

Comal County

OFFICE OF COMAL COUNTY ENGINEER

License to Operate

On-site Sewage Treatment and Disposal Facility

Date Issued: 3/3/2010

Permit Number: 91989

Location Description:

781 Jacob's Creek, Tract 117, Canyon Lake, TX 78133

Canyon Reservoir Subdivision

Type of System:

Aerobic Treatment with Drip Emitters Discharge

License issued to:

Randolph Recreation Park

This license is authorization for the owner to operate and maintain a private facility at the location described in accordance to the rules and regulations for on-site sewerage facilities of Comal County, Texas, and the Texas Natural Resource Conservation Commission.

The license grants permission to operate the facility. It does not guarantee successful operation. It is the responsibility of the owner to maintain and operate the facility in a satisfactory manner.

Inspection and licensing of a facility indicates only that the facility meets certain minimum requirements. It does not impede any governmental entity in taking the proper steps to prevent or control pollution, to abate nuisance, or to protect the public health.

This license to operate is valid for an indefinite period. The holder may transfer it to a succeeding owner, provided the facility has not been remodeled and is functioning properly.

Licensing Authority

Comal County Environmental Health

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FINANCIAL III

System Profile

Printed: Wednesday, March 03, 2010

System is installed at:

781 Jacob's Creek, Tract 117 Canyon Lake, TX 78133

Comal County

Subdiv: Canyon Reservoir

Permit Number: 91989 System Name: Primary

Brand Name: Model:

Serial Number:

Owner Information:

Randolph Recreation Park 781 Jacob's Creek, Tract 117 Canyon Lake, TX 78133

Home Phone: (800)280-3466

The original contract for installation was written on.

System is Under Warranty

This system was installed by: .

The installation date was 3/3/2010.

This system is to be inspected every 4 months.

The most recent inspection for this system occurred on .

The next scheduled inspection for this system is due on $\frac{7/3}{2010}$.

Permitting Agency:

Comal County Environmental Health

195 David Jonas Drive

New Braunfels, TX 78132-3760

Contact: Sandra Hernandez, Assistant Env. Health Coord.

Phone: (830) 608-2090 Fax: (830) 608-2078

Installation Company Info:

Envirowell Services P.O. Box 729 LaVernia, TX 78121

Operator: Quintan Kiolbassa

Phone: (830) 743-0826

Maintenance Company Info:

Envirowell Services Inc.

P.O. Box 729 LaVernia, TX 78121

Operator: Quinten Kiolbassa

Phone: (830) 253-1244

Most Recent Visits and Results

Date Comp. Visit Type Description of Repairs

Property Notes:

existing p# 85261, S1 - 2/23/10, S3 - 3/03/10

System Notes:

Existing 1500 gal. pump tank(EQ) Existing - 2- 500 Gal. Deltawhite water Existing 6000 sf. drip emitter. M6/01/2009 13:44

8307791714

ENVIROWELL SERVICES

PAGE

MAY-18-2009 05:11 FROM:RANDOLPH

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TO: 8307791714

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JUL 1 0 2009 **COUNTY ENGINEER**

Enviroweti Services, inc. P.O. Box 729 La Vernia, Tx 78121

COUNTY ENGINEER

Date: 5/21/2009 Company Phone: (880) 253-1244 Fax: (830) 779-1714

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4. 经股份债券的 781 Jacobs Cre Canyon Lake, TX

To: ATTENTION: ANDVINCE

Owner Phone:

Maintenance Contract Period

Start Date: 5/23/2009

Brid Clate: 6/32/2010

3 trapectors per year - one every 4 months

County: Commit

Installer: Environmell-Septimes (Inc.
Agency: Comal County Meetin
Maint Co : Environmell Services .Inc.

Mis. Delta Environmental Products

This contract will provide for all required interpolations, reporting and basic provided for all required interpolations are the second life to the contract of the second life to the contract of the contrac

cover the following:

(1) 3 inspections per year of least one every four months). This includes inspection, significant and service of modeshical, electrical and other applicable comprises perts to ensure proper function. An efficient quality inspection consisting of a visual check for color, sour overflow and estimation of odors. A charine residuel test will be conducted and reported as inscessery.

(2) If any improper operation is observed, which can not be corrected at the time of inspection, you will be notified on the inspection report of the condition. It is the owners reponsibility to notify the Maintenance Company for repairs. Response time for repairs is 72 hours. All or any payments must be made at the time of the repairs. If repairs are made and the owner defaults in payment, the

contract will be terminated.

contract will be terminated. (3) The owner is responsible for maintaining a chlorine residuel of 1 mg/L in the purity chamber. This can be eccomplished by using chlorine tablets designed for the system. USE WASTE WATER TABLETS NOT SWIMMING POOL TABLETS. This policy also pertains to any other type of disenfection device. Upon visit if the system needs obtaine, the service provider will add it and charge the customer. If the owner falls in their responsibility to add obtains they are in violation of law and appropriate action will be telem.

(4) Any additional visits inspections, repairs and/or sample collections required by specific authorized againstse in your jurisdiction will not be covered by this policy and become an additional charge. WARNINGS:

(A)The proper operation of this or any other servegelves towater system depends upon the organic loading and the fite of the micro-organisms inside the system of the provider is not responsible for the humb-field operation of the system office them mechanical and structural widelings of the placetimess than the companion of the system by the occupant or user, we can not control the amount of hersh chemicals or other substances discharged into the system by the occupant or user, we can only provide a comprehensive manual that obtainess substances that

should be kept out of the system.

(B) Hydraulic overloading (expansive water flows) may cause the system to fall or not operate to its fullest capabilities.

(C) Anta have been shown to be destructive to electrical components. Regular care should be taken to prevent infestation around eyatem.

DAMAGE IS NOT COVERED UNDER MANUFACTURERS WARRANTY,

(D)Your State or Local Health Department may require other pieces of equipment to function separately or in conjunction with equipment manufactored by the distributor. The distributor is not responsible for the mechanical or electrical safety of equipment MANU

tactored or installed by others. This may include but not limited to electrical control panels, air gumps, fiost switches and submersible well pumps.

