

✓ 9-11-06
 ENTERED 5/24/89 Billy Chen

DATE RECEIVED	FACILITY NAME	COUNTY No.	PROGRAM AREA CODE	FACILITY TYPE CODE	SUBJECT AREA CODE
3 5/19/89	4 Oak Ridge Estate Mt. Vernon	5 57	6 CP	7 CO2	8 327
RULE REFERENCE	DESIGN STANDARD REFERENCE	DECISION		APPEAL ACTION	
9	10 13.10.4	11 Denied 5/26/89		12	
ENGINEER		VARIANCE Rule			
13 MMS Consultants, Inc.		14 64.2(9)			

15. DESCRIPTION OF VARIANCE REQUESTED: _____

Chapter 13.10.4 of the design standards require that
 valves for submersible pumps shall be located in a
 separate valve chamber. The engineer is proposing to use
 pumps with build-in check valve to be located in
 the wet well and bury gate valves adjacent to the
 wet well. This pump station will not have a
 separate valve chamber.

16. ENGINEERS JUSTIFICATION:

1. The pump station manufacturer has so recommended.
2. Elimination of the separate valve chamber will reduce potential vandalism problems.
3. Eliminate drainage problems associated with valve chambers.

17. DEPARTMENTS JUSTIFICATION:

We could allow the check valve to be located in a wet well since it is specifically designed as a component of the submersible pump which can be lifted out with the pump for servicing. We should, however, still require a valve chamber be provided for the gate valves to prevent the need ~~to~~ of digging valves out for maintenance. We have not waived the valve chamber requirement since we keep record of variance request. We recommend this ~~to~~ request be denied.

12. PRECEDENTS USED:

City of Mystic ~~9/11/86~~ denied
7/11/86.

19. STAFF REVIEWER:

Billy C. Chen

3. SUPERVISOR:

W/you record 5/24/85

2. AUTHORIZED BY:

~~David M. Webb~~ 5/26/89



TERRY E. BRANSTAD, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
LARRY J. WILSON, DIRECTOR

COPY

Mt. Vernon, Iowa
CH

June 2, 1989

Mr. Christopher M. Stephan
MMS Consultants, Inc.
465 Iowa Highway No. 1 West
Iowa City, Iowa 52246

RE: Oak Ridge Estates, Part One
Mount Vernon, Iowa

Dear Mr. Stephan:

We have completed our review of the variance request of May 17, 1989 in regards to Chapter 13.10.4 of the Iowa Wastewater Facilities Design Standards. Our design standards require that valves for submersible pumps shall be located in a separate valve chamber while you are proposing to locate check valves in the wet well and to bury a gate valve and a valve box adjacent to the wet well.

We could allow the check valves to be located in the wet well since it is specifically designed as a component of the submersible pump which can be lifted out with the pump for servicing. We would, however, still require a separate valve chamber be provided for the gate valves to prevent the need of digging valves out for maintenance. Your request of burying a gate valve and a valve box adjacent to the wet well has been denied.

If you have any questions concerning this letter, please do not hesitate to contact Mr. Billy C. Chen of this office at 515/281-4305.

Sincerely,

DARRELL McALLISTER, CHIEF
SURFACE & GROUNDWATER PROTECTION BUREAU

DM:BCC:pla/STEP

cc: Field Office 6
V.G. Stoner & Sons Corp.

s) Separate Valve Pits (34.4)

MN raised the question if it is always necessary to have a separate valve pit for a submersible pump station.

IL allowed a check valve of Myer submersible pump to be located in a wet well since it was specifically designed as a component of the submersible pump which can be lifted out with the pump from above ground for servicing. It was the consensus that a

valve pit is still required by the Standards to house the gate valve and prevent the need for the worker to enter the raw sewage wet well.

From Minutes of GLVMRB mtg 6/3-5/86

5/16/89
Fred-
Pumping station
valve info from the
10-states meetings.

NR

7. H₂S problems in long force mains and sewers--several States noticed the problem at certain locations. We agreed to address this item in the next 10-State rewrite.

F. The Minimum Depth of a Plastic Task Force Media

Mr. Blydenburgh raised a question on the justification of the 10' minimum depth for manufactured media in a trickling filter (Section 81.32). No justification for the minimum depth was offered. Will consider again during the next 10-State revision.

