

DATE RECEIVED		FACILITY NAME	COUNTY No.	PROGRAM AREA CODE	FACILITY TYPE CODE	SUBJECT AREA CODE
1/22/87		ATALISSA	70	CP	CO4	325
RULE REFERENCE	DESIGN STANDARD REFERENCE	DECISION		APPEAL ACTION		
567-64.2(9)	10 16.3.1	11 Approved 2/20/87 3/5/87		12		
ENGINEER		VARIANCE RULE				
3 Hawkeye		14 IAC CHAP. 64.2(9)C				

15. DESCRIPTION OF VARIANCE REQUESTED: _____

modular settling unit proposed as an innovative technology system utilizes a depth of 6' in lieu of the 12' standard

16. ENGINEERS JUSTIFICATION: the system meets the 20% life cycle energy savings to qualify for E.P.A innovative technology consideration. the facility has been approved and constructed in Missouri under this program.

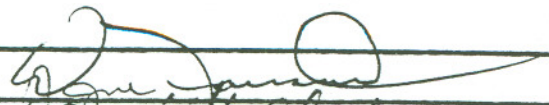
17. DEPARTMENTS JUSTIFICATION: the SWD requirements of the standard are assumed to be related to the fact that the floc following extended aeration periods are very light and have a potential to become re-suspended as a result of normal flow variations. the physical configuration of the settler unit tends to be less sensitive to these variations, as text book values of surface settling rates may be several times greater than those for conventional units, while accomplishing effective settling. it does not appear that this design should require the additional height of water to hold the blanket, as is the apparent guiding rationale behind the standard, as a means of compensating for flow variation.

18. PRECEDENTS USED: _____

19. STAFF REVIEWER: _____

20. SUPERVISOR: _____

21. AUTHORIZED BY: _____


David H. Albote 2/20/87