(E) it is the owners reponsibility to have the system pumped every 3-5 years or at the recommendation of the Service Provider.
By signing this agreement the owner agrees to these terms of this contract and grants permission to the Meintenance Co. to enter owners properly togetform the necessary inspections and/or repairs.

Service Provider

Ma Ruoscotto1

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Maimenance Co., Environmii Services, Inc.

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Lic. No : TCEQ # MC-6

Comal County OSSF Inspection Sheet
Permit#: 9/989 Location: Randolph Rechestion Park /781 Jacobs Checky
Installer Name: Environmell
(if more than one installer is used list them according to inspection)
1st Inspection: WT - 2/19/10 2 nd Inspection: WT - 2/23/10 Final Inspection: (inspector initials & date) (inspector initials & date)
Are additional inspections required: (inspector initials & date) (inspector initials & date) (inspector initials & date)
Re-inspection fee owed: Re-inspection fee paid:
Existing soil conditions: Site/soil conditions match soil evaluation: Notes:
System Description: Aerobic with spray: Aerobic with drip emitters: Low Pressure Dosing: Absorptive drainfield: Evapotranspirative (ET) system: Gravel-less drainfield piping: Leaching chambers: Soil substitution drainfield: other:
Tank Inspection: Tank set level & watertight: Inlet/Outlet: Tank Size or GPD: Manuf./Brand: Model#: Pump Tank Size: Alarms/Audible & Visual: Operational: Is timer required/provided?: Chlorination required/provided? Notes:
System installation: Pipe check/house to tank: Clean-out at structure/every 50 ft./@90's Pipe check/tank to drainfield: (1/8"-ft.,SDR 26 or Sch. 40) Trenches/Excavations: Width/Depth: Trenches/Excavations Level: Pipe & Gravel: Slope within drainfield/spray area: Leaching Chambers: GeoTex: Spray irrigation purple pipe: Spray irrigation area checked: Notes:
Separation Distances
Prop. Lines: Water lines: Water Wells: Bldgs/Driveway/Improvements: Creeks/Rivers/Ponds: Drainage Easements/Sharp Slopes: If over Recharge Zone check for recharge features: Are there water ines crossing tightlines/or within 10 feet of system?: Have they been properly sleeved: Are there sewer ines crossing under driveways, sidewalks, or within 5 ft. of surface improvements: Have the sewer lines been properly sleeved?: Notes: # 16 Calin Not on 5,40 weed Revised Plan B4 Litie.
inal Inspection: ank(s) Backfilled: ystem Backfilled: ET Systems Class II backfill & vegetative cover for transpiration in place: urface application area properly landscaped/vegetation acceptable: otes: Culding make Calin to Existing system.
ze of Installed Drainfield/Spray Area:
Check here to confirm that service agreement has been received, entered and activities in CASS

OSSF PERMIT INFORMATION SHEET wuting ptg	5261
Date of Permit Permit Number Date of OSSF Date of Floor Application Approval Plain Approv	
7.10.09 91989 10/26-09 9-17-09 en	le vent
LOCATION: Canyon Reservoir Mart 117 - From Kath	4
IF A FLOOD PLAIN PERMIT IS NOT RECEIVED GIVE REASON:	
IS A BUILDING PERMIT REQUIRED? RECEIVED?	
PRELIMINARY INSPECTION DATE IF APPLICABLE:	
PLANNING MATERIALS REVIEWED BY:	
LIST DEFICIENCIES IN PLANNING MATERIALS THAT DO NOT MEET TCEQ RULES/CHECK OFF WHEN APPROVED: 1- New Calculations & design 1- New Calculations & design 1- Now Calculations & the Charle 1- Now Calculations &	_ _ S.,
available for aspestin	<i>≨</i> 6€ -
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NOTES TO INSPECTOR	



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SEP 24 2009

COUNTY OF COMAL

COUNTY ENGINEER'S OFFICE

Staff will complete shaded items OSSF/FLOODPLAIN DEVELOPMENT Date Received Initials COUNTY ENGINEER APPLICATION CHECKLIST Permit Number Instructions: Place a check mark next to all items that apply. For items that do not apply, place "N/A". This OSSF/Floodplain Development Application Checklist must accompany completed application. **OSSF Permit** X Completed Application for Permit for Authorization to Construct an On-Site Sewage Facility and License to Operate N/A Site/Soil Evaluation Completed by a Certified Site Evaluator or a Professional Engineer X Planning Materials of the OSSF as Required by the TCEQ Rules for OSSF Chapter 285. Planning Materials shall consist of a scaled design and all system specifications. X Required Permit Fee N/A Surface Application/Aerobic Treatment System N/A Recorded Certification of OSSF Requiring Maintenance/Affidavit to the Public N/A Signed Maintenance Contract with Effective Date as Issuance of License to Operate Floodplain Development Permit N/A Property in Incorporated City × Completed Application × Boundary Map Indicating Location of Proposed Improvements X Copy of Recorded Deed X Required Permit Fee I affirm that I have provided all information required for my OSSF/Floodplain Development Application and that this application constitutes a completed OSSF/Floodplain Development

Application. Signature of Applicant

INCOMPLETE APPLICATION:

(Missing Items Circled, Application Refused)



Comal County

OFFICE OF COMAL COUNTY ENGINEER

PERMIT OF AUTHORIZATION TO CONSTRUCT AN ON-SITE SEWAGE FACILITY PERMIT VALID FOR ONE YEAR FROM DATE ISSUED

Permit Number:

91989

Issued this date:

October 26, 2009

This Permit is hereby given to: Randolph Recreation Park

To start construction of a private, on-site sewage facility located at:

781 Jacob's Creek, Tract 117, Canyon Lake, TX 78133 Canyon Reservoir Subdivision

APPROVED MIMNIMUM SIZES AS PER ATTACHED DESIGN

Type of System: Aerobic Treatment with Drip Emitters Discharge

This permit gives permission for the construction of the above referenced on-site facility to commence. Installation must be completed by an installer holding a valid registration card from the Texas Natural Resource Conservation Commission (TNRCC). Installation and inspection must comply with current TNRCC and Comal County requirements.

