

ROY COOPER • Governor

KODY H. KINSLEY • Secretary

HELEN WOLSTENHOLME • Interim Deputy Secretary for Health

MARK T. BENTON • Assistant Secretary for Public Health

Division of Public Health

COMMON FORM FOR LICENSED SOIL SCIENTIST COVID-19 PERMIT OPTION FOR NON-ENGINEERED SYSTEMS

See Instructions for Use in Appendix A

Except for "Date received", this Section to be completed by the LSS in accordance with S.L. 2020-97, Section 3.19 and G.S. 130A-336.2

LHD USE ONLY: Initial submittal of this NOI received	ed:	by								
PART 1: Notice of Intent to Construct (NOI) - Please check all that apply										
☐ Single System or ☐ Multiple Systems										
AND										
☐ New ☐ Expansion ☐ Relocation of all or p	art of the Existing System	Relocation of Rep	pair Area							
Repair – LHD Permit Number	Repair – EOP/LSS COVID 19	/AOWE Permit Numb	er							
1. Facility Owner's name: (Owner, Company Nam	e, Utility, Partnership, Indi	vidual, etc.):								
Mailing address:	City:	State:	Zip:							
Telephone number:	E-mail Address:									
2. Licensed Soil Scientist (LSS) name:		LSS License number:_								
Mailing address:	City:	State:	_ Zip:							
Telephone number:	E-mail Address:									
3. Licensed Geologist (LG) (if applicable) name: _		License Number: _								
Mailing address:	City:	State:	Zip:							
Telephone number:	E-mail Address:									
4. Proof of Errors and Omissions or other approp	riate liability insurance for	the following persons	is attached							
that includes the name of the insurer, name of	the insured and the effect	ive dates of coverage	:							
☐ LSS ☐ LG										
5. Property location (physical address, tax parcel	identification number or su	ubdivision lot, block n	umber of the							
property to be permitted):										
County Name:										
6. Type of facility: Place of residence No.	Bedrooms: No	. Occupants:								
☐ Place of business Basis	s for flow calculation:									
Place of public assembly	Basis for flow calculation:									

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • DIVISION OF PUBLIC HEALTH

LOCATION: 5605 Six Forks Road, Raleigh, NC 27609

MAILING ADDRESS: 1642 Mail Service Center, Raleigh, NC 27699-1642

www.ncdhhs.gov • TeL: 919-707-5874 • FAX: 919-845-3972

7.	Factors that would affect the wastewater load:
8.	Type and located of proposed wastewater system:
9.	Design wastewater flow: gpd Design wastewater strength: domestic high strength industrial process (For industrial process
	wastewater, a Professional Engineer licensed in accordance with G.S. 89C shall design the on-site wastewater system.)
10.	A plat as defined in G.S. 130A-334(7a) is attached: Yes No
	A site plan as defined in G.S. 130A-334(13a) is attached: Yes No
11.	Location of proposed or existing wells (drinking water, irrigation, geothermal, groundwater monitoring,
	sampling, etc.) and any potable and non-potable water conveyance lines is indicated on attached plans and
	complies with 15A NCAC 18A .1950: Yes No
	This is a saprolite system.
12.	Evaluation(s) of soil conditions and site features in accordance with G.S. 130A-335(a1) signed and sealed by a
	LSS is attached: Yes No
13.	Evaluation of geologic and hydrogeologic conditions signed and sealed by a LG is attached Yes NA
14.	Proposed landscape, site, drainage, or soil modifications are attached: Yes NA
Att	estation by LSS pursuant to S.L. 2020-97, Section 3.19 and G.S. 130A-336.2
I, _	hereby attest that the information required to be included with
syst pro with	Licensed Soil Scientist (Print Name) Notice of Intent to Construct is accurate and complete to the best of my knowledge and that the proposed sem shall meet applicable federal, State, and local laws, regulations, rules and ordinances, and that the posed system does not require a Professional Engineer, licensed in accordance with G.S. 89C, and in accordance in 15A NCAC 18A .1938 and activities determined to be engineering as determined by the North Carolina Board examiners for Engineers and Surveyors.
 Sign	ature of Licensed Soil Scientist Date
Οw	ner self-submittal of NOI:
١, _	hereby submit this NOI prepared by
pur	suant to G.S. 130A-336.1.
Sign	ature of Owner Date

LHD Reference:

LHD Reference:	
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NOTES:

LIABILITY: The Department, the Department's authorized agents, or local health departments shall have no liability for wastewater systems designed, constructed, and installed pursuant to an LSS COVID-19 Permit Option [S.L. 2020-97, Section 3.19(d) and G.S. 130A-336.2(f)]

RIGHT OF ENTRY: The submittal of this **Notice of Intent to Construct** grants right of entry to the Local Health Department and the State to the referenced property.

ISSUANCE OF BUILDING PERMIT: Once the LHD deems that the Notice of Intent to Construct is complete via signature in the section below, the owner may apply to the local permitting agency for a permit for electrical, plumbing, heating, air conditioning or other construction, location, or relocation activity under any provision of general or special law pursuant to G.S. 130A-338.

.HD Reference:	

This section for Local Health Department use only.

PART 2: LHD Completeness Review of the Notice of Intent to Construct

"(c) Completeness Review for Notice of Intent to Construct. —The local health department shall determine whether the notice of intent to construct required pursuant to subsection (b) of this section is complete within five business days after receiving the notice of intent to construct. A determination of completeness means that the notice of intent to construct includes all of the required components. If the local health department determines that the notice of intent to construct is incomplete, the local health department shall notify the owner and list the information needed to complete the notice. The owner may then submit additional information to the local health department to cure the deficiencies in the initial notice. The local health department shall make a final determination as to whether the notice of intent to construct is complete within five business days after the department receives the additional information. If the local health department fails to act within any time period set out in this subsection, the owner may treat the failure to act as a determination of completeness. The owner shall be able to apply for the building permit for the project upon the decision of completeness of the notice of intent by the local health department or if the local health department fails to act within the five business day time period."

local health department fails to act within the five business day time period."
The review for completeness of this Notice of Intent was conducted in accordance with G.S. 130A-336.2(c). This NOI is determined to be:
INCOMPLETE (If box is checked, Information in this section is required.)
Based upon review of information submitted in Part 1, the following items are missing:
Copies of this form listing missing items were sent to the LSS and the Owner on
Date via with directions to re-submit missing items using Page 5 of this form.
Email, FAX, USPS, hand-delivered
Print Name of Authorized Agent of the LHD Signature of Authorized Agent of the LHD Date
COMPLETE (If box is checked, information in this section is required.)
Based upon review of information submitted in Part 1 of this form, this NOI is deemed COMPLETE.
Copies of this signed form were sent to the LSS and the Owner on via Date Email, FAX, USPS, hand-delivered
A copy of this NOI and tracking information was sent to the State on via Date Email, FAX, USPS, hand-delivered
Print Name of Authorized Agent of the LHD Signature of Authorized Agent of the LHD Date

LHD Reference:
ems included
ring LHD Completeness Review above. etter from the LSS.
by by
the information required to be included with
st of my knowledge and that the proposed ns, rules, and ordinances.
Date
tal of items noted as missing above.
t
conducted in accordance with G.S. 130A-
oove, this Notice of Intent remains INCOMPETE
·
via Date Email, FAX, USPS, Hand-delivered
Agent of the LHD Date
ove in addition to information provided in

Re-submittal of NOI with missing it

THE HEE ONLY: The Ave	Ol rocuborittal ac i i	L.	
LHD USE ONLY: This No	OI resubmittal received: _	by Date Init	tials
em # from initial NOI	Resubmittal descr	iption	
Attestation by LSS pursu	ant to S.L. 2020-97, Sectio	n 3.19	
, Licensed Soil Scien	 tist (Print Name)	hereby attest that the informa	ition required to be included wi
		omplete to the best of my know	wledge and that the proposed
		cal laws, regulations, rules, and	=
Signature of Licensed Soil Scient	 tist	 Date	
, ,			
The s	ection below is for Local Health Depo	artment use after submittal of items noted	as missina above.
		,	
LHD Follow-up Complete	ness Review of Notice of I	ntent to Construct	
This fall i fa			
336.2(c). This NOI is dete	-	ce and Intent was conducted in	n accordance with G.S. 130A-
330.2(c). This Not is dete	initia to be.		
☐ INCOMPLETE			
-			tice of Intent remains INCOMPE
because the following ite	ms from Part 1 of this forr	n remain missing:	
C		Laboration and the second seco	
Copies of this signed forn	n were sent to the LSS and		via mail, FAX, USPS, Hand-delivered
			, ,
Print name of authorized Age	ent of the LUD	ignature of authorized Agent of the LH	HD Date
	iit oj tile LHD 3	ignuture of untilorized Agent of the LH	Dute Dute
COMPLETE	ormation submitted in the	e RESUBMITTAL above in additi	ion to information provided in
Part 1 of this form, this N		RESORIVITIAL above ili additi	ion to imormation provided in
are 2 or ems form, ems re	or is decimed complete.		
Copies of this signed forn	n were sent to the LSS and	I the Owner onvi	ia Email, FAX, USPS, Hand-delivered
		Date	Email, FAX, USPS, Hand-delivered
A complete copy of this f	orm with tracking informa	tion was sent to the State:	
		D	Date Email, FAX, USPS, hand-delive
	nt of the LHD S	ignature of authorized Agent of the LH	

LHD Reference:	

PART 3: Authorization to Operate (ATO) Except for date received, the Section below is to be completed by the Owner. LHD USE ONLY: Initial submittal of request for ATO received: **Initials** Date of Post-construction Conference: The following items are included in this submittal for an Authorization to Operate under an LSS COVID-19 permit: 1. Signed and sealed copy of the LSS's report that includes the information in G.S. 130A-336.2(k) Yes 2. Operation and management program Yes 3. Fee (as applicable) Yes 4. Notarized letter documenting Owner's acceptance of the system from the LSS Yes 5. On-site Wastewater Contractor name: _____ License number: ______City: _______State: _____ Zip: ______ Mailing address: _____ Telephone number: ______ E-mail Address: _____ 6. Proof of Errors and Omissions or other appropriate liability insurance for the On-site Wastewater Contractor is attached and includes the name of the insurer, name of the insured, and the effective dates of coverage. Yes Attestation by the Owner for Authorization to Operate hereby attest that all items indicated above have been provided to the Print name of Owner County LHD and the system shall meet applicable federal, State, and local laws, regulations, rules, and ordinances. Signature of Owner This section for LHD Use Only. LHD Review of required information for the ATO INCOMPLETE Based upon review of information submitted in the Section above, the following items are missing from the information required for an Authorization to Operate for an LSS COVID-19 permit: Copies of this signed form were sent to the LSS and the Owner on Email, FAX, USPS, Hand-delivered Print name of authorized Agent of the LHD Signature of authorized Agent of the LHD Date COMPLETE Based upon review of information submitted in the Section above, this Authorization to Operate is hereby issued in accordance with G.S. 130A-336.2(m). A copy of this complete NOI/ATO with tracking information was sent to the State on via Date Email, FAX, USPS, Hand-delivered Print name of authorized Agent of the LHD Signature of authorized Agent of the LHD

