinfection Byproducts, and/or Total Coliform sampling plans need to be revised?

If "Yes", indicate which plan(s) and an explanation of why:

If "Yes", have your current sampling plans been approved by the Division?

Note: The revised sampling plan(s) must be available upon request.

If "No", a sampling plan must be submitted and approved prior to submission of the Placed In Service Certification.

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Project No.	WCP	

C. Certification

a. APPLICANT'S CERTIFICATION

with N.J.A.C. 7:10-11 et seq. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate or incomplete information.					
Type: Name	Signature of Applicant/Owner's Authorized Representative				
Type: Position	Date of Application				
b. STATEMENT OF PREPARER OF TECH	INICAL REVIEW FORMS, PLANS & SUPPORTING DOCUMENTATION				
	the answers provided herein and the associated engineering plans and				

I hereby certify under penalty of law that the answers provided herein and the associated engineering plans and supporting documents are accurate and reflective of the project being considered for approval and hereby certify that the proposed project complies with and will be constructed in conformance with the requirements of N.J.A.C. 7:10-11 et seq. I further certify that the facilities are designed to achieve the design intent. I am aware that there are significant civil and criminal penalties for submitting false, inaccurate or incomplete information.

Signature of Engineer Professional Engineer's Embassed Seel	Date	N.J.P.E. #
Professional Engineer's Embossed Seal		Professional
Type or Print Name of Engineering Firm		Engineer's Embossed Seal