Call (830) 608-2090 to schedule inspections.

91989

APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN wisting ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE PONUE OE STAN 85261 Randolph Recreation Park (fwisdalla OWNER NAME AGENT NAME: DAVIL RECEIVED 781 Jacob's Creek MAILING ADDRESS: MAILING ADDRESS: Canyon Lake, TX 78133 SEP 24 2009 CITY, STATE, ZIP: CITY, STATE, ZIP: PHONE #: (800) 280-3466 719 685-6974 PHONE #: COUNTY ENGINEE BOTH RECEIVED ALL CORRESPONDENCE SHOULD BE SENT TO: OWNER: X LEGAL DESCRIPTION OF PROPERTY: JUL 1 0 2009 SUBDIVISION NAME: Canyon Reservoir, Tract 117 **COUNTY ENGINEER** LOT BLOCK: ACREAGE/LEGAL: Randolph Recreation Park Subdivision STREET NAME/ADDRESS: 781 Jacob's Creek 78133 Canvon Lake NO_X IS PROPERTY LOCATED OVER THE EDWARDS RECHARGE ZONE? YES IF YES, THE PLANNING MATERIALS MUST BE COMPLETED BY A REGISTERED SANITARIAN (R.S.) OR PROFESSIONAL ENGINEER (P.E). NO X IF YES, THE R.S. OR P.E. IS THERE AN EXISTING TOEQ APPROVED WPAP FOR THE PROPERTY? YES SHALL CERTIFY THAT THE OSSF DESIGN COMPLIES WITH ALL PROVISIONS OF THE EXISTING WPAP. if there is no existing wpap, does the proposed development activity require a toeq approved WPAP? YES___NO_X__ IF YES, THE R.S. OR P.E. SHALL CERTIFY THAT THE OSSF DESIGN WILL COMPLY WITH ALL PROVISIONS OF THE PROPOSED WPAP. A PERMIT TO CONSTRUCT WILL NOT BE ISSUED FOR THE PROPOSED OSSF UNTIL THE PROPOSED WPAP HAS BEEN APPROVED BY THE APPROPRIATE REGIONAL OFFICE. TYPE OF DEVELOPMENT: - CHECK ONE SINGLE FAMILY RESIDENTIAL - TYPE OF CONSTRUCTION (HOUSE/MOBILE, RV, ETC) ___GALLONS PER DAY # OF BEDROOMS ___ ____TOTAL SQR. FT. OF LIVING AREA TYPE OF BUSINESS/INSTITUTION: EIGHT MINI- SHELTERS X_COMMERCIAL NUMBER OF OCCUPANTS 576 384 GALLONS FER DAY SITES GENERATING MORE THAN 5000 GALLONS PER DAY ARE REQUIRED TO OBTAIN PERMITTING THROUGH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY. SOURCE OF WATER: PRIVATE WELL PUBLIC PLANNING MATERIALS & SITE EVALUATION AS REQUIRED COMPLETED BY: TETRA TELL AND BEAGA DESIGN SERVICES SYSTEM DESCRIPTION: AEMOBIC TREATMENT WITH DRID IRRIVATION SIZE OF SEPTIC SYSTEM REQUIRED BASED ON PLANNING MATERIALS & SITE EVALUATION: 6,000 TANK SIZE(8) 2- 500 pl ATUTANE GALLONS ABSORPTION/APPLICATION AREA SQR. FT. ARE WATER SAVING DEVICES BEING UTILIZED WITHIN THE RESIDENCED NO YES I CERTIFY THAT THE COMPLETED APPLICATION AND ALL ADDITIONAL INFORMATION SUBJUITED DOES NOT CONTAIN ANY FALSE INFORMATION AND DOES NOT CONTAIN ANY FALSE AUTHORIZATION IS HEREBY GIVEN TO THE PERMITTING AUTHORITY AND DESIGNATED AGRESTS TO ENTER UPON THE ABOVE DESCRIBED PROPERTY FOR THE FURPOSE OF SITE/SOIL EVALUATION AND INSPECTION OF PRIVATE SEWAGE FACILITIES. I ALIGU UNDERSTAND THAT A FERMIT OF AUTHORIZATION TO CONSTRUCT WILL NOT BE ISSUED UNTILL THE FLOOD PLAN ADMINISTRATOR HAS APPROVED AND RELEASED THE DEVELOPMENT FERMIT FOR THIS PROPERTY. SIGNATURE OF OWNER

195 DAVID JONAS DRIVE, NEW BRAUNFELS, TEXAS 78132-3760 * (830) 608-2094 FAX (830) 608-2078

* * * COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH * * *



REVISED P#91989

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SEP 24 2009

COUNTY ENGINEE

Excerpt from the original OSSF Soil Evaluation Report — As-built Data for Permit #85261. Data reviewed and validated for site changes for system permitted under permit #91989. No changes from OSSF as-built conditions recorded in 2004; no physical changes where made to OSSF site location.

	FB, Rec		IRONMENTA EVALUATION			Plan 7	と
Name of Site Evaluation Date Performed: Requirements: At least two a must be show For substantial disposal, the	coll attravations send as on the application or disposal, soil avail durings harden quad	Proposed Excession to performed on the siste drawing or designations must be performed.	Doughth Doughth arts, at opposite state of	sat two feat below the	s proposed executation. Draw lines at the ans	n define Rer gerigen 201	04
SOIL BORING N	Testers	- 5súl	Sinveture	Drawinge	Restrictive	Observations	EALTH
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3 - 4 - 5				AS R	J Vi LT	Platty Pock 2-3" Thek Red Clay Below to 2.50	
SOIL BORING	NUMBER 2		**************************************		A H. Harriston		
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SEP 24 2009 PH 9
COUNTY ENGINEER 85061 REVISED RECEIVED MAY 24 2004 2.4 ENVIRONMENTAL HEALT (EBENO: INE PUIN - 30NBU-= PALVEBOX -150 LENCH LINE) CON HEADER LINES ONLY) NO SCAVE: SCHEMENT C LAYOUT ONLY BY: JESSE R. BUSING JO, P.E. 9126/04

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MAY 24 2004

ENVIRONMENTAL HEALTH

DUPLESO (1,500 aprillery) PUMP TANK

134, of S. DANGLE PIPE (FEED LINE)

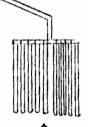
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LO - 3" PYC SLEEPE PIPE

PEFEL TO DETAILS OF CHOZINAM SWAT



REFULTO OUTRIL OF EMITTER TUBE ONGINFIELD.