G. The Location of a Check Valve in a Submersible L.S.

Chairman Akers had distributed by mail (February 1981) the written request of Myers Pump Company, suggesting possible changes in Section 34.4 to allow locating a removable check valve (not a gate valve) inside a submersible lift station provided the valve is removable without personnel entering the wet well. It was the consensus of the committee that it should not rush to reduce the safety and ease of maintenance intent of the 1978 Edition, specifically, keeping operations from having to enter the wet well for maintenance of the check valve or other equipment. Ohio and Missouri were assigned to look into this matter (Check-valve Task Force). The Task Force will survey the use experience of such a check valve and propose a language for revision of Section 34.4 if the survey is favorable. Akers will distribute the report to the members for phone balloting so that the proposal could be reported to the April 1983 GLUMB meeting.

H. NEC Code and Submersible L.S.

In relation to Section 34.3, the Chairman asked Mr. Bruce to check the latest development of NEC code revision (also check with Warren Schickenreider, the former vice chairman) and report back to the Chairman.

I. Rectangular Clarifiers

Illinois related their survey of traveling bridge and/or suction-type sludge collection devices (Clear-Vac) for rectangular clarifiers in Indiana and Illinois and emphasized the need for the lower overflow rates than the normal criteria in view of high rates of floc carry-over. The hydraulics (density currents) of the device was considered as the major cause of the problem.

J. M.H. Spacing and Minimum Sewer Sizes

Mr. Evans requested canvassing of each State on the subject matter. It was shown that some States allow flexibility in the M.H. spacing as well as minimum sewer sizes for small towns. The Chairman appointed Iowa and Missouri to the M.H.

Minutes
of GLUMRB
Mtg. of
9/28/82



MMS CONSULTANTS, INC.

465 IOWA HIGHWAY N^o. 1 WEST • IOWA CITY • IOWA 52246-4205
319-351-8282

Robert D. Mickelson
Larry R. Schnittjer
Christopher M. Stephan
Dean E. Beranek
Dennis J. Kettel

L.S.
L.A.
P.E.
L.S.
P.E.

May 17, 1989

Mr. Wayne Farrand, Supervisor
Wastewater Permits Section
Iowa Department of Natural Resources
Henry A. Wallace Building
900 East Grand Avenue
Des Moines, Iowa 50319

RE: Oak Ridge Estates, Part One
Mount Vernon, Iowa

Dear Mr. Farrand:

Please find enclosed the following DNR Forms, along with two complete sets of plans and detailed specifications, for the above referenced project:

Wastewater Permit: Schedules A, C, E and form 29

With this letter, we are hereby applying for a variance to Paragraph 13.10.4 of the Iowa Wastewater Facilities Design Standards, concerning a separate valve chamber for the grinder pump lift station. Recent changes and improvements in design technology for small, package-type lift stations now utilize a submersible pump-ball check valve component system that can be easily removed from the wet well for maintenance/repair. Manufacturers of these component systems also advocate placement of the shut-off gate valve in the wet well chamber, but we believe that a buried gate valve and a valve box placed adjacent to the wet well would be more functional, and would not cause any operation or maintenance problems. This type of arrangement has been successfully utilized on past projects, such as the Scattergood School Wastewater system located near West Branch, Iowa. Elimination of the separate valve chamber will reduce potential vandalism problems and drainage problems associated with valve chambers.

If you should have any questions concerning this construction permit application, or the variance request, please do not hesitate to contact us.

Respectfully submitted,

MMS CONSULTANTS, INC.



Christopher M. Stephan, P.E.

CMS/cas (1579004C.07)

Encls.

cc: Steve Vanderah, w/Encls.
Dan Stoner

LANDSCAPE ARCHITECTURE

PLANNING

LAND SURVEYING

ENGINEERING

Mt Vernon Sewer
CA

STATE OF IOWA
DEPARTMENT OF NATURAL RESOURCES
HENRY A. WALLACE BUILDING
DES MOINES, IOWA 50319

CONSTRUCTION PERMIT

V.G. Stoner & Sons Corp.
1050 Linn Ridge Road
Mt. Vernon, IA 52314

PERMIT NO.: 89-172-S

FILE: Mt. Vernon, Sewage

RE: Oak Ridge Estate Part I

PROJECT NO: S89-161

In accordance with the provisions of Section 455B.173.9 and 455B.174.4, Code of Iowa, and Rule 567--64.2(455B) or Rule 567--65.5(455B), or Rule 567--41.12(455B) of the Iowa Administrative Code, the Director of the Department of Natural Resources does hereby issue a permit for the construction of:

577 feet of 12 inch and 860 feet of 8 inch sanitary sewers, one 65 gpm pump station with two 3 Hp submersible pumps and 950 feet of 3 inch force main.

