Iowa Department of Natural Resources		
 Date: Review Engineer: Date Received: 	March 15, 2002 Larry Bryant February 15, 2002 Newton WWTP	13. Decision: Approved Date: 4/02/02
 Facility Name: County Number: Program Area: Facility Type : Subject Area : Rule Reference: Design Stds Ref: Consulting Engr: Variance Rule: 	50 (Jasper) CP (Wastewater Co C04 (Physical Trea 329 (bar racks and 567-64.2(9)a 15.2.4.2.1 (bar space	tment) screens)
	al screen (to replace	the existing) with 1/4" openings as opposed to the minimum size of 5/8"
allowed by IA star	ndards.	
16. <u>Consulting Engir</u> Mechanical screens v multiple Iowa wastev	neer's Justifications with openings smalle	r than 5/8" are an accepted engineering design practice and there are ties that successfully use mechanical screens with clear openings of
16. <u>Consulting Engir</u> Mechanical screens v multiple Iowa wastev less than 5/8".	neer's Justifications with openings smalle water treatment facili	r than 5/8" are an accepted engineering design practice and there are
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 <u>Consulting Engin</u> Mechanical screens v multiple Iowa wastev less than 5/8". <u>Department's Jus</u> <u>Recommend varian</u> The proposed sizing manually cleaned coaservice. <u>Precedents Used</u> Clear Lake S.D Ap Osage - Approved 12 	neer's Justifications with openings smalle water treatment facili tifications (1/4") has been used arse bar screen is ava tandards does not inc pproved 7/10/96 2/18/98	r than 5/8" are an accepted engineering design practice and there are ties that successfully use mechanical screens with clear openings of successfully at several other locations in Iowa. A bypass channel with ilable should the mechanically cleaned screen need to be taken out of
 16. <u>Consulting Engin</u> Mechanical screens version multiple Iowa wastevers less than 5/8". 17. <u>Department's Jus</u> Recommend varian The proposed sizing manually cleaned constrained constrained 	neer's Justifications with openings smalle water treatment facili tifications (1/4") has been used arse bar screen is ava tandards does not inc pproved 7/10/96 2/18/98	r than 5/8" are an accepted engineering design practice and there are ties that successfully use mechanical screens with clear openings of successfully at several other locations in Iowa. A bypass channel with ilable should the mechanically cleaned screen need to be taken out of lude a minimum sizing for mechanical bar screens. Fort Madison – Approved 5/10/00 Winterset – Approved 8/7/92 Nora Springs – Approved 4/2/99

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THOMAS J. VILSACK, GOVERNOR SALLY J. PEDERSON, LT. GOVERNOR

STATE OF IOWA

DEPARTMENT OF NATURAL RESOURCES JEFFREY R. VONK, DIRECTOR

April 9, 2002

City of Newton 1700 North Fourth Avenue West Newton, IA 50208

Attn: Robert Main, Public Works Director

RE: Variance Request 2002 Wastewater Facility Improvements

Dear Mr. Main:

The Iowa Department of Natural Resources, in accordance with subrule 567 IAC 64.2(9), has reviewed the variance requested by your consulting engineer from the Iowa Wastewater Facilities Design Standards. A variance from Design Standard 15.2.4.2.1 to allow a minimum clear opening of ¹/₄" for the mechanical screen proposed for your project is **approved**.

This decision is based on our review of justification presented to support the request and our concurrence that the resulting project will provide substantially equivalent effectiveness as would be provided by technical compliance with the design standard on this issue.

If there are any questions, please feel free to contact Larry Bryant at 515/281-8847.

Sincerely,

Jack Riessen, P.E., Chief Water Quality Bureau

c: Veenstra & Kimm, Inc. Field Office 5