(NO SCALE: SCHEMATIC ONLY)

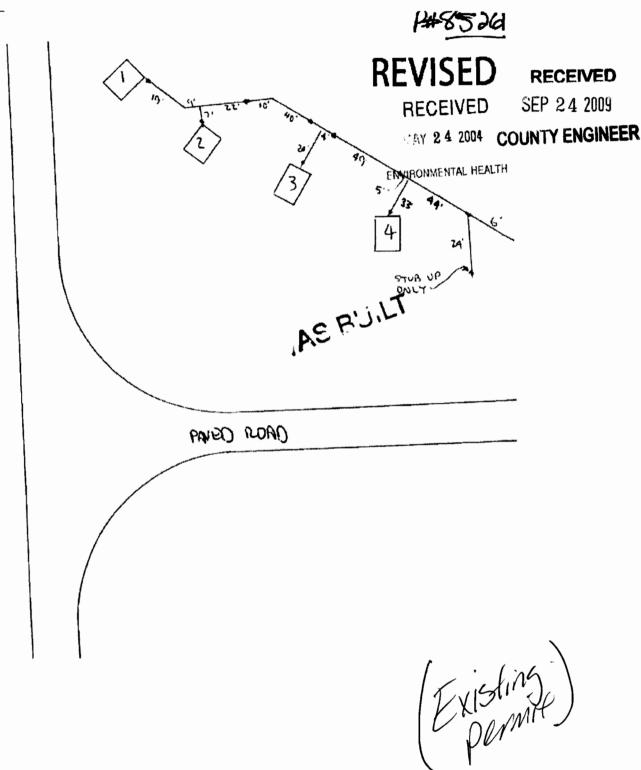


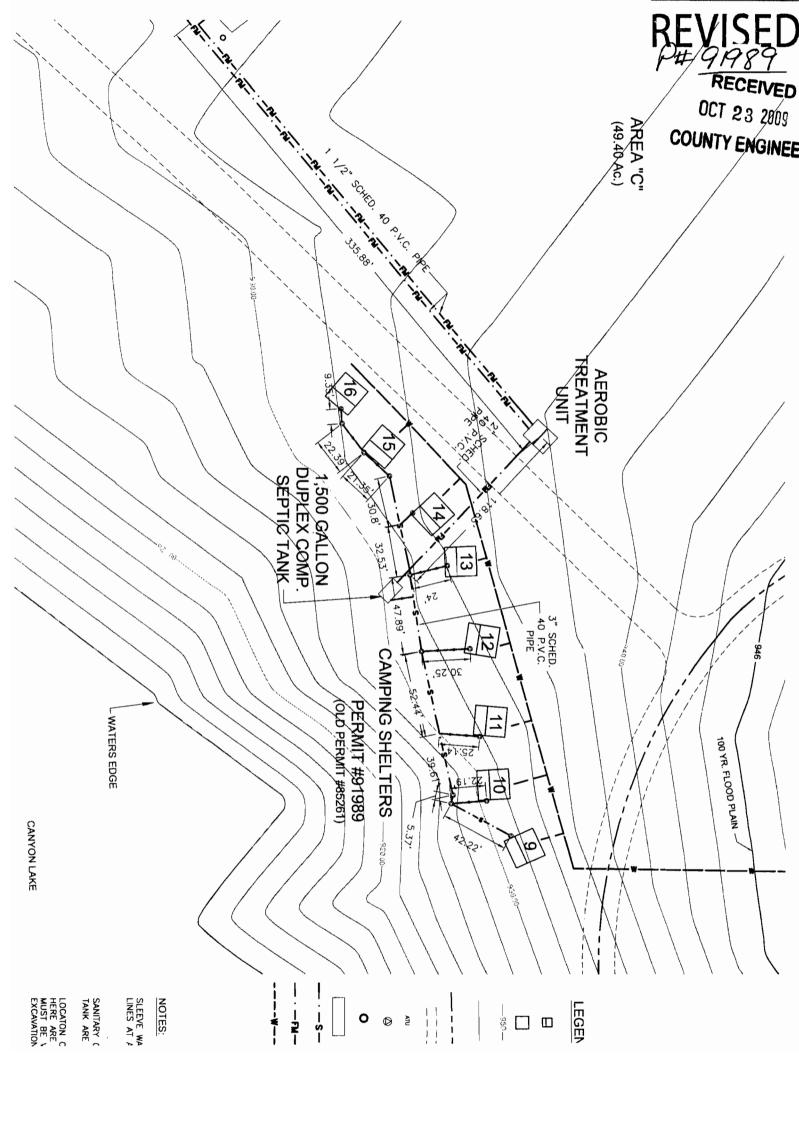
87: JESSE REGUENTS, Dr 4126/04

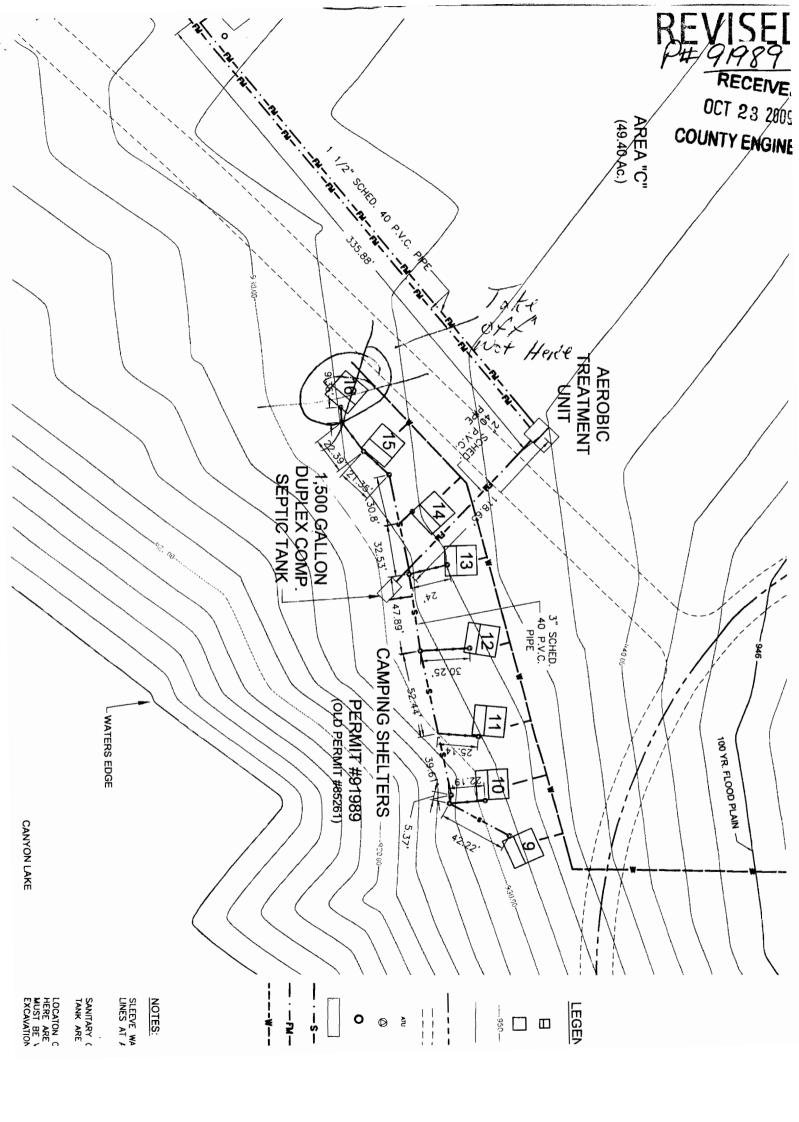
(Existing)

REVISED

Excerpt from the original OSSF Permit – As-built Data for Permit #85261 (Page 1 of 4). Data reviewed and validated for site changes for system permitted under permit #91989. No changes from OSSF as-built conditions recorded in 2004; no physical changes where made to the OSSF since it was permitted.











15 September 2009

20910-3024

Ms. Sandra Hernandez Comal County Engineer's Office 195 David Jonas Dr. New Braunfels. TX 78132

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SEP 24 2009

COUNTY ENGINEER

Subject:

Renovation Permit for Randolph's Canyon Lake Recreation Area

Reference:

OSSF Permit No. 91989 (Old Permit No. 85261)

Dear Ms. Hernandez,

We received your letter and the following is our response to your concerns and request for further information. Attached you will find the detailed design plans for this OSSF. We are also providing additional background, from the original permit's as-built drawings to ensure all the documentation for this site is included in the final permit.

The OSSF system was designed in accordance with 30 Texas Administrative Code (TAC) Chapter 285, Subchapter D, §285.30, Texas Commission on Environmental Quality (Effective August 3, 2006). The existing permitted OSSF has 8 sewer connections tied into it. The USAF currently has 7 portable minishelters attached to the system, and a stub up waiting for the installation of another mini-shelter. To be conservative the design of the system was completed for 8 facilities. Based on the redesign, the installed system as currently configured can effectively treat the flow from eight mini-shelters. Per the redesign, the only