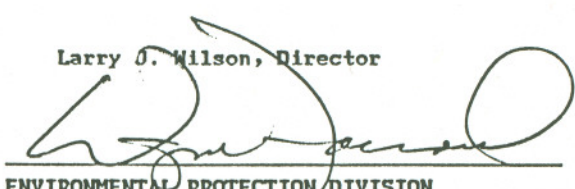
The construction of the project shall be initiated within one year of issuance of this permit or this permit is no longer valid. Within thirty days after completion of construction, the permit holder shall submit a certification by a registered professional engineer that the project was completed in accordance with the approved project documents.

Pursuant to Section 455B.174.4, Code of Iowa, you have the right to appeal any condition of this permit by filing with the Director of the Department of Natural Resources a notice of appeal and request for administrative hearing within thirty days of receipt of this permit.

Contact Billy C. Chen at 515/281-4305 with any questions or comments.

For the Department of Natural Resources

Larry J. Wilson, Director

By: 

ENVIRONMENTAL PROTECTION DIVISION

Date: June 6, 1989

cc: City Clerk, Mt. Vernon
MMS Consultants, Inc. - Iowa City
Field Office 1

Plan Distribution

1 Field Office; 1 DNR File

BC-157.ccf



MMS CONSULTANTS, INC.

465 IOWA HIGHWAY N^o. 1 WEST • IOWA CITY • IOWA 52246-4205
319-351-8282

Robert D. Mickelson
Larry R. Schnittjer
Christopher M. Stephan
Dean E. Beranek
Dennis J. Keitel

L.S.
L.A.
P.E.
L.S.
P.E.

June 2, 1989

Mr. Billy Chen
Iowa Department of Natural Resources
Henry A. Wallace Building
900 East Grand Avenue
Des Moines, Iowa 50319

RE: Oak Ridge Estates, Part One
Mount Vernon, Iowa

Dear Mr. Chen:

In accordance with our telephone conversation on May 30, 1989 concerning the variance request for the grinder pump lift station, we are enclosing two copies of a revised drawing for this lift station.

It is our understanding that the DNR will not allow the gate valves to be buried, but that the integral ball check valves attached to the grinder pump assemblies are acceptable. Therefore, we have added a separate valve chamber for the gate valves, as required by Paragraph 13.10.4 of the Iowa Wastewater Facilities Design Standards.

We trust that the above revisions to the grinder pump lift station design for Oak Ridge Estates will now allow you to process the construction permit application.

If you have any further questions or comments concerning this construction permit application, please do not hesitate to contact us.

Respectfully submitted:

MMS CONSULTANTS, INC.

Dennis J. Keitel, P.E.

DJK/dkm(1579004C.10)
Encls.
cc: Dan Stoner
Steve Vanderah

LANDSCAPE ARCHITECTURE

LG

PLAN

LAND SURVEYING

ENGINEERING

STATE DEPARTMENT OF NATURAL RESOURCES
WASTEWATER PERMITS SECTION
CONSTRUCTION PERMIT APPLICATION

Sewage Treatment Agreement

1579-004

INSTRUCTIONS

This agreement must be executed for all projects where construction and water treatment will be provided by different parties; i.e., a private subdivision connecting to a municipal system. This agreement must be executed by the parties who are owners at the time the permit is issued, regardless of whether title to the proposed construction project will be transferred after completion of the project.

This agreement is not necessary when a contract for sewage treatment already exists; i.e., service contracts between municipalities. However, the Department of Natural Resources must be informed in writing that the contractual agreement does exist.

APPLICANT		ENGINEER	
OWNER V.G. STONER & SONS CORP.	FIRM MMS CONSULTANTS, INC.		
ADDRESS 1050 LINN RIDGE ROAD MT. VERNON, IOWA 52314	ADDRESS 465 HWY #1 WEST IOWA CITY, IOWA 52246		
REPRESENTATIVE DAN STONER	TELEPHONE 319/895-6346	PROJECT OFFICER CHRISTOPHER M. STEPHAN	TELEPHONE 319/351-8282
PROJECT IDENTIFICATION OAK RIDGE ESTATES, PART ONE, MT. VERNON, IOWA			
OWNER AND SYSTEM RECEIVING WASTES CITY OF MT. VERNON, IOWA MUNICIPAL SEWAGE TREATMENT PLANT			

CERTIFICATE

I am the authorized representative of the owner identified above and state that the proposed sanitary sewerage facilities shall be constructed in accordance with the plans and specifications and all wastes contributed by this project shall be discharged to the treatment system identified above.