ISSUANCE OF CERTIFICATE OF OCCUPANCY: Once the LHD determines completeness based upon the ATO submission, the owner may apply to the local permitting agency for permanent electrical service to a residence, place of business or place of public assembly pursuant to G.S. 130A-339.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 1/18/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to

	e terms and condi ertificate holder in						icies may require an endo	orseme	nt. A stateme	ent on this ce	rtificate does not co	onfer rights	to the
PROI	DUCER							CONTAC NAME:	CT Angela :	Sensenig			
Wad	e Associates,	LLC	!					PHONE (A/C, No	(252)	631-5269	FAX (A/C	No): ⁽²⁵²⁾⁶⁴⁹	-2443
250	Pollock St.							E-MAIL ADDRES	SS: asensen:	ig@wadeict		,, 140).	
									INS	URER(S) AFFOR	DING COVERAGE		NAIC #
New	Bern		NC	285	560			INSURE	RA: Auto-Ov	vners			18988
INSU	RED							INSURE	RB:Markel	Insurance	Company		38970
San	lee Environmer	ntal	LLC					INSURE	RC:				
235	Avents Ferry	Rd						INSURE	RD:				
								INSURE	RE:				
San	ford		NC	273	330-	9077		INSURE	RF:				
CO	/ERAGES			CER	TIFIC	CATE	NUMBER:21-22 Mast	er			REVISION NUMBER	R:	
IN CI	DICATED. NOTWITH ERTIFICATE MAY BE	ISTAN ISSU	NDING ANY ED OR MAY	REQU PER	JIREM TAIN, OLICI	IENT, THE II ES. LI	CE LISTED BELOW HAVE BEI TERM OR CONDITION OF AN NSURANCE AFFORDED BY T MITS SHOWN MAY HAVE BE	NY CONT THE POL	TRACT OR OTH LICIES DESCRI LUCED BY PAID	HER DOCUMEI BED HEREIN I CLAIMS.	NT WITH RESPECT TO	WHICH THIS	
INSR LTR	TYPE OF I	NSUR	ANCE			SUBR WVD	POLICY NUMBER		POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)		LIMITS	
	X COMMERCIAL GE	NERA	L LIABILITY								EACH OCCURRENCE	\$	1,000,000
A	CLAIMS-MAD	DE _	X OCCUR								DAMAGE TO RENTED PREMISES (Ea occurrence	ce) \$	300,000
							35761571		3/16/2021	3/16/2022	MED EXP (Any one persor	on) \$	10,000
											PERSONAL & ADV INJUR	RY \$	1,000,000
	GEN'L AGGREGATE LIM	/IT AP	PLIES PER:								GENERAL AGGREGATE	\$	2,000,000
	X POLICY PF	RO- CT	LOC								PRODUCTS - COMP/OP A	AGG \$	2,000,000
	OTHER:											\$	
	AUTOMOBILE LIABILIT	Υ									COMBINED SINGLE LIMIT (Ea accident)	Г \$	
	ANY AUTO										BODILY INJURY (Per pers	rson) \$	
	ALL OWNED AUTOS		SCHEDULEI AUTOS)							BODILY INJURY (Per acci	cident) \$	
	HIRED AUTOS		NON-OWNE AUTOS	D							PROPERTY DAMAGE (Per accident)	\$	
			7.0.00								,	\$	
	UMBRELLA LIAB		OCCUR								EACH OCCURRENCE	\$	
	EXCESS LIAB		CLAIMS-								AGGREGATE	\$	
	DED RETE	ENTIO	N \$		1							\$	
	WORKERS COMPENSAT	TION	*								PER O'STATUTE EF	OTH-	
	AND EMPLOYERS' LIAB ANY PROPRIETOR/PART		XECUTIVE	Y/N							E.L. EACH ACCIDENT	\$	
	OFFICER/MEMBER EXCL (Mandatory in NH)	UDED	?		N/A						E.L. DISEASE - EA EMPLO		
	If yes, describe under DESCRIPTION OF OPER	OITAS	NS helow								E.L. DISEASE - POLICY LII		
В	Errors & Omissi		to solow				MEO2044		3/16/2021	3/16/2022	General Aggregate		\$1,000,000
	DIDTION OF SECTION	10 / : -	0.4710.12.1		2 (: 5		4.4.199						
DESC	RIPTION OF OPERATION	IS / LC	CATIONS / VI	EHICLE	S (AC	ORD 10	11, Additional Remarks Schedule, m	ay be atta	ched if more spac	ce is required)			
CET	RTIFICATE HOLDE	- D						CANO	ELLATION				
CER	MIFICALE HOLDE	<u>-</u> K						SHO THE ACC	ULD ANY OF T	PATE THEREOF	SCRIBED POLICIES BE F, NOTICE WILL BE DEL Y PROVISIONS.	LIVERED IN) BEFORE
								N Whi	tsett/MB		M P.	16	

SanLee Environmental, LLC

Project: Lillington	DG				Date:	5/10/2022		
Address: TBD US 4	21 Hwy, Lillington,	NC						
County: Har	nett PIN	#		Water	Source:	Public		
# of Bedrooms:	NA Design	Daily Flow:	260	Waste S	trength:	Domestic		
		<u>Initi</u>	al System	<u>1</u>				
LTAR: 0.	4 Tr	ench Width:	3	Trench	Depth:	24"		
Min. ft of Drainfield:	108	_		Adjusted ft of Dra	infield:	117		
Septic Tank Size:	1200	Gallons		Pump Tank Size:	1200	Gallons		
Distribution Method:	Pressure Manifold	_	Specified Pro	oduct:	PPBPS			
Pretreatment 1	Required? No	<u>_</u>	An	nount of Soil Cover R	equired	NA		
2) Install when soils ar3) A time dosed control4) Preconstruction con5) Property lines and e	 Maintain all applicable setback to septic system components Install when soils are dry and rake trench sidewalls if any smearing occurs A time dosed control panel is requireded with the pressure manifold distribution of the PPBPS product Preconstruction conference required prior to installation Property lines and easements should remain clearly marked to ensure proper setbacks Risers must extend above grade on both the septic tank and pump tank 							
		Repa	air Systen	<u>n</u>				
LTAR:0.	<u>4</u> Tr	ench Width:	3	Trench	Depth:	24"		
Min. ft of Drainfield:	108	_		Adjusted ft of Dra	infield:	108		
Septic Tank Size:	1200	_Gallons		Pump Tank Size:	1200	Gallons		
Distribution Method:	Pressure Manifold	_	Specified Pro	oduct:	PPBPS			
Pretreatment 1	Required? No	_	An	nount of Soil Cover R	equired	NA		

Notes

- 1) Maintain all applicable setback to septic system components
- 2) Install when soils are dry and rake trench sidewalls if any smearing occurs

SanLee Environmental, LLC

Project: Lilling	gton DG			Date:	5/10/2022					
Address: TBD US 421 Hwy, Lillington, NC										
County:	Harnett PIN	[#	TBD	Water Source:	Public					
Line #	Flag Color	Elevation	Layout Line Length	System 1	System 2					
Septic Tank	•		<u> </u>		,					
Line 1	Blue		46	39						
Line 2			46	39						
Line 3			44	39						
Line 4			45		42					
Line 5			43		42					
Line 6			25		24					

PRESSURE MANIFOLD SEPTIC SYSTEM DESIGN (Initial/Primary)

Site Information

Applicants: Dollar General - Lillington Site Address: TBD Us 421 Hwy Lillington, NC

Design Information

Flow/Unit: 260 gpd over 10,600 sq ft

Design Daily Flow: 260 gal/day
L.T.A.R.: 0.4 gal/day/ft²

L.T.A.R. + 5%: 0.42 gal/day/ft² Trench Width: 3 ft.

Line Length Required: 108.3 ft.
Adjusted Line Length 117 ft. (50% Reduction Product)

L.T.A.R. Reduced: $0.7407407 \text{ gal/day/ft}^2$ L.T.A.R. Reduced + 5%: $0.778 \text{ gal/day/ft}^2$

DRAINFIELD INFO. - Initial (Primary)

Proposed Type of System/Distribution: PPBPS

	Flag	Line	Number of	Lateral	Flow/Foot	Line
Line No. (EL in ft)	Color	Length (ft.)	PPBPS Panels	Flow	(gpm/ft)	L.T.A.R.
1		39	9	7.11	0.182	0.741
2		39	9	7.11	0.182	0.741
3		39	9	7.11	0.182	0.741
TOTAL		117	27	21.33		

Note: Flow/tap estimate assumes 2.0 ft. of head.

Total Run Time = 12.19 min. # of PPBPS Panels = 27

Dose Volume = 86.6 gal/dose

Run Time/Dose = 4.1 min

Volume/depth = 21 gal/in (Dependent upon tank manufacturer, to be field verified)

Estimated Drawdown = 4.1 in.

PRESSURE MANIFOLD SEPTIC SYSTEM DESIGN (Repair)

Site Information

Applicants: Dollar General - Lillington Site Address: TBD Us 421 Hwy Lillington, NC

Design Information

Flow/Unit: 260 gpd over 10,600 sq ft

Design Daily Flow: 260 gal/day

L.T.A.R.: 0.4 gal/day/ft²

L.T.A.R. + 5%: 0.42 gal/day/ft² Trench Width: 3 ft.

Line Length Required: 108.3 ft.

Adjusted Line Length 108 ft. (50% Reduction Product)

L.T.A.R. Reduced: 0.8024691 gal/day/ft²

L.T.A.R. Reduced + 5%: 0.843 gal/day/ft²

DRAINFIELD INFO. - Initial (Primary)

Proposed Type of System/Distribution: PPBPS

	Flag	Line	Number of	Lateral	Flow/Foot	Line
Line No. (EL in ft)	Color	Length (ft.)	PPBPS Panels	Flow	(gpm/ft)	L.T.A.R.
4		42	10	10.10	0.240	0.812
5		42	10	10.10	0.240	0.812
6		24	6	5.48	0.228	0.771
TOTAL		108	26	25.68		

Note: Flow/tap estimate assumes 2.0 ft. of head.

Total Run Time = 10.12 min.

of PPBPS Panels = 26

Dose Volume = 86.7 gal/dose

Run Time/Dose = 3.4 min

Volume/depth = 21 gal/in (Dependent upon tank manufacturer, to be field verified)

Estimated Drawdown = 4.1 in.

PUMP DESIGN

Applicants: Dollar General - Lillington

Site Address: TBD Us 421 Hwy

Lillington, NC

Friction Losses

	Suction Head =	0 ft.	(submersible = 0)
Elev. Difference (h	ighest point from pump) =	10.00 ft.	
De	esign Pressure At Outlet =	2 ft.	
Supply Line - 2" Schedule 4	10 PVC from Pump to Ma	nifold	
Pipe Diameter (ID) =	2.047 in.	Flow =	21.33 gpm
Pipe Length =	<mark>70</mark> ft.	Velocity =	2.08 ft/sec
Pipe Length for Fittings =	<mark>70</mark> ft.		
Es	st. Friction Loss per 100' =	0.87 ft/10	00 ft.
	Estimated Friction Loss =	1.22 ft.	
Friction Los	s - Taps/Special Fittings =	3.5 ft.	
	SUB-TOTAL =	16.72 ft.	
Fric	etion Loss - Fittings (5%) =	0.84 ft.	
	TOTAL =	17.56 ft.	