physical changes required to the system are the adjustment of the ATU clarifier effluent and septic tank pump switches (i.e., on, off and alarm). Please note however, during the redesign it was observed that the existing permitted OSSF's non-buried components were installed below the current flood plain elevation of 946'.

I look forward to working with you to finalize this permit. If you need to contact me regarding this matter you can reach me at (210) 226-2922 or by e-mail at Jaime.Kypuros@tetratech.com.

Sincerely,

TETRA TECH, INC.

Jaime Kypuros, P.E. Senior Engineer

Attachments: as stated

cc:

Becker, K. (12 MSG/SVS) Cyr, V. (12 MSG/CEAN) JAIME R. KYPUROS JR.

Tetra Tech, Inc.

Tel (100 for 100) Fax (100 for 50 for 100 for

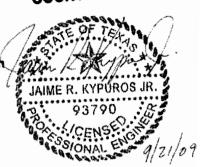
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Aerobic Treatment Unit with Drip Irrigation
Comprehensive Site Design for
Randolph AFB Recreation Area
Mini-Shelters East
Permit #91989 (Old Permit # 85261)
Canyon Lake, Texas



SITE DESCRIPTION:

Located in Canyon Reservoir Tract 117 at 781 Jacob's Creek Drive, the proposed system will serve eight "mini shelters." The min-shelters are situated in an area with Type IV soil as described in the Soil Evaluation Report, produced as part of the original system permit as-built documents and reviewed/certified for use here. Native grasses and cedar trees were found throughout this property. An aerobic treatment plant utilizing drip irrigation was chosen as the most appropriate system to serve the conditions for this site. **Please note**: The plumbing for the system (e.g., cleanout and stub-up) was installed to handle eight-facilities. Since the facilities are modular and can be installed and removed, the system was designed assuming all 8 facilities were installed; although only 7 are installed to date.