SIGNATURE <i>V.G. Stoner & Sons Corp. by Dan L. Stoner</i>	TITLE Vice - Pres.	DATE 5-15-89
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AGREEMENT TO PROVIDE SEWAGE TREATMENT

I am the authorized representative of the owner of the system identified above and state that the connection of the proposed sanitary sewerage facilities identified above is approved by the owner, and that the owner accepts responsibility for providing adequate treatment of all wastes contributed by this project, in accordance with the provisions of Chapter 455B, Code of Iowa, and the rules of the Department of Natural Resources. This agreement shall not be construed in any way to affect any local ordinances, sewer service agreements, or fee systems entered into between the parties.

SIGNATURE <i>James J. Engelbrecht</i>	TYPED OR PRINTED NAME JAMES J. ENGELBRECHT	
TITLE Mayor - Mt. Vernon, Iowa	PHONE NUMBER 895-8742	DATE 5/15/89

IOWA DEPARTMENT OF NATURAL RESOURCES
WASTEWATER PERMITS SECTION
CONSTRUCTION PERMIT APPLICATION
SCHEDULE A, General Information

#1579-004

APPLICANT		ENGINEER	
OWNER	U.G. STONER & SONS CORP.		FIRM
ADDRESS		ADDRESS	
1050 LINN RIDGE ROAD MT. VERNON, IOWA 52314		465 HWY #1 WEST IOWA CITY, IOWA 52246	
REPRESENTATIVE	TELEPHONE	PROJECT OFFICER	TELEPHONE
DAN STONER	319/895-6346	CHRISTOPHER M. STEPHAN	319/351-8282
PROJECT IDENTIFICATION			ESTIMATED COMPLETION DATE*
OAK RIDGE ESTATES, PART ONE, MT. VERNON, IOWA			OCTOBER, 1989

CHECKLIST
Please respond to all questions

- | | YES | NO |
|---|-------------------------------------|-------------------------------------|
| 1. Has an engineering report, facility plan or information previously been submitted for this project?
IF YES=> | ☐ | ☒ |
| PROJECT IDENTITY | | |
| DATE SUBMITTED | | |
| 2. Does the project, as submitted, follow the recommendations and conclusions of the preliminary report?
IF NO=> Provide design basis and technical information justifying all changes. | ☐ | ☐ |
| 3. Are there two complete sets of plans accompanying this application?
IF NO=> The application must qualify as a 'minor project' within the meaning of §455B.183.3 Code of Iowa. | ☒ | ☐ |
| 4. Are there two sets of specifications accompanying this application?
IF NO=> | ☐ | ☐ |
| APPROVED STANDARD SPECIFICATIONS OF (municipality or firm) | | |
| MMS CONSULTANTS, INC. | | |
| DATE APPROVED | | |
| 4-30-81 | | |
| 5. Does each set of plans and specifications or engineering report accompanying this application contain an "engineer's certificate", executed in conformance with §114.16, Code of Iowa?
IF NO=> Processing of the project will be delayed pending receipt of certified plans, specifications, or engineering report. | ☒ | ☐ |
| 6. Is this a joint wastewater and water supply project?
IF YES=> A construction permit application for water supply must accompany this application. | ☒ | ☐ |
| 7. Is the applicant to provide treatment of effluent resulting from this construction?
IF NO=> A Sewage Treatment Agreement (DNR Form 29) executed by the authority providing treatment must accompany this application. | ☐ | ☒ |
| 8. Is any waterline located within 10 feet, or any private or public well or public recreation area located within 400 feet of the proposed construction?
IF YES=> Identify and locate the facility(s) relative to the proposed construction. | ☐ | ☒ |
| 9. Will construction inspection be conducted by a registered engineer employed by the applicant?
IF NO=> | ☐ | ☐ |
| NAME OF ENGINEERING FIRM CONDUCTING CONSTRUCTION INSPECTION | | |
| MMS CONSULTANTS, INC. | | |

