	VARIANCE	REQUEST
	Iowa Department of	Natural Resources
 Date: Review Engineer: Date received : Facility name: 	•	Decision: Date: 7/14/11 Devied
5. Facility number:6. County Number:	6-54-60-0-01	Appealed:
 Program Area: facility Type: 		Date:
9. Subject Area: 10.Rule Reference:	344 (pump cogging protection) 567-64.2(9) a	
11.Design Standard Ref: 12. Consulting Engr.:	13.4.2 Garden and Associates, LTD.	
13 Variance Rule: 16. Description of Variance	567.64.2(9) c	
The City of Ollie is an Utilities Service Syster Chapter 13.4-Iowa St Wastewater Facilities D provision of screening pumps station handling 17. Applicant's /Consultin The Engineer has an op and serve similarly sm Hamilton, Lincoln, and drawn into the pump; I the wet well until a cl necessitated more frequ basket) would have reta 18. Department's Justificat Recommend variance: G The variance has been does not provide adequ reversal mechanism to and cause problems and	Unsewered community with a total p ms (RUSS) is requesting a variand andard for Pumps and Pnuemati Design Standards Chapter 13.4.2 requested to protect the pump form clogging of the raw wastewater from Ollie, Iow <u>g Engineer Justification</u> : inion that a duplex grinder pump state all populations. Grinder pumps have d Morrison) without trash basket; g arge objects those that cannot be dr leaning occurs. Excessive quantities the term of the Kinross system, ined these objects. tion: denial denied in the past for Unsewered contact the protection to the pumps. Variant eliminate clogging. Fibrous materia	population of 224. Garden and Associates on behalf of Rural ce from the Iowa Wastewater Facilities Design Standards ic ejectors-13.4.2-protection against clogging. The Iowa uires all pumping station handling raw wastewater shall have or damage. RUSS has requested a variance to allow grinder a and to be exempt from requirement to provide screening. ation supplied without a trash basket can effectively function we functioned very reliably in similar applications (Kinross, grinder pumps are designed to macerate materials that are rawn into the cutting assembly are expected to be remain in es of cloth and other fibrous based flexible materials have but it is questioned if a conventional screening device (trash proventional growty sever system - Act stations conventional growty sever system - Act stations conventional growty sever system - Act stations and nees for chopper type pumps which have a no-clogging and al, cloth, and other debris are known to clog grinder pumps ivalent effectiveness, and has been recommended for denial.
19. <u>Precedents Used</u> : City of Promise City on Halbur on 05/06/2005 Keswick on 11/23/2004		
20. Staff Reviewer:	Sup	Date: 7 13 2011
21. Supervisor:Detail22. Authorized by :()	In chemipati	Date: $\frac{114}{114}$
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