INSTALLED/PROPOSED SYSTEM:

Three-inch SCH-40 pipe discharges from the shelters into a 1,500 gallon duplex septic tank with a 1062gallon trash tank and a 472-gallon clarifier/pump tank, which flows into a diverter box. From there the flow is split into one of two proprietary Aerobic Treatment Units (ATUs). The ATUs were manufactured by Delta Environmental Products® (Model: DF-50CA). They consist of a 732-gallon aerobic treatment plant and a 193-gallon clarifier. The ATUs meet the ANSI/NSF Standard #40, Class 1 effluent requirements. The trash/pump tank well pump is activated by a float switch to flush effluent into the ATU via a diverter box; the pump is set to an audible and visual high-level alarm if it were to fail. The two tanks clarifiers are manifolded together, with one of the clarifiers containing a submersible (1 HP Aermotor T-Series or equivalent) well pump. The ATU clarifier well pump is activated by a time controller allowing the distribution 12 times per day with a 2 minute run time with float setting at 32 gallons. A high level audible and visual alarm will activate should the pump fail. The effluent is first filtered through a self flushing 150 mesh filter (< 100 microns) then through a 1.5" SCH-40 manifold to the drip-field. The effluent is applied to the drip-field, below grade, using Delta Environmental Product's proprietary Whitewater Filter/Drip System® (Model WWFSA - 8230-1HP) with Geoflow Classic emitter tubing. The layout as it was built and inspected at the time of installation is provided and referenced in the current design. The drip-field consists of 6000 sf of half-inch Geoflow Classic drip tubing set approximately two feet apart with 1.22 gph emitters set every two feet (see relevant manufacturer's information). The drip-field was set up with two zones to disperse the flow and the zones are controlled by a solenoid valve distributing the flow evenly between the two zones. A pressure gauge installed in the pump tank on the manifold to the field will maintain pressure at 20 psi. A 1.5" SCH-40 return line is installed to periodically flush the system by cycling a programmable logic controller valve. Solids caught in the filter are flushed each cycle back to the aerobic treatment unit. The 1.5" feed and purge lines will traverse below the surface of a parking lot; the piping was sleeved in a 3" SCH-40 PVC to protect them from damage. Field area was scarified and built up with approximately 6" of Type II or Type III soil, then the drip tubing laid and capped with approximately 6" of Type II or Type III soil. The field area was sodded with grass prior to system startup.

DESIGN SPECIFICATIONS:

Daily waste flow: 8 Mini-shelters Q = (12 gallons/day per person) x (8 shelters) x (4 persons per shelter) = 384 gallons/day. The design flow requiring treatment was determined using 30 TAC Part 285, Table III reference for Parks with Bathhouses, at usage rate of 12 gallons/day per person. The number of persons was determined by the available space in the mini-shelters, which illustrates that they can accommodate 4 persons (1-double bed and two single beds). The facilities also have low flow showers and faucets, and no laundry or garbage disposals installed. The government has 7 shelters tied into this OSSF.





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Plant Type/Size: Delta Environmental Products DF-50CA, 500 gpd ATU (TCEQ Approved)

As installed: Two-DF-50CA ATUs. The two ATUs combined are designed to accept 1,000 gpd,

which exceeds the estimate 384 gpd flow produced by the eight shelters.

Aeration tank size: 1464 gal (combined) Clarifier tank size: 386 gal (combined)

Reserve capacity after High Level: 128 Gal (1/3 day Req'd)

Application Rate: R_s = 0.1 gal/sf

Total absorption area: $Q/R_a = 384$ GPD/0.1 gal/sf = 3840 sf (6000 sf Actual). The soils information from the previous design and permit was reviewed and accepted for use in this design. The soils information indicates the soil is Type IV. Per 30 TAC Part 285, Table I, a loading rate of 0.1 gal/day per ft² was used to determine the treatment area.

Total linear feet drip tubing: 3000' of 1/2 inch Geoflow Classic drip tubing with nominal 1.22 GPH turbulent flow emitters, resulting in a 6000 ft² treatment area; exceeding the required treatment area for this site.

Pump requirements: Total Dynamic Head is 97.1 ft with a required flow rate of 12.1 gpm Pump specifications: Aermotor 4" T-Series: 20-100, 1HP well pump or equivalent

Pump Tank Design:

Septic Tank "trash-tank" tank size: 1062 gal Septic Tank "clarifier" tank size: 472 gal

Reserve capacity after High Level: 128 Gal (1/3 day Reg'd)

Pump requirements: TDH 30 ft at 85 gpm (note: 85 gpm used per as-built design) Pump specifications: Hydromatic SHEF-100 Series, 1HP well pump or equivalent

Drip Tubing Design for MSV:

MINIMUM SCOUR VELOCITY (MSV) > 2 FPS IN DRIP TUBING W/ NOM. DIA. 0.50" ID

 $MSV = 2 FPS*(\pi(D/2)^2)*7.48 gall/cf * 60 sec/min$

MSV = $2(3.14159((.50/12)^2)/4)*7.48*60$ MSV = 1.5 gpm minimum flow rate.

IN RETURN MANIFOLD W/ NOM. DIA 1.5" ID MSV = 2 FPS* $(\pi(D/2)^2)$ *7.48 gall/cf * 60 sec/min MSV = 2(3.14159((1.5/12)^2)/4)*7.48*60

MSV = 11.0 GPM

PIPE AND FITTINGS:

All pipe and fittings for the collection of the wastewater from the facilities were 3" SCH-40 PVC. All pipes and fittings used in the drip tubing system manifold shall be 1.5" schedule 40 PVC. All Geoflow Classic drip tubing will be 0.5". All joints were sealed with approved solvent-type PVC cement (as appropriate). The 1.5" feed and purge lines traverse below the surface of a parking lot; the piping was encased in 3" SCH-40 PVC to protect them from damage. The equalization line between the two clarifiers was 4" SCH-40 PVC. The flush line from the filter box was constructed of 3/4" SCH-40 PVC pipe. The water lines were sleeved over sewer lines wherever there was an intersection. A two-way cleanout plug was provided between the sewer stub out and the treatment tank. An additional cleanouts were provided every 50 feet on long runs of pipe and within five feet of 90 degree bends. Water lines were sleeved over sewer lines wherever there was an intersection.

FLOOD-PLAIN ANALYSIS:

In accordance with 30 TAC §285.31, Section C.2 the existing OSSF was reviewed for potential impacts to the flood-plain. The referenced property is located in the 100-year flood plain (946' elevation), the placement of this OSSF will not cause significant damage during a hundred-year flood and will not pose a threat to the public health or environment. The OSSF is completely buried and will not increase the depth of the flood. The non-buried components (e.g. alarms, junction boxes, and compressors) are required to

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be elevated above the 100-year flood elevation. The OSSF's non-buried components, installed in 2004, were installed at an elevation of 938' for the ATUs and 933' for the Septic/Pump Tank; below the flood-plain elevation of 946'. To verify the potential for the tanks to move due to buoyancy forces, the following calculation was performed to determine the requirement for overburden to help prevent floatation.