APPLICANT		ENGINEER	
I certify that I am the authorized representative of the owner and state that the project identified above is approved by the owner.		I certify that all aspects of design included in this application conform to applicable standards contained in Rule 567--64 I.A.C., or that an explanation and justification for any proposed variations from such standards is attached. I am familiar with the information contained in this application, and to the best of my knowledge, such information is complete and accurate.	
SIGNATURE	DATE	SIGNATURE	DATE
<i>Dan Stoner</i>	5-15-89	<i>Christopher M. Stephan</i>	5-17-89
*If the project completion date is dependent on other reviews or completion of financing, indicate the completion date on the basis of specified construction days following award of contract.			
PLEASE COMPLETE THE SCHEDULE CHECKLIST ON THE REVERSE OF THIS FORM			

STATE DEPARTMENT OF NATURAL RESOURCES
WASTEWATER PERMITS SECTION
CONSTRUCTION PERMIT APPLICATION
SCHEDULE A, General Information

DOCUMENT CHECKLIST

Identify all categories included in this project. Also, identify schedules attached to this application.

SCHEDULE	TITLE	INCLUDED	SUBMITTED
B	Collection System	☐	☐
C	Lateral Sewer Extension	☒	☒
D	Trunk & Interceptor Sewer	☐	☐
E	Wastewater Pump Station	☒	☒
F	Treatment Project Site Selection	☐	☐
G	Treatment Project Design Data	☐	☐
H1	Schematic Flow Diagram	☐	☐
H2	Treatment Process Removal Efficiency	☐	☐
H3	Mechanical Plant Reliability	☐	☐
I	Screening, Grit Removal and Flow Measurement	☐	☐
J	Septic Tank System	☐	☐
K1	Controlled Discharge Pond	☐	☐
K2	Aerated Pond	☐	☐
K3	Anaerobic Lagoon	☐	☐
L	Settling Tanks	☐	☐
M	Fixed Film Reactor - Stationary Media	☐	☐
N	Rotating Biological Contactor	☐	☐
O	Aeration Tanks or Basins	☐	☐
P	Gas Chlorination	☐	☐
Q	Sludge Digestion & Holding	☐	☐
R1	Sludge Dewatering & Disposal	☐	☐
R2	Low Rate Land Application of Sludge	☐	☐

Identify any categories included in this project which are not provided in the above list of schedules:

IOWA DEPARTMENT OF NATURAL RESOURCES
WASTEWATER PERMITS SECTION
CONSTRUCTION PERMIT APPLICATION
SCHEDULE C, Lateral Sewer Extension

#1579-004

DATE PREPARED 5-15-89	PROJECT IDENTITY OAK RIDGE ESTATES, PART ONE MT. VERNON, IOWA	DNR USE PROJECT NO. PERMIT NO.
DATE REVISED		

1. Design Basis	Initial		Design Year (2010)	
Residential service area	6.5	Acres	29.0	Acres
Population	50	Persons	180	Persons
Flow (100 GPCD)	5,000	GPD	18,000	GPD
BOD ₅ (0.17 #/d/cap)	8.5	#/day	30.6	#/day
Industrial service area	—	Acres		Acres
Rated Flow		GPD		GPD
BOD ₅		#/day		#/day
Other <u>Hardee's Rest.</u>	—	Acres	—	Acres
Rated Flow — peak hr.	21,600	GPD	21,600	GPD
BOD ₅		#/day		#/day
Total BOD ₅		#/day		#/day
Total Flow	26,600	GPD	39,600	GPD
Peak Hourly Flow	41,600	GPD	93,600	GPD

2. Pipe	8 Inch	10 Inch	12 Inch
Diameter	8 Inch	10 Inch	12 Inch
Material	ESVCP		ESVCP
Joint	ASTM C425 or C594		ASTM C425 or C594
Minimum Slope	0.40 %		1.52 %
Maximum Manhole Space	220 Ft.		275 Ft.
Total Sewer Length	860 Ft.		577 Ft.
Maximum Cover	14 Ft.		8 Ft.
Minimum Cover	3 Ft.		3 Ft.

3. Construction specifications (Indicate ASTM No. or other standard included in the specifications). A brief description is required in each part.