Flow for Anti-Siphon Hole

Hole Diameter = 5/32 in. Hole Flowrate = 1.21 gpm

Pump Efficiency = 0.7 (assumed, typical)
Motor Efficiency = 0.9 (assumed for electric pumps)
Flow = 22.54 gpm

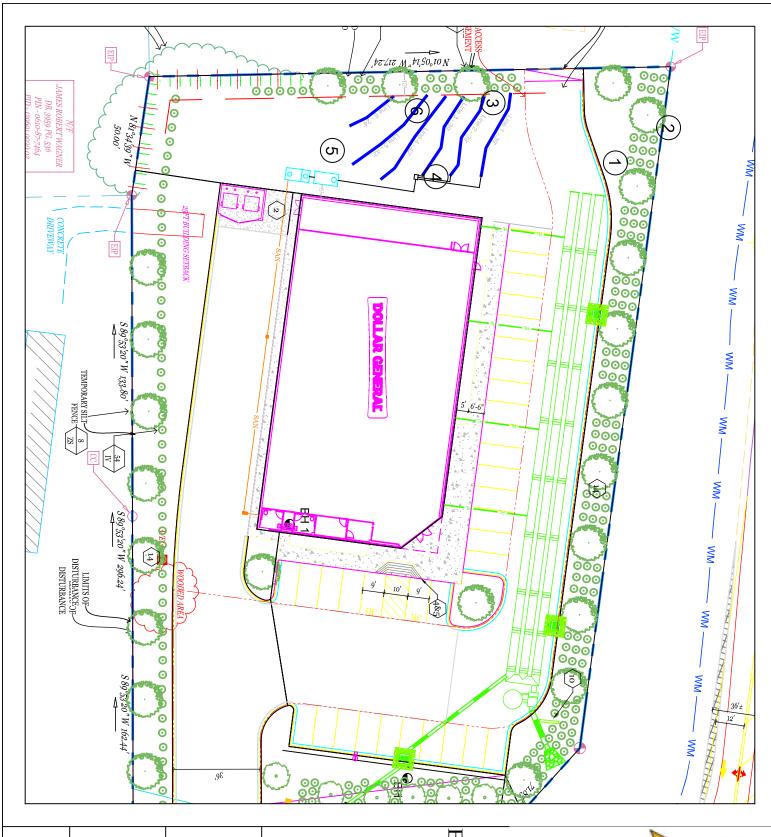
Required Horsepower = 0.16 hp
TDH = 17.56 ft.

Recommeded Pump: Zoeller N98

Soil Notes

Name	Horizon 1	Horizon 2	Horizon 3	Horizon 4
WPT 6	0-17 l gr fr nsnp sexp	17-38 sl gr fr nsnp sexp	38-48 scl wsbk fr sssp sexp	
WPT 5	0-13 fill	13-34 sl gr fr nsnp sexp	34-41 scl wsbk fr sssp sexp	41+ scl wsbk fr sssp sexp 10yr 7/1
WPT 4	0-18 l gr fr nsnp sexp	18-35 sl gr fr nsnp sexp	35-48 scl wsbk fr sssp sexp	
WPT 3	0-17 l gr fr nsnp sexp	17-43 sl gr fr nsnp sexp	43-48 scl wsbk fr sssp sexp	
WPT 2	0-26 l gr fr nsnp sexp	26-41 scl wsbk fr sssp sexp	41+ scl wsbk fr sssp sexp 10yr 7/2	
WPT 1	0-29 l gr fr nsnp sexp	29-48 scl wsbk fr sssp sexp		

Name	LTAR	Restrictive Layer	Slope	Soil Depth
WPT 6	0.45		4	48
WPT 5	0.4	swc	4	41
WPT 4	0.5		4	48
WPT 3	0.5		5	48
WPT 2	0.45	swc	5	41
WPT 1	0.45		4	48



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SanLee Environmental, LLC 919-842-6263

Project:

Dollar General US 421 Lillington, NC

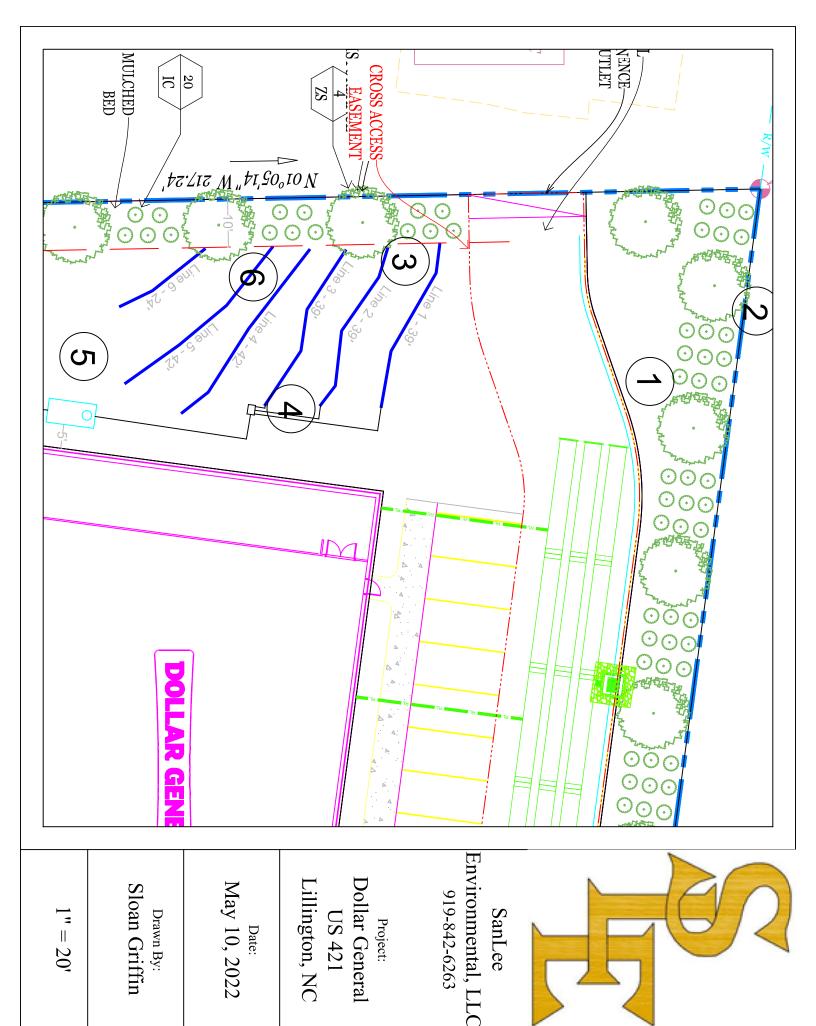
Date:

May 10, 2022

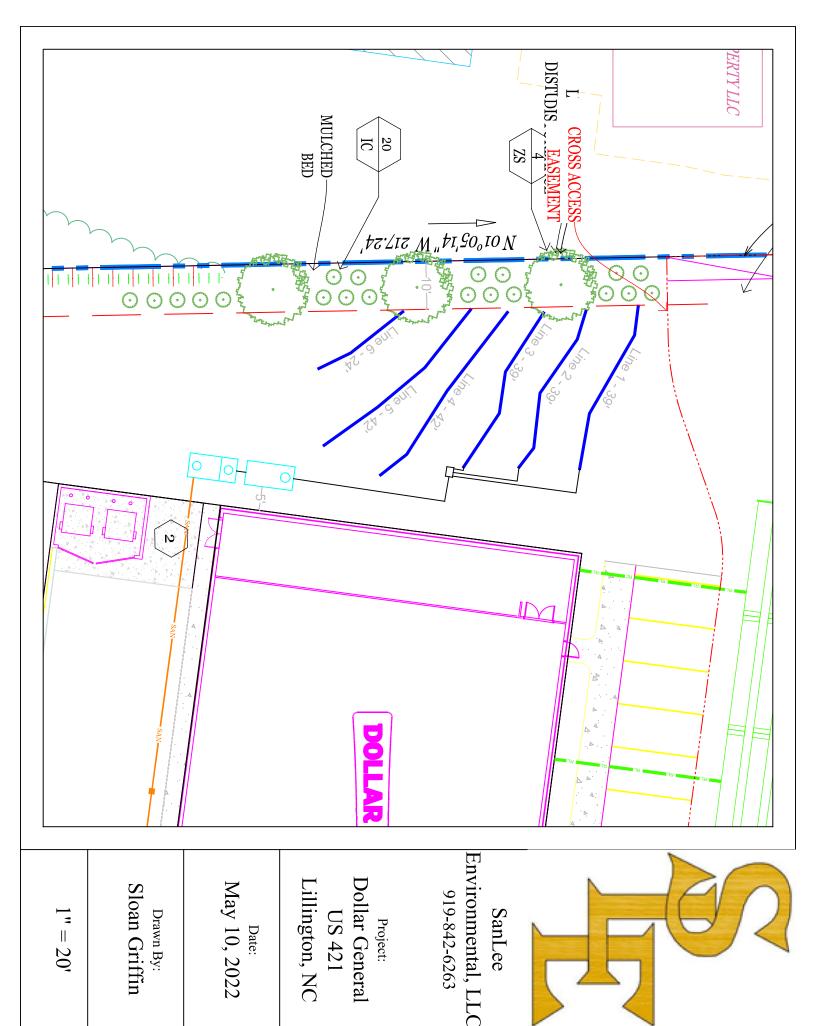
Drawn By:

Sloan Griffin

1" = 40'

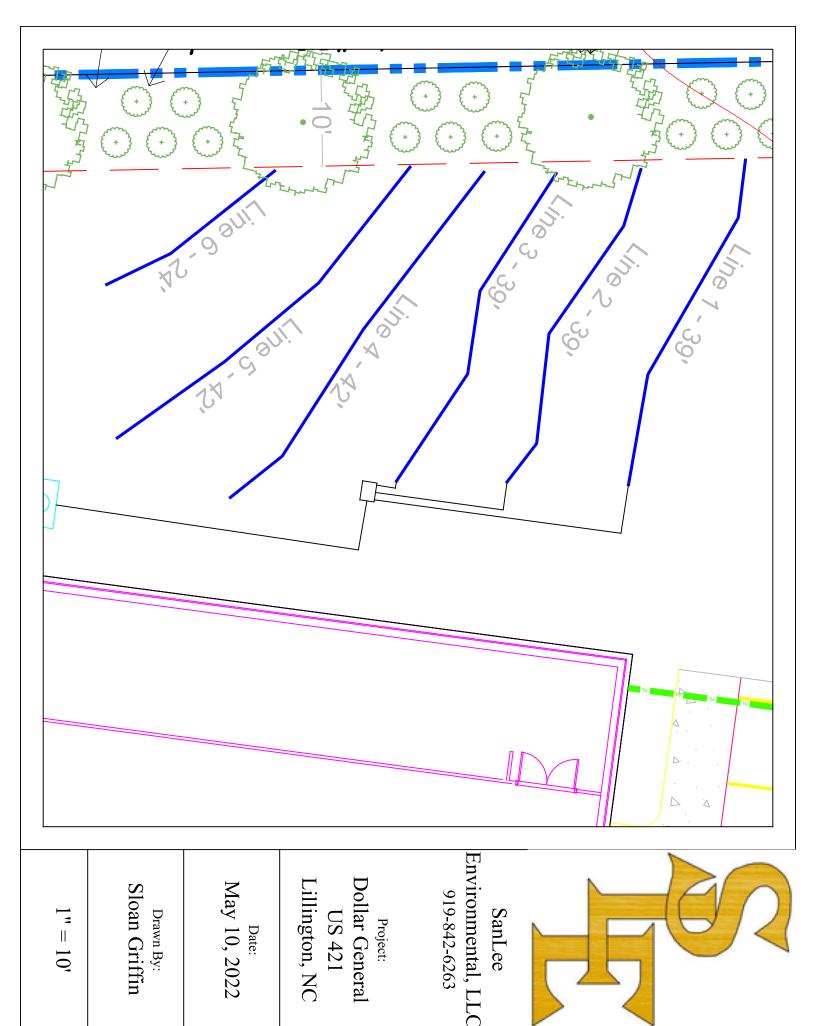


1" = 20'



1" = 20'

Date: May 10, 2022



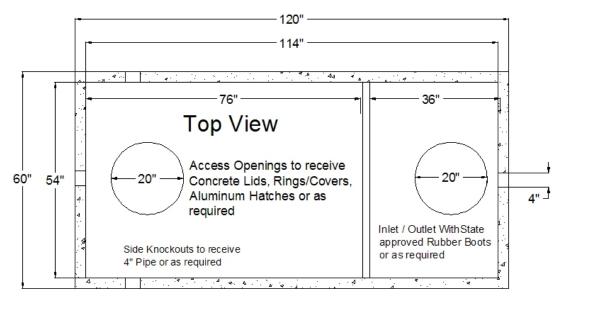
SanLee

Date: May 10, 2022

Drawn By:

Sloan Griffin

1" = 10'



STB - 346 - Top Seam

Date: 12-09-99

Liquid Capacity 1250 Gallons

Non Traffic Rated

Reinforcing Schedule: # 3 Grade 60 Rebar 4500 PSI Concrete w/ State Approved Structural Fiber 2.85 yds. *Est. Weight 11,500 lbs.*

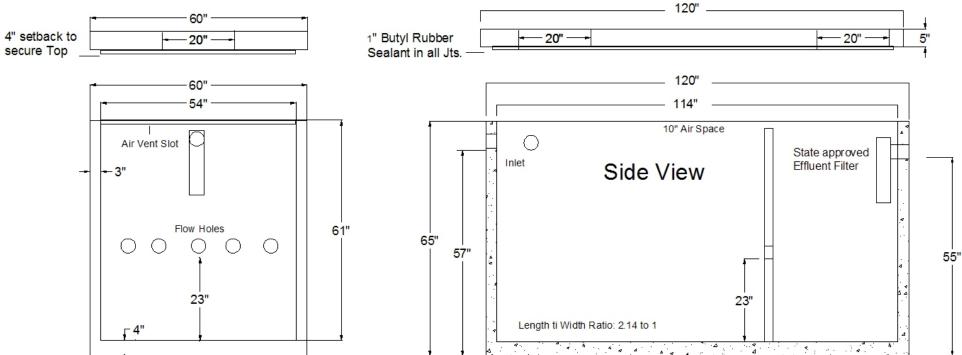
Manufactured By:

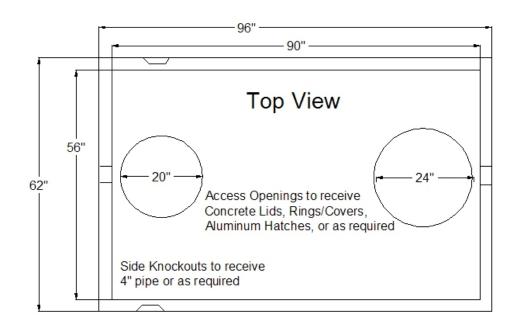


Eddie Garner, President 919-718-5181

121 Stanton Hill Road Carthage, NC 28327

ge, NC 28327 Fax 919-775-2229 Eddie@garnersseptictanks.com





PT - 213 Top seam

Date: 08-18-93 Non Traffic Rated

Liquid Capacity 1,211 Gallons

Reinforcing Schedule: #3 Grade 60 Rebar 4500 PSI Concrete w/ State Approved Structural Fiber 2.5 yds. Est. Weight 8,900 lbs. 19 gals. per in.

Manufactured By:

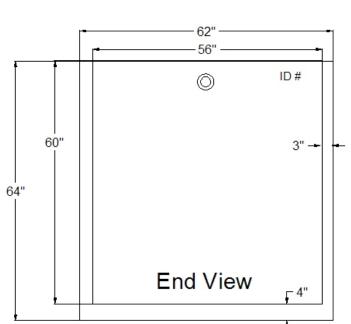


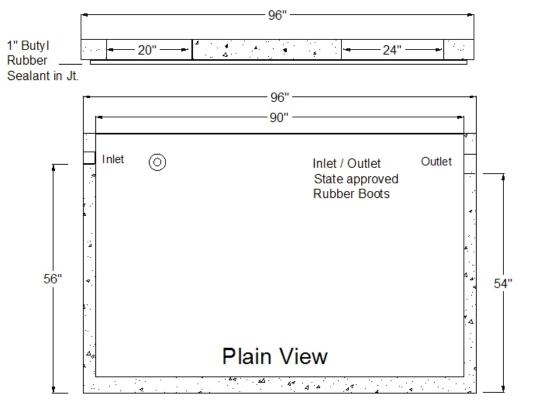
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ge, NC 28327 Fax 919-775-2229 Eddie@garnersseptictanks.com

4" setback to secure Tank Top — 62" 5"





Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



SECTION: 2.15.050FM2779
1120
Supersedes
0619

TECHNICAL DATA SHEET FLOW-MATE SERIES Model 98 Submersible Effluent/Dewatering Pump

PRODUCT SPECIFICATIONS

Horse Power Voltage Phase 1 Ph Hertz 60 Hz RPM 1725 Type Permanent split capacitor Insulation Class B Amps 4.7 - 9.4 Operation Automatic or nonautomatic Auto On/Off Points 9 -1/2" (24 cm) / 3" (7.6 cm) Discharge Size 1 -1/2" NPT Solids Handling 1/2" (13 mm) spherical solids Cord Length Cord Type UL listed Max. Head 23' (7 m) Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. 130° F (54° C) Cooling Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Pump Housing Cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Motor Shaft AISI 1215 cold rolled steel			
Phase 1 Ph Hertz 60 Hz RPM 1725 Type Permanent split capacitor Insulation Class B Amps 4.7 - 9.4 Operation Automatic or nonautomatic Auto On/Off Points 9-1/2" (24 cm) / 3" (7.6 cm) Discharge Size 1-1/2" NPT Solids Handling 1/2" (13 mm) spherical solids Cord Length 15' (5 m) standard Cord Type UL listed Max. Head 23' (7 m) Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. 130° F (54° C) Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Pump Housing Cast iron Discharge Size 1-1/2" NPT Solids Handling 1/2" (13 mm) spherical solids Cord Length 15' (5 m) standard Cord Type UL listed Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. 130° F (54° C) Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Pump Housing Cast iron Pump Housing Cast iron Pump Housing Cast iron Di-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel		Horse Power	1/2
Hertz 60 Hz RPM 1725 Type Permanent split capacitor Insulation Class B Amps 4.7 - 9.4 Operation Automatic or nonautomatic Auto On/Off Points 9-1/2" (24 cm) / 3" (7.6 cm) Discharge Size 1-1/2" NPT Solids Handling 1/2" (13 mm) spherical solids Cord Length 15' (5 m) standard Cord Type UL listed Max. Head 23' (7 m) Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. 130° F (54° C) Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel		Voltage	115 or 230
Insulation Class B Amps 4.7 - 9.4 Operation Automatic or nonautomatic Auto On/Off Points 9-1/2" (24 cm) / 3" (7.6 cm) Discharge Size 1-1/2" NPT Solids Handling 1/2" (13 mm) spherical solids Cord Length 15' (5 m) standard Cord Type UL listed Max. Head 23' (7 m) Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. 130° F (54° C) Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Pump Housing Cast iron Di-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel	<u>«</u>	Phase	1 Ph
Insulation Class B Amps 4.7 - 9.4 Operation Automatic or nonautomatic Auto On/Off Points 9-1/2" (24 cm) / 3" (7.6 cm) Discharge Size 1-1/2" NPT Solids Handling 1/2" (13 mm) spherical solids Cord Length 15' (5 m) standard Cord Type UL listed Max. Head 23' (7 m) Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. 130° F (54° C) Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Pump Housing Cast iron Di-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel	2	Hertz	60 Hz
Insulation Class B Amps 4.7 - 9.4 Operation Automatic or nonautomatic Auto On/Off Points 9-1/2" (24 cm) / 3" (7.6 cm) Discharge Size 1-1/2" NPT Solids Handling 1/2" (13 mm) spherical solids Cord Length 15' (5 m) standard Cord Type UL listed Max. Head 23' (7 m) Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. 130° F (54° C) Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Pump Housing Cast iron Di-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel	<u>0</u>	RPM	1725
Amps 4.7 - 9.4 Operation Automatic or nonautomatic Auto On/Off Points 9-1/2" (24 cm) / 3" (7.6 cm) Discharge Size 1-1/2" NPT Solids Handling 1/2" (13 mm) spherical solids Cord Length 15' (5 m) standard Cord Type UL listed Max. Head 23' (7 m) Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. 130° F (54° C) Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel	≥	Туре	Permanent split capacitor
Operation Automatic or nonautomatic Auto On/Off Points 9-1/2" (24 cm) / 3" (7.6 cm) Discharge Size 1-1/2" NPT Solids Handling 1/2" (13 mm) spherical solids Cord Length 15' (5 m) standard Cord Type UL listed Max. Head 23' (7 m) Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. 130° F (54° C) Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Type Engineered plastic Hardware Stainless steel		Insulation	Class B
Auto On/Off Points 9-1/2" (24 cm) / 3" (7.6 cm) Discharge Size 1-1/2" NPT Solids Handling 1/2" (13 mm) spherical solids Cord Length 15' (5 m) standard Cord Type UL listed Max. Head 23' (7 m) Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. 130° F (54° C) Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel		Amps	4.7 - 9.4
Discharge Size Solids Handling 1/2" (13 mm) spherical solids Cord Length 15' (5 m) standard Cord Type UL listed Max. Head 23' (7 m) Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. 130° F (54° C) Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel		Operation	Automatic or nonautomatic
Solids Handling Cord Length Cord Type UL listed Max. Head 23' (7 m) Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. Cooling Oil filled Motor Protection Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel		Auto On/Off Points	9-1/2" (24 cm) / 3" (7.6 cm)
Cord Length Cord Type UL listed Max. Head 23' (7 m) Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel		Discharge Size	1-1/2" NPT
Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. 130° F (54° C) Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel		Solids Handling	1/2" (13 mm) spherical solids
Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. 130° F (54° C) Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel	₽	Cord Length	15' (5 m) standard
Max. Flow Rate 72 GPM (273 LPM) Max. Operating Temp. 130° F (54° C) Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel		Cord Type	UL listed
Max. Operating Temp. 130° F (54° C) Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel	 	Max. Head	23' (7 m)
Cooling Oil filled Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel		Max. Flow Rate	72 GPM (273 LPM)
Motor Protection Auto reset thermal overload Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel		Max. Operating Temp.	130° F (54° C)
Cap Cast iron Motor Housing Cast iron Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel		Cooling	Oil filled
Motor Housing Cast iron Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel		Motor Protection	Auto reset thermal overload
Pump Housing Cast iron Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel		Сар	Cast iron
Base Engineered thermoplactic Upper Bearing Oil-fed cast iron Lower Bearing Oil-fed cast iron Mechanical Seals Carbon and ceramic Impeller Type Non-clogging vortex Impeller Engineered plastic Hardware Stainless steel		Motor Housing	Cast iron
Hardware Stainless steel		Pump Housing	Cast iron
Hardware Stainless steel	ဟု	Base	Engineered thermoplactic
Hardware Stainless steel	A	Upper Bearing	Oil-fed cast iron
Hardware Stainless steel	E	Lower Bearing	Oil-fed cast iron
Hardware Stainless steel	▎╙	Mechanical Seals	Carbon and ceramic
Hardware Stainless steel	_₹	Impeller Type	Non-clogging vortex
	Σ	Impeller	Engineered plastic
Motor Shaft AISI 1215 cold rolled steel		Hardware	Stainless steel
		Motor Shaft	AISI 1215 cold rolled steel
Gasket Neoprene		Gasket	Neoprene

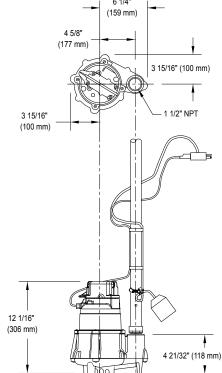
12-1/16"
(306 mm)

12-1/2" NPT

4-21/32" (118 mm) 98 automatic SK1102

— 6-1/4" (159 mm)

-3-7/8"



NOTE: See model comparison chart for specific details.



