

COVER LETTER.

6445 SW 107 TH ST
PINECREST, FL 33156
TO WHOM CONCERN:
THIS NOTES SERVES AS A REQUEST FOR APPROVAL OF THE ABOVE REFERENCED SITE FOR A PERFORMANCE BASE TREATMENT SYSTEM MEETING (ADVANCE SECONDARY TREATMENT).
STANDARDS FOR CBOD 5, TSS, TN, TP AND FECAL CONSISTING OF FUJI CLEAN CEN7 FUJI CLEAN CEN 7 WITH CHLORINATION/DECHLORINATION B-K M 2000 GD NORWECO

MONITORING REQUIREMENTS.

THE FUJI CLEAN CEN7 WHEN PROPERLY MAINTAINED AND OPERATED, CAN REDUCE EFFLUENT TO 20 mg/l OR LESS FOR CBOD 5, TSS AND TP AND 20 mg/l OR LESS FOR TN. FECAL COLIFORM SHALL BE SAMPLED FROM THE SAMPLING PORT. AS PER DOH MEMO #08-003.

SAMPLING FOR FECAL SHALL OCCUR QUARTERLY AND SHALL BE TAKEN FROM THE SAMPLING PORT. COVER VEGETATION SHALL BE ST. AUGUSTINE GRASS OR OTHER APPROVED VEGETATION. SAMPLING FOR CBOD 5, TSS, TN & TP SHALL BE TAKEN FROM THE SAMPLING PORT.

SYSTEM DESIGN CRITERIA.

CBOD5 ≤ 10 MG/L
TSS ≤ 10 MG/L
TN 50% removal Mg
TP 10 MG/L
FECAL ≤ 200 CFU

RESIDENCE: 700 GPD SEWAGE FLOW

DRAINFIELD AREA REQUIRED = 875 FT²
UNOBSTRUCTED AREA REQUIRED = 1,313 FT²

*SEE ATTACHED WITH ADDITIONAL DESIGN CALCULATIONS.

CONTINGENCY PLAN:

- AT THE HIGH WATER LEVEL, THE SYSTEM WILL START AN ALARM. THE OWNER MUST CONTACT THE MAINTENANCE ENTITY WITHIN 24 HOURS.
- MAINTENANCE ENTITY PERSONNEL WILL INSPECT THE SYSTEM AND MAKE NECESSARY REPAIRS.

OPERATION AND MAINTENANCE.

THE OPERATIONS AND MAINTENANCE MANUALS ARE PROVIDED TO THE INSTALLER AND MAINTENANCE ENTITY AT THE TIME OF INSTALLATION. THESE MANUALS HAVE MOSTLY LIKELY BEEN PREVIOUSLY SUBMITTED TO THE REGULATORY OFFICE.

INSTALLATION.

THE INSTALLATION INSTRUCTIONS WILL BE PROVIDED BY FUJI CLEAN.

OSTDS CALCULATIONS PER CHAPTER 62-6 F.A.C.

NET LOT SIZE = 39,204 FT² = 0.9 ACRES.
LAND USE: SFR
BUILDING AREA = 6,984 FT².

SEWAGE FLOW:
MAXIMUM SEWAGE LOADING ALLOWANCE = 2,500 GPD/ACRE (1,500 GPD/ACRE OR 2,500 GPD/ACRE).
AUTHORIZED SEWAGE FLOW = 2,500 GPD/ACRE X 0.9 ACRES = 2,250 GPD.
UNIT FLOW CRITERIA (PER TABLE 1): 6 BED, 6,984 SF A/C
SEWAGE FLOW PER UNIT FLOW = 700 GPD.
TOTAL SEWAGE FLOW = 700 GPD.

