

THOMAS J. VILSACK, GOVERNOR SALLY J. PEDERSON, LT. GOVERNOR STATE OF IONA

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Variance File: Chap 15.2.4.2.1

DEPARTMENT OF NATURAL RESOURCES JEFFREY R. VONK, DIRECTOR

August 21, 2002

The Honorable Marvin D. Steffen Mayor of Corning 601 6th Street Corning, Iowa 50841-1503

SUBJECT: Variance from IA 15.2.4.2.1

Corning, Iowa CS192206 01

Dear Mayor Steffen:

The Iowa Department of Natural Resources in accordance with Subrule 567—64.2 (9) c of the Iowa Administrative Code has approved your March 20, 2002 request for a variance from the Department Rule 567—64.2 (9) b, I.A.C. and Chapter 15.2.4.2.1 of the Iowa Wastewater Facilities Design Standards, which requires a minimum of 5/8-inch opening for the mechanical screen. Based on the documentation presented by the design engineer, it is the determination of this Department that satisfactory justification has been presented to warrant the granting of a variance to the City of Corning for using a minimum clear opening of ¹/4-inch for the mechanical screen.

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 Emy Liu at 515/281-8509.

Sincerely,

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

c: Howard R. Green Company, Des Moines Field Office 4

> WALLACE STATE OFFICE BUILDING / 502 EAST 9th STREET / DES MOINES, IOWA 50319 515-281-5918 TDD 515-242-5967 FAX 515-281-6794 www.state.ia.us/dnr

Alk	V 9-8-06
	ARIANCE REQUEST Department of Natural Resources
1. Date:August 21, 20022. Review Engineer:Emy W. Liu3. Date Received:March 20, 20024. Facility Name:Corning WWTP5. County Number:02(Adams)6. Program Area:CP(Wastewater OC)7. Facility Type :C04(Physical Trees8. Subject Area :329 (bar racks and9. Rule Reference:567-64.2(9)a10. Design Stds Ref:15.2.4.2.1 (bar sp	13.Decision: Approved Date: 3/26/02 14.Appeal: Date: Construction) eatment) I screens)
15. <u>Description of Variance Request:</u> Utilize a mechanical screen with ¹ /4-inch required by Iowa Design Standards.	h openings as opposed to the minimum 5/8-inch clear openings
2. This type of screen has been operate	f the requirement of the following Aero-Mod process unit. ed successfully in at least nine towns in Iowa. d, the flow will back-up and be pumped to the equalization basin.
been proved by numerous Iowa was	ess than 5/8-inch are an accepted engineering design practice and have stewater treatment facilities. nclude a minimum sizing for the traditional mechanical bar screens.
18. <u>Precedents Used</u> Cherokee, Humbolt, Wellman, West Li	berty, Altoona, Osage, Nora Springs, Clear Lake, Waukee, etc.
19. Staff Reviewer: Smy & dim 20. Supervisor: 21. Authorized by: Marson	Date: $fry \frac{2}{2} \frac{2}{2002}$ Date: $\frac{5}{2} \frac{2}{02}$ Date: $\frac{5}{2} \frac{2}{02}$