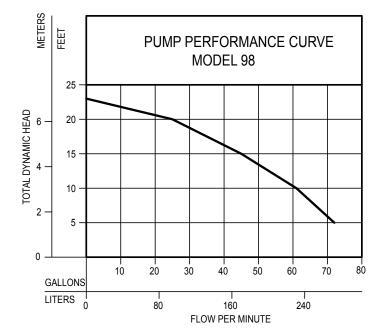






TOTAL DYNAMIC HEAD FLOW PER MINUTE

MOI	DEL	9	8
Feet	Meters	Gal.	Liters
5	1.5	72	273
10	3.0	61	231
15	4.6	45	170
20	7.1	25	95
Shut-of	f Head:	23 ft.(7.0m)



009971

Model	MODEL COMPARISON										
Wiodei	Seal	Mode	Volts	Ph	Amps	HP	Hz	Lbs	Kg	Simplex	Duplex
M98	Single	Auto	115	1	9.4	1/2	60	36	16	1	4
N98	Single	Non	115	1	9.4	1/2	60	36	16	2 or 3	4
D98	Single	Auto	230	1	4.7	1/2	60	36	16	1	4
E98	Single	Non	230	1	4.7	1/2	60	35	16	2 or 3	4
BN98	Single	Auto	115	1	9.4	1/2	60	37	17	*	
BE98	Single	Auto	230	1	9.4	1/2	60	40	18	*	

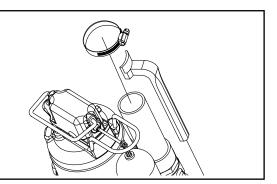
^{*}BN and BE models include a 20' (6 m) piggyback variable level pump switch. Additional cord lengths are available in 25' (8 m) and 35' (11 m). 50' (15 m) cords are available for 230 V units only.

SELECTION GUIDE

- 1. Integral float-operated mechanical switch, no external control required.
- 2. For automatic, use single piggyback variable level float switch or double piggyback variable level float switch. Refer to FM0477.
- 3. See FM1228 for correct model of simplex control panel.
- 4. See FM0712 for correct model of duplex control panel or FM1663 for a residential alternator system.

OPTIONAL PUMP STAND P/N 10-2421

- Reduces potential clogging by debris
- Replaces rocks or bricks under the pump
- Made of durable, noncorrosive ABS
- Raises pump 2" (5 cm) off bottom of basin
- Provides the ability to raise intake by adding sections of 1½" or 2" (DN40 or DN50) PVC piping
- Attaches securely to pump
- Accommodates sump, dewatering and effluent applications NOTE: Make sure float is free from obstruction.

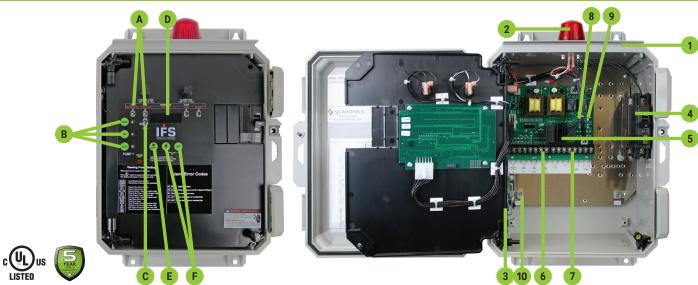


▲ CAUTION

All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

INSTALLER FRIENDLY SERIES® (IFS) SINGLE PHASE SIMPLEX

Demand Dose or Timed Dose, Float or C-Level™ Sensor Controlled System for Pump Control and System Monitoring



Panel layout may vary with options. Reg. Cdn Pat. & TM Off

C-Level™ Sensor US Patent No. 8,336,385; 8,567,242; 8,650,949

The IFS simplex control panel utilizes an innovative circuit board design to control one 120/208/240V single phase pump in water and sewage applications. IFS panels feature an easy-to-use touch pad on inner door for programming and system monitoring. The panel configuration can be easily converted in the field to either a timed dose or demand dose. Available with the EZconnex® float system.

The panel can utilize the C-Level™ sensor for continuous level monitoring. It senses the level in the tank and sends a signal to the panel. Pump activation levels can be adjusted by using the panel touch pad. C-Level™ CL40 sensor operating range is 3-39.9 inches (7.6-101.3 cm). C-Level™ CL100 operating range is 3-99.5 inches (7.6-252.7 cm).

TOUCH PAD FEATURES

- Level Status indicators illuminate when floats or set points are activated; alarm will activate if a float operates out of sequence
- HOA (Hand-Off-Automatic) buttons control pump mode with indication; hand mode defaults to Automatic when stop level or redundant off level is reached
- C. Pump Run indicator illuminates when pump is called to run
- D. LED Display for system information including: level in inches or centimeters (C-Level™ only), mode, pump elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), and ON/OFF times (timed dose only)
- E. NEXT push button toggles display
- F. UP and SET Push Buttons set pump ON/OFF times (timed dose only) or activation levels (C-Level™ only)

SJE RHOMBUS.

COMPONENTS

- Enclosure measures 12 x 10 x 6 inches (30.48 x 24.4 x 15.24) NEMA 4X (ultraviolet stabilized thermoplastic, padlockable with integral mounting flanges, drip shield, (2) heavy duty cover latches, and stainless steel ¼ turn set screw; for outdoor or indoor use)
- Red LED beacon provides 360° visual check of alarm condition
- 3. Alarm horn provides audio warning of alarm condition (83 to 85 decibel rating)
- Circuit breaker (optional) provides pump disconnect and branch circuit protection
- Power relay controls pump by switching electrical lines; definite purpose contactor used when pump full load amps are above 15
- 6. Float connection terminal block
- 7. Incoming control/alarm power & pump terminal block
- Control Power Indicator/Fuse indicator light illuminates if control power is present in panel; alarm will activate if control fuse is blown
- Alarm Power Indicator/Fuse indicator light illuminates if alarm power is present in panel
- 10. Ground lug
- Exterior Alarm Test/Normal/Silence switch allows horn and light to be tested and horn to be silenced in an alarm condition; alarm automatically resets once alarm condition is cleared (not shown)

Note: Added options, voltage, and amp range selected may change enclosure size and enclosure features, and component layout.

Note: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel.







INSTALLER FRIENDLY SERIES® SINGLE PHASE SIMPLEX - Demand or timed dose float controlled system for pump control and system monitoring.

system monitoring				
IFS			1 W	8AC10E
	DEL PE	F	ALARM ENCLOSURE STARTING PUMP FULL PUMP PACKAGE RATING DEVICE LOAD AMPS DISCONNECTS APPLICATION	
CONTROL PANEL	1	IFS		
MODEL TYPE		1	Simplex Timed Dose (includes Options 8AC and 10E as standard)	IFS Simplex Base Price
MODEL TYPE		2	Simplex Demand Dose (includes Options 8AC and 10E as standard)	
ALARM PACKAGE	1	1	Alarm Package (includes test/normal/silence switch, fuse, red light, & horn)	Alarm Package
ENCLOSURE RATING	1	W	Weatherproof, NEMA 4X (engineered thermoplastic)	
STARTING DEVICE		1	120/208/240V	Enclosure Rating
STARTING DEVICE		9	120V only	
DUMD FULL		0	0-7 FLA	Starting Device
PUMP FULL Load Amps		1	7-15 FLA	
		2	15 - 20 FLA	Pump Full Load Amps
PUMP		0	No Pump Disconnect	
DISCONNECTS		4	Circuit Breaker 120V (select STARTING DEVICE Option 9 above)	Pump Disconnects
			Circuit Breaker 120/208/240V (select STARTING DEVICE Option 1 above)	

Timed dose = timer enable and alarm / Demand dose=stop, start, and alarm

C-Level™ Sensor (select Option 24 or 29) Select Option 3E and/

or 4A & 4D for high water alarm and/or redundant off floats

NOTE: Pump down applications only. Industry practices suggest that a secondary device, such as a float switch, be used for redundant activation of the high level alarm and pump shut off when using the C-Level™ sensor.

Floats - Pump Down (select Option 17 below)

EZconnex® Float Switch System

(select Option 33, 35 or 36 below)

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Χ

С

No Floats

FLOAT SWITCH APPLICATION

	OPTIONS	DESCRIPTION			OPTIONS	DESCRIPTION
	1J	Duo Alarm Inputs			17C	Sensor Float® / Internally Weighted (per Float) - Mercury
	3A	Alarm Flasher			17D	Sensor Float® / Externally Weighted (per Float) - Mercury
	3B	Manual Alarm Reset			17G	SJE MilliAmpMaster™ / Pipe Clamp (per Float) - Mechanical
	3E	ligh Water Alarm Float (must also select Option 17) Only Available with Float Switch Application = C			17H	SJE MilliAmpMaster™ / Externally Weighted (per Float) - Mechanical
	3E	Only Available with Float Switch Application = C	,		17J	Sensor Float® / Pipe Clamp (per Float) - Mercury
	4A	Redundant Off	Timed Dose		18A	Timer Override Float (Timed Dose Float Panel Only)
	4A	(must also select Option 4D if floats are required)	Demand Dose		24E	C-Level™ CL40 Sensor with 4' Vent Tube and 20' Cord
	4D	Redundant Off Float (must also select Option 4A	and Option 17)		24F	C-Level™ CL40 Sensor with 4' Vent Tube and 40' Cord
	6A	Auxiliary Alarm Contact, Form C			24G	C-Level™ CL40 Sensor with 8' Vent Tube and 20' Cord
		Display Roard - Includes: ETM Counter Events (Cycles) Counter		24H	C-Level™ CL40 Sensor with 8' Vent Tube and 40' Cord
1	8AC	Display Board - Includes: ETM Counter, Events (C Alarm Counter, and Override Counter (Timed Dos (included as standard)	se Only)		24X	No C-Level™ CL40 Sensor
		(included as standard)			29A	C-Level™ CL100 Sensor with 10' Vent Tube and 20' Cord
1	10E	Lockable Latch - NEMA 4X (included as standard	tch - NEMA 4X (included as standard)			C-Level™ CL100 Sensor with 10' Vent Tube and 40' Cord
	10F	Lightning Arrestor (select pump circuit breaker, control and alarm power combined)			29X	No C-Level™ CL100 Sensor
	105	alarm power combined)			33D	EZconnex® 3-Port, 25', with 10' Floats (3) / Pipe Clamp
	10K	Anti-condensation Heater			33E	EZconnex® 3-Port, 50', with 10' Floats (3) / Pipe Clamp
	11C	Additional NEMA 1 Remote Alarm Panel (must also s	elect Option 6A)		33G	EZconnex® 3-Port, 25', with 20' Floats (3) / Pipe Clamp
	11D	Additional NEMA 4X Remote Alarm Panel (must also	select Option 6A)		33H	EZconnex® 3-Port, 50', with 20' Floats (3) / Pipe Clamp
	15A	Control/Alarm Circuit Breaker			35D	EZconnex® 4-Port, 25', with 10' Floats (4) / Pipe Clamp
	16A	10' Cord in Lieu of 20' Cord (per Float)			35E	EZconnex® 4-Port, 50', with 10' Floats (4) / Pipe Clamp
	16B	15' Cord in Lieu of 20' Cord (per Float)			35G	EZconnex® 4-Port, 25', with 20' Floats (4) / Pipe Clamp
	16C	30' Cord in Lieu of 20' Cord (per Float)			35H	EZconnex® 4-Port, 50', with 20' Floats (4) / Pipe Clamp
	16D	40' Cord in Lieu of 20' Cord (per Float)			36D	EZconnex® 3-Port, 25', with 10' Floats (2) / Pipe Clamp, Sealing Plug
					36E	EZconnex® 3-Port, 50', with 10' Floats (2) / Pipe Clamp, Sealing Plug
				П	36G	EZconnex® 3-Port, 25', with 20' Floats (2) / Pipe Clamp, Sealing Plug
					36H	EZconnex® 3-Port, 50', with 20' Floats (2) / Pipe Clamp, Sealing Plug