BUOYANCY CALCULATIONS:

Aerobic Treatment Unit (ATU):

Volume of ATU empty = 732 gallons primary chamber + 193 gallons secondary chamber = 925 gallons Upward buoyancy force = (925 gal)*(8.34 lb/gal) = 7.715 lbs

Overburden with 12" of soil = (L)*(W)*(fill Height)*(Wt of fill/cf) = (12.5')*(6.5')*(1')*(72 lb/cf) = 5,850 lbsWeight of Tank = ~17,000 lbs

Downward force of tank plus overburden = 17,000 lbs + 5,850 lbs = 23,850 lbs

Downward force > Upward Force = 23,850 lbs > 7,715 lbs

The weight of the tank will prevent the tank from floating; any burden is a factor of safety.

Septic/Pump Tank:

Volume of Tank = 1062 gallons primary chamber + 472 gallons secondary chamber = 1534 gallons Upward Buoyancy force = (1534 gal)*(8.34 lb/gal) = 12.794 lbs

Overburden with 12" of soil = $(L)^*(W)^*(fill Height)^*(Wt of fill/cf) = (12.3')^*(5.6')^*(1')^*(72 lb/cf) = 4,959 lbs$ Weight of Tank = ~13,300 lbs

Downward force of tank plus overburden = 13,300 lbs + 4,959 lbs = 18,259 lbs

Downward force > Upward Force = 18,259 lbs > 12,794 lbs

The weight of the tank will prevent the tank from floating, any overburden is a factor of safety.

Designed in accordance with Chapter 285, Subchapter D, 5285.30 and 5285.40 Texas Commission On Environmental Quality. (Effective September 11, 2008)

Engineer's design provision: This OSSF has been designed for parameters made known to him by either the proposed user of the OSSF, the system installer, or the documented as-built data in the original permit-as shown in the above-cited calculations and the enclosed manufacturer's product information. If this OSSF is operated in any other way than the products have been designed, or if the hydraulic quantities/qualities differ from those prescribed by either the TCEQ or manufacturer's products, the system may not function properly in either the treatment and disposal of sewage.

Maintenance Contract: Aerobic system installer shall provide the Designated Representative with proof of an executed two-year full service maintenance contract as required by the TCEQ.

The system was designed in accordance with the following attachments:

OSSF Permit Application and Checklist Relevant Planning Materials with references used Site Boundary and Location Maps



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Standard Specifications for the Stewart Lodge's Triple-Play Model (#CC816) shelter used at this site.

Standard Specifications

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Manufacturers of Quality Rustic Park Model Cabins

MAR 29 2004

Standard Specifications

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CHASSIS: Main rall 6.51b 8",10" or 12" (depending on Cabin length) Jr. I-Beam. Crossmember & outrigger spacing not to exceed 4' 0". 28 3/4" 13 gauge crossmembers and outriggers. 9" x 140" 13 gauge front header. A Braking axles New 8 X 13.5" tires Equalizer set up.

STRUCTURAL: 2X6X137" #2 spf or syp joists 24"OC (Double end joists) Single 2X6 perimeter rail. First line polymax bottom board. R-11 K insulation (roof, walls & floor) 1X4 T&G pine flooring. Flooring material glued & nailed to joists as per manufactures specs. 2X4 SPF 16" OC walls 1/4" wood paneling or 3/8" vinyl-covered sheetrock wall covering. 2X4 'GRID' system roof 16" OC. Sea Spray Sheetrock interior roof covering or optional birch paneling with exposed rafters. Master-Rib steel roof with 20 year warranty. 8/12 Roof pitch.

EXTERIOR SIDING: Standard exterior siding is lapped 1"X 8" titeknot western red cedar. Walls wrapped with CORTEX (builders wrap). Corners are full 2x4 cedar. Window trim & door trim is 1 1/2"x 2" cedar. All seam are caulked with clear silicone caulking. Optional split log cedar or 1" X & Cypress lap available.

PLUMBING: All potable water supply inside, beneath and entering thru the floor decking to be made of freezable P.E.X. All D.W.V. system to be made of 1 1/2" minimum P.V.C., with 3"(black water) & 2" (gray water) sewer outlets. All appliances are connected to the system with brass shut off valves. All D.W.V. connections are made thru the floor connected underneath unit prior to water check. Moen faucets & fixtures.

DOORS: 34 X 76 Steel six panel front w/storm (SL Models) Factory built cedar cottage door (CC models). Optional Doors 34 X 76 - 9 Window Cediexterlor - white interior or 6' X 6' Sliding Glass Door or 6'X6' French Doors.

<u>WINDOWS:</u> Kinro - flush mount - bronze - single hung 6/6 Thermopane Insulated. Windows come with screens and curtains, and mini-blinds.

http://www.stewartlodges.com/standard_specifications.htm

4/15/2003

Standard Specifications

Page 2 of 2

85260

APPLIANCES: 30 inch gas or electric range (SL models). Surface mount cook top (CC models). 14 cubic foot refrigerator (SL models), 3.6 cu ft under mount (CC models). 20 gal. Electric water heater or optional 10 ga quick recovery gas water heater.

Units conform to ANSI 119.5 Park Trailer Standards. Due to product improvements or structural design we reserve he right to change specifications and prices without prior notification or obligation.RECEIVED

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Stewart Lodges is a subsidiary of Wheel Estate Sales & Service, Inc.