- A. Bedding class ASTM C12, Class C or Class B as required
- B. Pipe laying ASTM C12
- C. Compaction ASTM C12 & ASTM D-1557
- D. Manhole ASTM C478
- E. Specified maximum infiltration/exfiltration rate 200 GPDMP1
- F. Infiltration/exfiltration test procedures DNR 12.7.3.1, 12.7.3.2, 12.7.3.3, 12.7.3.4
- G. Alignment & grade test procedures
 - (1) During construction: Stake & batter board Laser XX
 - (2) After construction: Lamping XX Other _____
- H. Deflection test procedures N/A

- 4. Are detailed manhole drawings included? Yes ☐ No ☐ Refer MMS Standard Specifications
 Are manhole covers nonvented? Yes ☒ No ☐ Manhole diameter 48 In.
 Manhole opening diameter 22.75 In. Material Concrete
- 5. Minimum sewer & water main separation: Horizontal 10 ft. Vertical 18 In. Are specifications included? Reference MMS Standard Specifications
- 6. Stream, road, or railroad crossing protection Reference MMS Detailed Specifications
 Are specifications included? Yes

IOWA DEPARTMENT OF NATURAL RESOURCES
WASTEWATER PERMITS SECTION
CONSTRUCTION PERMIT APPLICATION

SCHEDULE E, Wastewater Pump Station

DATE PREPARED 5-15-89	PROJECT IDENTITY OAK RIDGE ESTATES, PART ONE MT. VERNON, IOWA	DNR USE PROJECT NO. PERMIT NO.
DATE REVISED		

1.

Design Basis	Initial	Design Year (2010)
Residential Area, Acres	6.5	29.0
Population, Persons	50	180
PHDW Flow, MGD	0.02	0.07
Industrial Area, Acres		
PHDW Flow, MGD	—	
Other <u>Hardwoods</u> , Acres		
PHDW Flow, MGD	0.02	0.02
Peak Hourly Infiltration, MGD		
Peak Hourly Inflow, MGD	—	—
Total PHDW Flow, MGD	0.04	0.09
Total PHMW Flow, MGD		

2. Provide pump information

Pump No.	Type	Opening (In)	HP	Capacity GPM	TDH (ft.)		Operating Level	
					Computed	Rated	On	Off
1	Sub. Grinder		3	65	42		768.00	766.75
2	Sub. Grinder		3	65	42		769.00	766.75
3								
4								
5								
Sump								

Are pumps specified as being capable of passing three inch diameter spheres? Yes ☐ No ☒ -GRINDER

Can remaining pumps handle PHMW flow with largest pump out of service? Yes ☒ No ☐

3. Wet-well effective volume 185 gallons. Retention time: Initial Flow 12 minutes.
Design Flow: 3 minutes.

4. Is forced air ventilation provided? NO

Continuous: wet-well _____ dry-well _____ Intermittent: wet-well X dry-well N/A
wet-well _____ air changes/hour dry-well _____ air changes/hour

Are spark-proof materials specified? Yes ☒ No ☐

5. Force main: Is profile of force main provided? Yes ☐ No ☒

Size 3 in. Length 950 ft.

Pipe Material SDR-26 PVC Joint Rubber gasket

Minimum cover 5.0 ft. Minimum velocity 2.9 fps

Number of high points _____ Are air relief valves provided? Yes ☐ No ☐

Number of thrust blocks provided? 6 At location(s) all Bends

Is pressure test specified? Yes ☒ No ☐ Does installation conform to AWWA C600? Yes ☒ No ☐
If no, explain where applicable

6. Are valves provided on the suction & discharge lines? Yes ☒ No ☐

Type: Discharge Ball check & Gate valves Suction N/A

7. Is an alarm system provided? Yes ☒ No ☐ Type _____

Indicate where audio/visual warning signals will be located mounted on service pole

8. Method of pump control Float Switches

9. Are the pumps protected from clogging? Yes ☐ No ☒ -Grinder Pumps

Method of cleaning Pump is completely removed from wetwell

Method of pump removal Slide Rail System Are lifting hooks/arms provided? Yes

Are permanent emergency piping bypass connections provided? Yes Is an emergency power supply available? No Describe station operation in an emergency (equipment, piping, bypass, etc.)

Bypass pumping with portable emergency pump.

11. Is the wastewater pump station located in a floodplain? Yes ☐ No ☒

Elevation of 100 year flood (MSL) _____ Elevation of 25 year flood (MSL) _____