■ EZconnex® mechanically-activated, narrow angle float switches with quick release connections



Float Switch Application

Total Options

TOTAL LIST PRICE _

Timed Dose

Timed Dose

Timed Dose

Demand Dose

Demand Dose

Demand Dose

Design Flow:	260	Pump Run Time:	4 min 4 sec
Length of Drainfield:	117	Pump Off Time:	7hr 55m 56sec
% Dose Volue	113%	Pump Submergence Vol:	421
Design Dose Volume:	86.06871	Storage Volume:	256
Measured Delivery Rate:	21.33	Emergency Volume:	260
Suggested Tank Size:	1200	Miminum Tank Size:	937
Gallons/Inch:	21.07	Dose Drawdown (inches):	4.08

Week	Day	Hour	% of Flow	Inflow	Dose Volume	Storage
Week 1	Monday	1:00 AM		0		120
		2:00 AM		0		120
		3:00 AM		0		120
		4:00 AM		0		120
		5:00 AM		0		120
		6:00 AM		0		120
		7:00 AM		0		120
		8:00 AM	5.0%	13	86.06871	46.93129
		9:00 AM	6.0%	15.6		62.53129
		10:00 AM	6.0%	15.6		78.13129
		11:00 AM	6.0%	15.6		93.73129
		12:00 PM	6.0%	15.6		109.33129
		1:00 PM	6.0%	15.6		124.93129
		2:00 PM	6.0%	15.6		140.53129
		3:00 PM	7.0%	18.2		158.73129
		4:00 PM	7.0%	18.2	86.06871	90.86258
		5:00 PM	7.0%	18.2		109.06258
		6:00 PM	7.0%	18.2		127.26258
		7:00 PM	7.0%	18.2		145.46258
		8:00 PM	7.0%	18.2		163.66258
		9:00 PM	6.0%	15.6		179.26258
		10:00 PM	6.0%	15.6		194.86258
		11:00 PM	5.0%	13		207.86258
	Tuesday	12:00 AM		0	86.06871	121.79387
		1:00 AM		0		121.79387
		2:00 AM		0		121.79387
		3:00 AM		0		121.79387
		4:00 AM		0		121.79387
		5:00 AM		0		121.79387
		6:00 AM		0		121.79387
		7:00 AM		0		121.79387
		8:00 AM	5.0%	13	86.06871	48.72516
		9:00 AM	6.0%	15.6		64.32516
		10:00 AM	6.0%	15.6		79.92516
		11:00 AM	6.0%	15.6		95.52516
		12:00 PM	6.0%	15.6		111.12516
		1:00 PM	6.0%	15.6		126.72516

	2:00 PM	6.0%	15.6		142.32516
	3:00 PM	7.0%	18.2		160.52516
	4:00 PM	7.0%	18.2	86.06871	92.65645
	5:00 PM	7.0%	18.2		110.85645
	6:00 PM	7.0%	18.2		129.05645
	7:00 PM	7.0%	18.2		147.25645
	8:00 PM	7.0%	18.2		165.45645
	9:00 PM	6.0%	15.6		181.05645
	10:00 PM	6.0%	15.6		196.65645
	11:00 PM	5.0%	13.0		209.65645
Wednesday	12:00 AM	5.070	0	86.06871	123.58774
weunesday	1:00 AM		0	80.00871	123.58774
	2:00 AM		0		123.58774
	3:00 AM		0		123.58774
	4:00 AM		0		123.58774
	5:00 AM		0		123.58774
	6:00 AM		0		123.58774
	7:00 AM		0		123.58774
	8:00 AM	5.0%	13	86.06871	50.51903
	9:00 AM	6.0%	15.6		66.11903
	10:00 AM	6.0%	15.6		81.71903
	11:00 AM	6.0%	15.6		97.31903
	12:00 PM	6.0%	15.6		112.91903
	1:00 PM	6.0%	15.6		128.51903
	2:00 PM	6.0%	15.6		144.11903
	3:00 PM	7.0%	18.2		162.31903
	4:00 PM	7.0%	18.2	86.06871	94.45032
	5:00 PM	7.0%	18.2		112.65032
	6:00 PM	7.0%	18.2		130.85032
	7:00 PM	7.0%	18.2		149.05032
	8:00 PM	7.0%	18.2		167.25032
	9:00 PM	6.0%	15.6		182.85032
	10:00 PM	6.0%	15.6		198.45032
	11:00 PM	5.0%	13		211.45032
Thursday	12:00 AM		0	86.06871	125.38161
,	1:00 AM		0		125.38161
	2:00 AM		0		125.38161
	3:00 AM		0		125.38161
	4:00 AM		0		125.38161
	5:00 AM		0		125.38161
	6:00 AM		0		125.38161
	7:00 AM		0		125.38161
	8:00 AM	5.0%	13	86.06871	52.3129
	9:00 AM	6.0%	15.6	00.000/1	67.9129
	10:00 AM		15.6		
		6.0%			83.5129
	11:00 AM	6.0%	15.6		99.1129
	12:00 PM	6.0%	15.6		114.7129

	1:00 PM	6.0%	15.6		130.3129
	2:00 PM	6.0%	15.6		145.9129
	3:00 PM	7.0%	18.2		164.1129
	4:00 PM	7.0%	18.2	86.06871	96.24419
	5:00 PM	7.0%	18.2		114.44419
	6:00 PM	7.0%	18.2		132.64419
	7:00 PM	7.0%	18.2		150.84419
	8:00 PM	7.0%	18.2		169.04419
	9:00 PM	6.0%	15.6		184.64419
	10:00 PM	6.0%	15.6		200.24419
	11:00 PM	5.0%	13		213.24419
Friday	12:00 AM		0	86.06871	127.17548
	1:00 AM		0		127.17548
	2:00 AM		0		127.17548
	3:00 AM		0		127.17548
	4:00 AM		0		127.17548
	5:00 AM		0		127.17548
	6:00 AM		0		127.17548
	7:00 AM		0		127.17548
	8:00 AM	5.0%	13	86.06871	54.10677
	9:00 AM	6.0%	15.6		69.70677
	10:00 AM	6.0%	15.6		85.30677
	11:00 AM	6.0%	15.6		100.90677
	12:00 PM	6.0%	15.6		116.50677
	1:00 PM	6.0%	15.6		132.10677
	2:00 PM	6.0%	15.6		147.70677
	3:00 PM	7.0%	18.2		165.90677
	4:00 PM	7.0%	18.2	86.06871	98.03806
	5:00 PM	7.0%	18.2		116.23806
	6:00 PM	7.0%	18.2		134.43806
	7:00 PM	7.0%	18.2		152.63806
	8:00 PM	7.0%	18.2		170.83806
	9:00 PM	6.0%	15.6		186.43806
	10:00 PM	6.0%	15.6		202.03806
	11:00 PM	5.0%	13		215.03806
Saturday	12:00 AM		0	86.06871	128.96935
,	1:00 AM		0		128.96935
	2:00 AM		0		128.96935
	3:00 AM		0		128.96935
	4:00 AM		0		128.96935
	5:00 AM		0		128.96935
	6:00 AM		0		128.96935
	7:00 AM		0		128.96935
	8:00 AM	5.0%	13	86.06871	55.90064
	9:00 AM	6.0%	15.6	55.55571	71.50064
	10:00 AM	6.0%	15.6		87.10064
	11:00 AM	6.0%	15.6		102.70064
	11.00 AW	0.0%	13.0		102.70004

	12:00 PM	6.0%	15.6		118.30064
	1:00 PM	6.0%	15.6		133.90064
	2:00 PM	6.0%	15.6		149.50064
	3:00 PM	7.0%	18.2		167.70064
	4:00 PM	7.0%	18.2	86.06871	99.83193
	5:00 PM	7.0%	18.2	80.00871	118.03193
	6:00 PM	7.0%	18.2		136.23193
	7:00 PM	7.0%	18.2		154.43193
	8:00 PM	7.0%	18.2		172.63193
	9:00 PM	6.0%	15.6		188.23193
	10:00 PM	6.0%	15.6		203.83193
	11:00 PM	5.0%	13.0		216.83193
Sunday	12:00 AM	3.070	0	86.06871	130.76322
Suriday	1:00 AM		0	00.00071	130.76322
	2:00 AM		0		130.76322
	3:00 AM		0		130.76322
	4:00 AM		0		130.76322
	5:00 AM		0		130.76322
	6:00 AM		0		130.76322
	7:00 AM		0		130.76322
	8:00 AM	5.0%	13	86.06871	57.69451
	9:00 AM	6.0%	15.6	00.00071	73.29451
	10:00 AM	6.0%	15.6		88.89451
	11:00 AM	6.0%	15.6		104.49451
	12:00 PM	6.0%	15.6		120.09451
	1:00 PM	6.0%	15.6		135.69451
	2:00 PM	6.0%	15.6		151.29451
	3:00 PM	7.0%	18.2		169.49451
	4:00 PM	7.0%	18.2	86.06871	101.6258
	5:00 PM	7.0%	18.2	30.0007 =	119.8258
	6:00 PM	7.0%	18.2		138.0258
	7:00 PM	7.0%	18.2		156.2258
	8:00 PM	7.0%	18.2		174.4258
	9:00 PM	6.0%	15.6		190.0258
	10:00 PM	6.0%	15.6		205.6258
	11:00 PM	5.0%	13		218.6258
	12:00 AM	,-	0	86.06871	132.55709
	-		-		

Week	Day	Hour	% of Flow	Inflow	Dose Volume	Storage
Week 2	Monday	1:00 AM		0		132.55709
		2:00 AM		0		132.55709
		3:00 AM		0		132.55709
		4:00 AM		0		132.55709
		5:00 AM		0		132.55709
		6:00 AM		0		132.55709
		7:00 AM		0		132.55709
		8:00 AM	5.0%	13	86.06871	59.48838
		9:00 AM	6.0%	15.6		75.08838
		10:00 AM	6.0%	15.6		90.68838
		11:00 AM	6.0%	15.6		106.28838
		12:00 PM	6.0%	15.6		121.88838
		1:00 PM	6.0%	15.6		137.48838
		2:00 PM	6.0%	15.6		153.08838
		3:00 PM	7.0%	18.2		171.28838
		4:00 PM	7.0%	18.2	86.06871	103.41967
		5:00 PM	7.0%	18.2		121.61967
		6:00 PM	7.0%	18.2		139.81967
		7:00 PM	7.0%	18.2		158.01967
		8:00 PM	7.0%	18.2		176.21967
		9:00 PM	6.0%	15.6		191.81967
		10:00 PM	6.0%	15.6		207.41967
		11:00 PM	5.0%	13		220.41967
	Tuesday	12:00 AM		0	86.06871	134.35096
		1:00 AM		0		134.35096
		2:00 AM		0		134.35096
		3:00 AM		0		134.35096
		4:00 AM		0		134.35096
		5:00 AM		0		134.35096
		6:00 AM		0		134.35096
		7:00 AM		0		134.35096
		8:00 AM	5.0%	13	86.06871	61.28225
		9:00 AM	6.0%	15.6		76.88225
		10:00 AM	6.0%	15.6		92.48225
		11:00 AM	6.0%	15.6		108.08225
		12:00 PM	6.0%	15.6		123.68225
		1:00 PM	6.0%	15.6		139.28225