TREATMENT TANK AND DRAINFIELD:
PROPOSED SYSTEM: FUJI CLEAN CEN 7 WITH CHLORINATION/DECHLORINATION B-K M 2000 GD NORWECO
MINIMUM REQUIRED TREATMENT CAPACITY = 700 GPD (700 GLS TREATMENT TANK)
DRAINFIELD CONFIGURATION = TRENCH
DRAINFIELD TYPE = STANDARD
DRAINFIELD MATERIAL: CHAMBER ARC 24
MAXIMUM SEWAGE LOADING RATE FOR THE PROPOSED DRAINFIELD = 0.8 GAL/FT² DAY.
DRAINFIELD SIZE = 700 GPD / 0.8 GAL/FT² DAY = 875 FT² + 438 FT² RESERVE
TOTAL UNOBSTRUCTED A 1,313 FT²

SEPARATION BETWEEN THE SHWT AND BOTTOM OF THE DRAINFIELD (ELEVATION IN NGVD)
GRADE ELEVATN = 9.38 FT.
SEASONAL HIGH WATER TABLE ELEVATION = 4.0 FT.
ELEVATION AT THE BOTTOM OF THE DRAINFIELD = 7.0 FT.
SEPARATION BETWEEN SHWT AND BOTTOM OF DRAINFIELD = 36 INCHES.

DETERMINATION OF OSTDS TYPE AND STANDARDS PER SECTION 24-42.7

GROSS LOT SIZE = 43,567 FT² = 1 ACRES.
LAND USE: SFR
GROSS BUILDING AREA = 8,825 FT².
SEWAGE FLOW = 510 GPD.
SEWAGE LOADING = 510 GPD / 1 ACRES = 510 GPD/ACRE

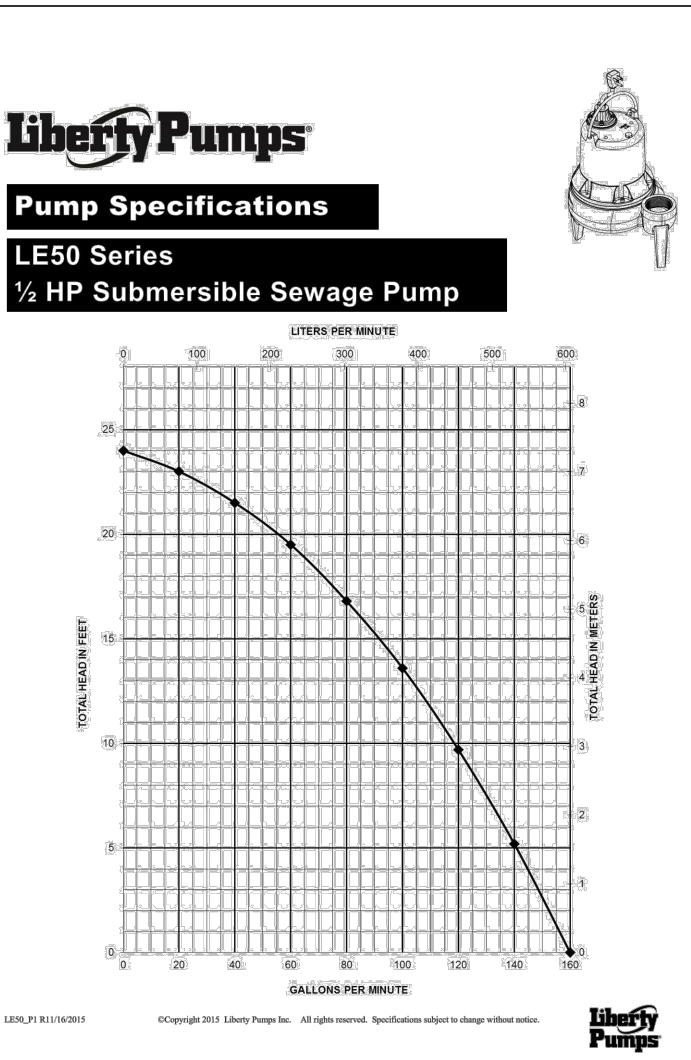
Y	N	CRITERIA FOR OSTDS TYPE SELECTION:
Y		PROPERTY WILL BE SERVED BY PUBLIC WATER.
Y		PROPERTY COMPLETELY OUTSIDE WELLFIELD PROTECTION AREA.
Y		SURFACE WATER BODIES BEYOND 1000 FEET.
Y		SEWAGE FLOW IS LESS THAN 500 GPD FOR SFR / DUPLEX.
Y		SEWAGE FLOW IS LESS THAN 1000 GPD FOR MULTI-FAMILY / OTHER USES.
N/A		
N		SEWAGE LOADING LESS THAN 500 GPD/ACRE.