	2.00 DM	C 00/	1 F. C		154 00225
	2:00 PM	6.0%	15.6		154.88225
	3:00 PM	7.0%	18.2	06.06074	173.08225
	4:00 PM	7.0%	18.2	86.06871	105.21354
	5:00 PM	7.0%	18.2		123.41354
	6:00 PM	7.0%	18.2		141.61354
	7:00 PM	7.0%	18.2		159.81354
	8:00 PM	7.0%	18.2		178.01354
	9:00 PM	6.0%	15.6		193.61354
	10:00 PM	6.0%	15.6		209.21354
	11:00 PM	5.0%	13		222.21354
Wednesday	12:00 AM		0	86.06871	136.14483
	1:00 AM		0		136.14483
	2:00 AM		0		136.14483
	3:00 AM		0		136.14483
	4:00 AM		0		136.14483
	5:00 AM		0		136.14483
	6:00 AM		0		136.14483
	7:00 AM		0		136.14483
	8:00 AM	5.0%	13	86.06871	63.07612
	9:00 AM	6.0%	15.6		78.67612
	10:00 AM	6.0%	15.6		94.27612
	11:00 AM	6.0%	15.6		109.87612
	12:00 PM	6.0%	15.6		125.47612
	1:00 PM	6.0%	15.6		141.07612
	2:00 PM	6.0%	15.6		156.67612
	3:00 PM	7.0%	18.2		174.87612
	4:00 PM	7.0%	18.2	86.06871	107.00741
	5:00 PM	7.0%	18.2		125.20741
	6:00 PM	7.0%	18.2		143.40741
	7:00 PM	7.0%	18.2		161.60741
	8:00 PM	7.0%	18.2		179.80741
	9:00 PM	6.0%	15.6		195.40741
	10:00 PM	6.0%	15.6		211.00741
	11:00 PM	5.0%	13		224.00741
Thursday	12:00 AM		0	86.06871	137.9387
	1:00 AM		0		137.9387
	2:00 AM		0		137.9387
	3:00 AM		0		137.9387
	4:00 AM		0		137.9387
	5:00 AM		0		137.9387
	6:00 AM		0		137.9387
	7:00 AM		0		137.9387
	8:00 AM	5.0%	13	86.06871	64.86999
	9:00 AM	6.0%	15.6		80.46999
	10:00 AM	6.0%	15.6		96.06999
	11:00 AM	6.0%	15.6		111.66999
	12:00 PM	6.0%	15.6		127.26999

	1:00 PM	6.0%	15.6		142.86999
	2:00 PM	6.0%	15.6		158.46999
	3:00 PM	7.0%	18.2		176.66999
	4:00 PM	7.0%	18.2	86.06871	108.80128
	5:00 PM	7.0%	18.2	00.00071	127.00128
	6:00 PM	7.0%	18.2		145.20128
	7:00 PM	7.0%	18.2		163.40128
	8:00 PM	7.0%	18.2		181.60128
	9:00 PM	6.0%	15.6		197.20128
	10:00 PM	6.0%	15.6		212.80128
	11:00 PM	5.0%	13		225.80128
Friday	12:00 AM		0	86.06871	139.73257
	1:00 AM		0		139.73257
	2:00 AM		0		139.73257
	3:00 AM		0		139.73257
	4:00 AM		0		139.73257
	5:00 AM		0		139.73257
	6:00 AM		0		139.73257
	7:00 AM		0		139.73257
	8:00 AM	5.0%	13	86.06871	66.66386
	9:00 AM	6.0%	15.6	00.00071	82.26386
	10:00 AM	6.0%	15.6		97.86386
	11:00 AM	6.0%	15.6		113.46386
	12:00 PM	6.0%	15.6		129.06386
	1:00 PM	6.0%	15.6		144.66386
	2:00 PM	6.0%	15.6		160.26386
	3:00 PM	7.0%	18.2	0.5.050=4	178.46386
	4:00 PM	7.0%	18.2	86.06871	110.59515
	5:00 PM	7.0%	18.2		128.79515
	6:00 PM	7.0%	18.2		146.99515
	7:00 PM	7.0%	18.2		165.19515
	8:00 PM	7.0%	18.2		183.39515
	9:00 PM	6.0%	15.6		198.99515
	10:00 PM	6.0%	15.6		214.59515
	11:00 PM	5.0%	13		227.59515
Saturday	12:00 AM		0	86.06871	141.52644
	1:00 AM		0		141.52644
	2:00 AM		0		141.52644
	3:00 AM		0		141.52644
	4:00 AM		0		141.52644
	5:00 AM		0		141.52644
	6:00 AM		0		141.52644
	7:00 AM		0		141.52644
	8:00 AM	5.0%	13	86.06871	68.45773
				00.000/1	
	9:00 AM	6.0%	15.6		84.05773
	10:00 AM	6.0%	15.6		99.65773
	11:00 AM	6.0%	15.6		115.25773

	12:00 PM	6.0%	15.6		130.85773
	1:00 PM	6.0%	15.6		146.45773
	2:00 PM	6.0%	15.6		162.05773
	3:00 PM	7.0%	18.2		180.25773
	4:00 PM	7.0%	18.2	86.06871	112.38902
	5:00 PM	7.0%	18.2		130.58902
	6:00 PM	7.0%	18.2		148.78902
	7:00 PM	7.0%	18.2		166.98902
	8:00 PM	7.0%	18.2		185.18902
	9:00 PM	6.0%	15.6		200.78902
	10:00 PM	6.0%	15.6		216.38902
	11:00 PM	5.0%	13		229.38902
Sunday	12:00 AM		0	86.06871	143.32031
	1:00 AM		0		143.32031
	2:00 AM		0		143.32031
	3:00 AM		0		143.32031
	4:00 AM		0		143.32031
	5:00 AM		0		143.32031
	6:00 AM		0		143.32031
	7:00 AM		0		143.32031
	8:00 AM	5.0%	13	86.06871	70.2516
	9:00 AM	6.0%	15.6		85.8516
	10:00 AM	6.0%	15.6		101.4516
	11:00 AM	6.0%	15.6		117.0516
	12:00 PM	6.0%	15.6		132.6516
	1:00 PM	6.0%	15.6		148.2516
	2:00 PM	6.0%	15.6		163.8516
	3:00 PM	7.0%	18.2		182.0516
	4:00 PM	7.0%	18.2	86.06871	114.18289
	5:00 PM	7.0%	18.2		132.38289
	6:00 PM	7.0%	18.2		150.58289
	7:00 PM	7.0%	18.2		168.78289
	8:00 PM	7.0%	18.2		186.98289
	9:00 PM	6.0%	15.6		202.58289
	10:00 PM	6.0%	15.6		218.18289
	11:00 PM	5.0%	13		231.18289
	12:00 AM		0	86.06871	145.11418

Week	Day	Hour	% of Flow	Inflow	Dose Volume	Storage
Week 3	Monday	1:00 AM		0		145.11418
		2:00 AM		0		145.11418
		3:00 AM		0		145.11418
		4:00 AM		0		145.11418
		5:00 AM		0		145.11418
		6:00 AM		0		145.11418
		7:00 AM		0		145.11418
		8:00 AM	5.0%	13	86.06871	72.04547
		9:00 AM	6.0%	15.6		87.64547
		10:00 AM	6.0%	15.6		103.24547
		11:00 AM	6.0%	15.6		118.84547
		12:00 PM	6.0%	15.6		134.44547
		1:00 PM	6.0%	15.6		150.04547
		2:00 PM	6.0%	15.6		165.64547
		3:00 PM	7.0%	18.2		183.84547
		4:00 PM	7.0%	18.2	86.06871	115.97676
		5:00 PM	7.0%	18.2		134.17676
		6:00 PM	7.0%	18.2		152.37676
		7:00 PM	7.0%	18.2		170.57676
		8:00 PM	7.0%	18.2		188.77676
		9:00 PM	6.0%	15.6		204.37676
		10:00 PM	6.0%	15.6		219.97676
		11:00 PM	5.0%	13		232.97676
	Tuesday	12:00 AM		0	86.06871	146.90805
		1:00 AM		0		146.90805
		2:00 AM		0		146.90805
		3:00 AM		0		146.90805
		4:00 AM		0		146.90805
		5:00 AM		0		146.90805
		6:00 AM		0		146.90805
		7:00 AM		0		146.90805
		8:00 AM	5.0%	13	86.06871	73.83934
		9:00 AM	6.0%	15.6		89.43934
		10:00 AM	6.0%	15.6		105.03934
		11:00 AM	6.0%	15.6		120.63934
		12:00 PM	6.0%	15.6		136.23934
		1:00 PM	6.0%	15.6		151.83934

	2:00 PM	6.0%	15.6		167.43934
	3:00 PM	7.0%	18.2		185.63934
	4:00 PM	7.0%	18.2	86.06871	117.77063
	5:00 PM	7.0%	18.2		135.97063
	6:00 PM	7.0%	18.2		154.17063
	7:00 PM	7.0%	18.2		172.37063
	8:00 PM	7.0%	18.2		190.57063
	9:00 PM	6.0%	15.6		206.17063
	10:00 PM	6.0%	15.6		221.77063
	11:00 PM	5.0%	13		234.77063
Wednesday	12:00 AM		0	86.06871	148.70192
	1:00 AM		0		148.70192
	2:00 AM		0		148.70192
	3:00 AM		0		148.70192
	4:00 AM		0		148.70192
	5:00 AM		0		148.70192
	6:00 AM		0		148.70192
	7:00 AM		0		148.70192
	8:00 AM	5.0%	13	86.06871	75.63321
	9:00 AM	6.0%	15.6		91.23321
	10:00 AM	6.0%	15.6		106.83321
	11:00 AM	6.0%	15.6		122.43321
	12:00 PM	6.0%	15.6		138.03321
	1:00 PM	6.0%	15.6		153.63321
	2:00 PM	6.0%	15.6		169.23321
	3:00 PM	7.0%	18.2		187.43321
	4:00 PM	7.0%	18.2	86.06871	119.5645
	5:00 PM	7.0%	18.2		137.7645
	6:00 PM	7.0%	18.2		155.9645
	7:00 PM	7.0%	18.2		174.1645
	8:00 PM	7.0%	18.2		192.3645
	9:00 PM	6.0%	15.6		207.9645
	10:00 PM	6.0%	15.6		223.5645
	11:00 PM	5.0%	13		236.5645
Thursday	12:00 AM		0	86.06871	150.49579
	1:00 AM		0		150.49579
	2:00 AM		0		150.49579
	3:00 AM		0		150.49579
	4:00 AM		0		150.49579
	5:00 AM		0		150.49579
	6:00 AM		0		150.49579
	7:00 AM		0		150.49579
	8:00 AM	5.0%	13	86.06871	77.42708
	9:00 AM	6.0%	15.6		93.02708
	10:00 AM	6.0%	15.6		108.62708
	11:00 AM	6.0%	15.6		124.22708
	12:00 PM	6.0%	15.6		139.82708

	1:00 PM	6.0%	15.6		155.42708
	2:00 PM	6.0%	15.6		171.02708
	3:00 PM	7.0%	18.2		189.22708
	4:00 PM	7.0%		06 06071	
			18.2	86.06871	121.35837
	5:00 PM	7.0%	18.2		139.55837
	6:00 PM	7.0%	18.2		157.75837
	7:00 PM	7.0%	18.2		175.95837
	8:00 PM	7.0%	18.2		194.15837
	9:00 PM	6.0%	15.6		209.75837
	10:00 PM	6.0%	15.6		225.35837
	11:00 PM	5.0%	13		238.35837
Friday	12:00 AM		0	86.06871	152.28966
	1:00 AM		0		152.28966
	2:00 AM		0		152.28966
	3:00 AM		0		152.28966
	4:00 AM		0		152.28966
	5:00 AM		0		152.28966
	6:00 AM		0		152.28966
	7:00 AM	= 00/	0	06.06074	152.28966
	8:00 AM	5.0%	13	86.06871	79.22095
	9:00 AM	6.0%	15.6		94.82095
	10:00 AM	6.0%	15.6		110.42095
	11:00 AM	6.0%	15.6		126.02095
	12:00 PM	6.0%	15.6		141.62095
	1:00 PM	6.0%	15.6		157.22095
	2:00 PM	6.0%	15.6		172.82095
	3:00 PM	7.0%	18.2		191.02095
	4:00 PM	7.0%	18.2	86.06871	123.15224
	5:00 PM	7.0%	18.2		141.35224
	6:00 PM	7.0%	18.2		159.55224
	7:00 PM	7.0%	18.2		177.75224
	8:00 PM	7.0%	18.2		195.95224
	9:00 PM	6.0%	15.6		211.55224
	10:00 PM	6.0%	15.6		227.15224
C	11:00 PM	5.0%	13	06.06074	240.15224
Saturday	12:00 AM		0	86.06871	154.08353
	1:00 AM		0		154.08353
	2:00 AM		0		154.08353
	3:00 AM		0		154.08353
	4:00 AM		0		154.08353
	5:00 AM		0		154.08353
	6:00 AM		0		154.08353
	7:00 AM		0		154.08353
	8:00 AM	5.0%	13	86.06871	81.01482
	9:00 AM	6.0%	15.6		96.61482
	10:00 AM	6.0%	15.6		112.21482
	11:00 AM	6.0%	15.6		127.81482
	11.00 AIVI	0.070	13.0		127.01402