Y	N	OTHER CONSIDERATIONS FOR OSTDS APPROVAL:
Y		SANITARY SEWERS NOT AVAILABLE, ABUTTING, OR OPERATIVE.
Y		SYSTEM WILL SERVE ONLY ONE LOT.
Y		PROPERTY LINES OVER 50 FEET FROM OSTDS FOR PROPERTIES SERVED BY A POTABLE WATER WELL.

TYPE OF SYSTEM REQUIRED: TYPE 3 ADVANCE SECONDARY TREATMENT.
TOTAL NITROGEN TREATED BY: FUJI CLEAN CEN 7
TOTAL PHOSPHORUS TREATED BY: 10 MG/L
FECAL COLIFORM TREATED BY: CHLORINATION AND DECHLORINATION, BK NORWECO/ M 2000CD.
SOURCE OF TREATMENT STANDARDS: FDEP TESTING PERFORMANCE DATA FOR PBTS.

TREATMENT STANDARDS		
POLLUTANT	REQUIRED (mg/L) (Annual Average)	PROPOSED (mg/L) (Annual Average)
CBOD5	≤ 10 mg/L	5 mg/L
TSS	≤ 10 mg/L	5 mg/L
TN	50% removal Mg/L	74% removal
TP	≤ 10 mg/L	10 MG/L
FECAL COLIFORM (cfu/100ml)	≤ 1000	2 CFU

Examined by: **Valdivieso, Jose** Date: **8/20/2024 12:30:48 PM** HRS Approved
Hernandez Acosta, Jesus Date: **8/13/2024 2:06:39 PM** OSTDS Approved



LESO-Series Electrical Data											
MODEL	HP	VOLTAGE	PHASE	BF	FULL LOAD AMPS	LOCKED ROTOR AMPS	TEMPERATURE OVERWIND TEMP.	STATOR WINDING CLASSE	CODE LETTER	DISCHARGE	AUTOMATIC
LESD-1	1/2	115	1	1.00	12	22.5	180°C	8	10	2"	NO
LESD-2	1/2	115	1	1.00	12	22.5	180°C	8	25	2"	NO
LESD-3	1/2	115	1	1.00	12	22.5	180°C	8	10	2"	NO
LESD-4	1/2	115	1	1.00	12	22.5	180°C	8	25	2"	NO
LESD-5	1/2	115	1	1.00	12	22.5	180°C	8	10	2"	NO
LESD-6	1/2	115	1	1.00	12	22.5	180°C	8	25	2"	NO
LESD-7	1/2	115	1	1.00	12	22.5	180°C	8	10	2"	NO
LESD-8	1/2	115	1	1.00	12	22.5	180°C	8	25	2"	NO
LESD-9	1/2	115	1	1.00	12	22.5	180°C	8	10	2"	NO
LESD-10	1/2	208-209	1	1.00	6.8	13	180°C	8	25	2"	NO
LESD-11	1/2	208-209	1	1.00	6.8	13	180°C	8	10	2"	NO
LESD-12	1/2	208-209	1	1.00	6.8	13	180°C	8	25	2"	NO
LESD-13	1/2	208-209	1	1.00	6.8	13	180°C	8	10	2"	NO
LESD-14	1/2	208-209	1	1.00	6.8	13	180°C	8	25	2"	NO
2 YEAR WARRANTY WARRANTY, AFTS, CTS (SEE PAGE 2) 2" BOLT(S) (MOUNTING)											
REPELLER	SOLUBLE MAGNETIC ROSE										
PAINT	POWDER COAT										
MAX OVERSPEED	80% RPM										
MAX ROTATION SPEED	180°/21°										
TEMPERATURE OVERWIND	180°C/215°										
POWER COAST TIME	3.0/2.7										
MOTOR SQUIRREL	CLASS B/CLASS F										
VOLTAJE	CLASS B/CLASS F										
STATOR WINDING	STAINLESS										
MATERIALS	STAINLESS										
COILS	STAINLESS										
MECHANICAL	REAL	DIN/ISO/CEI/UL/CSA/IEC/EN/BS									
WEIGHT	55.00										
LESO-Series Specifications											
LESA-100-120001 Copyright © 2014 Pump Corp. All Rights Reserved. Specifications Subject to Change without Notice.											
											