	12:00 PM	6.0%	15.6		143.41482
	1:00 PM	6.0%	15.6		159.01482
	2:00 PM	6.0%	15.6		174.61482
	3:00 PM	7.0%	18.2		192.81482
	4:00 PM	7.0%	18.2	86.06871	124.94611
	5:00 PM	7.0%	18.2		143.14611
	6:00 PM	7.0%	18.2		161.34611
	7:00 PM	7.0%	18.2		179.54611
	8:00 PM	7.0%	18.2		197.74611
	9:00 PM	6.0%	15.6		213.34611
	10:00 PM	6.0%	15.6		228.94611
	11:00 PM	5.0%	13		241.94611
Sunday	12:00 AM		0	86.06871	155.8774
	1:00 AM		0		155.8774
	2:00 AM		0		155.8774
	3:00 AM		0		155.8774
	4:00 AM		0		155.8774
	5:00 AM		0		155.8774
	6:00 AM		0		155.8774
	7:00 AM		0		155.8774
	8:00 AM	5.0%	13	86.06871	82.80869
	9:00 AM	6.0%	15.6		98.40869
	10:00 AM	6.0%	15.6		114.00869
	11:00 AM	6.0%	15.6		129.60869
	12:00 PM	6.0%	15.6		145.20869
	1:00 PM	6.0%	15.6		160.80869
	2:00 PM	6.0%	15.6		176.40869
	3:00 PM	7.0%	18.2		194.60869
	4:00 PM	7.0%	18.2	86.06871	126.73998
	5:00 PM	7.0%	18.2		144.93998
	6:00 PM	7.0%	18.2		163.13998
	7:00 PM	7.0%	18.2		181.33998
	8:00 PM	7.0%	18.2		199.53998
	9:00 PM	6.0%	15.6		215.13998
	10:00 PM	6.0%	15.6		230.73998
	11:00 PM	5.0%	13		243.73998
	12:00 AM		0	86.06871	157.67127

Week	Day	Hour	% of Flow	Inflow	Dose Volume	Storage
Week 4	Monday	1:00 AM		0		157.67127
		2:00 AM		0		157.67127
		3:00 AM		0		157.67127
		4:00 AM		0		157.67127
		5:00 AM		0		157.67127
		6:00 AM		0		157.67127
		7:00 AM		0		157.67127
		8:00 AM	5.0%	13	86.06871	84.60256
		9:00 AM	6.0%	15.6		100.20256
		10:00 AM	6.0%	15.6		115.80256
		11:00 AM	6.0%	15.6		131.40256
		12:00 PM	6.0%	15.6		147.00256
		1:00 PM	6.0%	15.6		162.60256
		2:00 PM	6.0%	15.6		178.20256
		3:00 PM	7.0%	18.2		196.40256
		4:00 PM	7.0%	18.2	86.06871	128.53385
		5:00 PM	7.0%	18.2		146.73385
		6:00 PM	7.0%	18.2		164.93385
		7:00 PM	7.0%	18.2		183.13385
		8:00 PM	7.0%	18.2		201.33385
		9:00 PM	6.0%	15.6		216.93385
		10:00 PM	6.0%	15.6		232.53385
		11:00 PM	5.0%	13		245.53385
	Tuesday	12:00 AM		0	86.06871	159.46514
		1:00 AM		0		159.46514
		2:00 AM		0		159.46514
		3:00 AM		0		159.46514
		4:00 AM		0		159.46514
		5:00 AM		0		159.46514
		6:00 AM		0		159.46514
		7:00 AM		0		159.46514
		8:00 AM	5.0%	13	86.06871	86.39643
		9:00 AM	6.0%	15.6		101.99643
		10:00 AM	6.0%	15.6		117.59643
		11:00 AM	6.0%	15.6		133.19643
		12:00 PM	6.0%	15.6		148.79643
		1:00 PM	6.0%	15.6		164.39643

	2:00 PM	6.0%	15.6		179.99643
	3:00 PM	7.0%	18.2		198.19643
	4:00 PM	7.0%	18.2	86.06871	130.32772
	5:00 PM	7.0%	18.2		148.52772
	6:00 PM	7.0%	18.2		166.72772
	7:00 PM	7.0%	18.2		184.92772
	8:00 PM	7.0%	18.2		203.12772
	9:00 PM	6.0%	15.6		218.72772
	10:00 PM	6.0%	15.6		234.32772
	11:00 PM	5.0%	13.0		247.32772
Modeocday		3.0%	0	86.06871	
Wednesday	1:00 AM			80.00871	161.25901
			0		161.25901
	2:00 AM		0		161.25901
	3:00 AM		0		161.25901
	4:00 AM		0		161.25901
	5:00 AM		0		161.25901
	6:00 AM		0		161.25901
	7:00 AM		0		161.25901
	8:00 AM	5.0%	13	86.06871	88.1903
	9:00 AM	6.0%	15.6		103.7903
	10:00 AM	6.0%	15.6		119.3903
	11:00 AM	6.0%	15.6		134.9903
	12:00 PM	6.0%	15.6		150.5903
	1:00 PM	6.0%	15.6		166.1903
	2:00 PM	6.0%	15.6		181.7903
	3:00 PM	7.0%	18.2		199.9903
	4:00 PM	7.0%	18.2	86.06871	132.12159
	5:00 PM	7.0%	18.2		150.32159
	6:00 PM	7.0%	18.2		168.52159
	7:00 PM	7.0%	18.2		186.72159
	8:00 PM	7.0%	18.2		204.92159
	9:00 PM	6.0%	15.6		220.52159
	10:00 PM	6.0%	15.6		236.12159
	11:00 PM	5.0%	13		249.12159
Thursday	12:00 AM		0	86.06871	163.05288
•	1:00 AM		0		163.05288
	2:00 AM		0		163.05288
	3:00 AM		0		163.05288
	4:00 AM		0		163.05288
	5:00 AM		0		163.05288
	6:00 AM		0		163.05288
	7:00 AM		0		163.05288
	8:00 AM	5.0%	13	86.06871	89.98417
	9:00 AM	6.0%	15.6	55.55571	105.58417
	10:00 AM	6.0%	15.6		121.18417
	11:00 AM	6.0%	15.6		136.78417
	12:00 AM	6.0%	15.6		150.78417
	12.00 PIVI	0.0%	13.0		132.3041/

	1:00 PM	6.0%	15.6		167.98417
Friday	2:00 PM	6.0%	15.6		183.58417
	3:00 PM	7.0%	18.2		201.78417
	4:00 PM	7.0%	18.2	86.06871	133.91546
	5:00 PM	7.0%	18.2		152.11546
	6:00 PM	7.0%	18.2		170.31546
	7:00 PM	7.0%	18.2		188.51546
	8:00 PM	7.0%	18.2		206.71546
	9:00 PM	6.0%	15.6		222.31546
	10:00 PM	6.0%	15.6		237.91546
	11:00 PM	5.0%	13		250.91546
	12:00 AM	3.070	0	86.06871	164.84675
	1:00 AM		0	00.00071	164.84675
	2:00 AM		0		164.84675
	3:00 AM		0		164.84675
	4:00 AM		0		164.84675
	5:00 AM		0		164.84675
	6:00 AM		0		164.84675
	7:00 AM		0		164.84675
		F 00/		96 06971	
	8:00 AM	5.0%	13	86.06871	91.77804
	9:00 AM	6.0%	15.6		107.37804
	10:00 AM	6.0%	15.6		122.97804
	11:00 AM	6.0%	15.6		138.57804
	12:00 PM	6.0%	15.6		154.17804
	1:00 PM	6.0%	15.6		169.77804
	2:00 PM	6.0%	15.6		185.37804
	3:00 PM	7.0%	18.2		203.57804
Saturday	4:00 PM	7.0%	18.2	86.06871	135.70933
	5:00 PM	7.0%	18.2		153.90933
	6:00 PM	7.0%	18.2		172.10933
	7:00 PM	7.0%	18.2		190.30933
	8:00 PM	7.0%	18.2		208.50933
	9:00 PM	6.0%	15.6		224.10933
	10:00 PM	6.0%	15.6		239.70933
	11:00 PM	5.0%	13		252.70933
	12:00 AM		0	86.06871	166.64062
	1:00 AM		0		166.64062
	2:00 AM		0		166.64062
	3:00 AM		0		166.64062
	4:00 AM		0		166.64062
	5:00 AM		0		166.64062
	6:00 AM		0		166.64062
	7:00 AM		0		166.64062
	8:00 AM	5.0%	13	86.06871	93.57191
	9:00 AM	6.0%	15.6		109.17191
	10:00 AM	6.0%	15.6		124.77191
	11:00 AM	6.0%	15.6		140.37191

	12:00 PM	6.0%	15.6		155.97191
	1:00 PM	6.0%	15.6		171.57191
	2:00 PM	6.0%	15.6		187.17191
	3:00 PM	7.0%	18.2		205.37191
	4:00 PM	7.0%	18.2	86.06871	137.5032
	5:00 PM	7.0%	18.2		155.7032
	6:00 PM	7.0%	18.2		173.9032
	7:00 PM	7.0%	18.2		192.1032
	8:00 PM	7.0%	18.2		210.3032
	9:00 PM	6.0%	15.6		225.9032
	10:00 PM	6.0%	15.6		241.5032
	11:00 PM	5.0%	13		254.5032
Sunday	12:00 AM		0	86.06871	168.43449
	1:00 AM		0		168.43449
	2:00 AM		0		168.43449
	3:00 AM		0		168.43449
	4:00 AM		0		168.43449
	5:00 AM		0		168.43449
	6:00 AM		0		168.43449
	7:00 AM		0		168.43449
	8:00 AM	5.0%	13	86.06871	95.36578
	9:00 AM	6.0%	15.6		110.96578
	10:00 AM	6.0%	15.6		126.56578
	11:00 AM	6.0%	15.6		142.16578
	12:00 PM	6.0%	15.6		157.76578
	1:00 PM	6.0%	15.6		173.36578
	2:00 PM	6.0%	15.6		188.96578
	3:00 PM	7.0%	18.2		207.16578
	4:00 PM	7.0%	18.2	86.06871	139.29707
	5:00 PM	7.0%	18.2		157.49707
	6:00 PM	7.0%	18.2		175.69707
	7:00 PM	7.0%	18.2		193.89707
	8:00 PM	7.0%	18.2		212.09707
	9:00 PM	6.0%	15.6		227.69707
	10:00 PM	6.0%	15.6		243.29707
	11:00 PM	5.0%	13		256.29707
	12:00 AM		0	86.06871	170.22836