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Stewart Lodges 4561 Stewart Road Ochlocknes, Georgia 31733 1.800.989,8243 toll free 229.227.9868 fax Voil

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SEP 24 2009 REVISED Environell Porch 4' Open igle Play CC816 3 @ 12' X 16' 9-lite door Bunk Bed w/Mattresses 36 X 79 rod/shel pocket door egbirî Stand Up Showe Hitch end 1421

<u></u>		CLIENT RANG			DATE _3 AV		
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3.00	Capacity						
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AIME R. KYPUR 93790	os (R)	ref * Delta e	weren	WHITEWATER	ATU OF DE	SILN MADUNI	
9/2	1/09	* EPA O	oc. 625/R Systems man	-00/008 IAL FEG. 2	chare WW	TREATMENTS	



Specifications for the *Delta Environmental Product's* "WHITEWATER AEROBIC TREATMENT UNIT DF DESIGN MANUAL" for the system as installed (i.e., DF-50 CA) in the original permit (#85260) were referenced as part of the planning documents in the design and operation of the OSSF.

CHART 1

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<u>DF SERIES</u> <u>Treatment Plants - Sizes/Capacities</u>

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Units I.D.* (lbs/day)	Size (GPD)	BOD Treatment Capacity
DF- 40	400	1.00
DF- 50	500	1.25
DF- 60	600	1.50
DF- 75	750	1.88
DF-100A	1,000	2.50
DF-150	1,500	3.75

^{*}For all fiberglass construction add suffix FF

^{*}For concrete with fiberglass clarifier add suffix CA

TE TET	RATECH	CLIENT RANG	DOLPH AFG		DATE _28#	ul 05	
JOBTITLE	URA OSSF PE	7891P # 11985	(48 85261				
	ystem Design						
DET	EAMINE CUST	m SETTINGS 1	for Drup Inn	LATTON		RE	CEIVED
	SF DRUP PLINE		<u> </u>			SEP	24 2009
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	1	MANTOLOGO			1		
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		onle Onler (p		,	•		
		1	, ·	3")(14")+ 2("] • • •	,	
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Geoflow Subsurface Drip Worksheets. Completed system design using as-built data.

(6) (6)	Field Flow
Job Description.	USAF - Randolph AFB Canvon Lake Recreation Area, Canvon Lake, TX - Permit #91989
Comset:	Terra Tech, Inc.
Prepared by	David Gwizdalla, P.E.
Date.	28-Aug-09
Workshee	t 1- Field Flow

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Total field

Total Onamo of effluent to be disposed per day	384	galions day	
Hydraulio .o.sde.g : sre	0.1	gallons sq.ft. day	. **
Minimum Dispersal Field Area	3,840	square ft.	
Total Dispersal Field Area	3,840	square ft	

Flow per zone

Number of Zones	2	zone(p)	
Dispersal sive per tope	1,920	square ft	,
Choose line appening between WASTEFLOW lines	2	ft.	
Choose suures spacing between WASTEFLOW emitters	2	ft	
Total linear fi.per zone (minimum required)	960	ft. per zoza	
Total number of emitters per zone	480	emitter: per zone	1 -
Select Wastaflow dupline (16mm)	Wasteflow Classic	dripline	
Pressure at the beginning of the dispiteld	20	ភិខា	
Fest of Head at the beginning of the dripfield	46.2	A.	
What is the flow rate per emitter in gpla?	1.16	gph].
Dose flow per zone	9.28	gpun	\$, ·

If required, choose that we over	0.6	fisec	
How many line: of WASTEFLOW per zone?	7	lines	
Fill in the actual length of longest chipline lateral	300	ń.	
Max. allowable length of a single WASTEFLOW line	210	f1.	
Flush flow required at the end of each dripline	0.44	gpm	
Total Flow required to achieve flushing velocity	3.11	\$bm	
Turni Flow per zone- worst case scenario	12.39	gpm	

Select Filters and zone valves

J	20,000,000		·	
	Select Filter Type	Vortex Screen Filter		
1	Recommended Filter (item no.)	AP4E-IF		. (
ļ	Select Zone Valve Type	Electric Solenoid		٠.
	Recommended Zone Va.ve (item no.)	SVLVB-100	1-in. Solenoid valve	_,

Dosing

Number of doses per day zone:	12	doses	
Timer ON. Finip run time per dose zone:	1 43	manis:58C3	
Timer OFF Framp off tune between doses	1:58	preimme	1: (
Per Zone - Pump man time per day zone:	0:20	प्राप्ताम्बर	
All Zones - Number of dotes per day all zones	24	doses day	
Allow time for field to pressurize	0:00:30	bramma.secs	
Fiker flush timer	0:00:15	hra:mma:secs	· .
Drain timer	0:05:00	hr::mms.secs	
Field fluzh rimer	0:01:00	hrs:mms:secs	
Field flush counter	3	cycle:	
Time required to complete all functions per day	3:17	ars:mm:	
yose volume bei zona	_16	gallous per dose	w.

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Allow time in the day for controller to have prescurization and dramage time



Job: USAF - Randolph AFB Canyon Lake Recreation Area, Canyon Lake, TX - Permit #91989 Contact: Tetra Tech, Inc. Prepared by: David Gwisdalla, P.E. Date: 8/28/2009

Please fill in the shaded areas and drop down menus:

This spreadsheet serves as a guide, and is not a complete hydraulic design.

Pressure losses may be grossly overstated, particularly if designing with WASTEFLOW Classic

The letters on the diagram(right) match the letters in section 2 below.

Flush line- Losses through return line

Size of flush line in inches

Length of return line

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Worksheet - Pump Sizing

Section 2

Flow required to dose field	9.28 gpm
Flow required to flush field	3.11 gpm
Flow required to dose & flush field	12.39 gpm
Filter	AP4E-1F
No. of Zones	2 zones
Zone valve	SVLVB-100
Dripline	Wasteflow Classic
Dripline longest lateral	300.00 ft.

Ft of head

1.5 inch

336 ft.

Pressure

Volts / HP / phase	Aermotor 4" T-Series: 20-100 220 V / 1 HP / Single phase						
Pump Model Number							
Pump capacity *	12.4	gpm					
Total dynamic head	73.1		31,63				
Total gain or loss from pump to field	12.4		5.38				
Pressure loss/gain in 100 ft. of pipe	3.99		1.73	psi			
Elevation change. (if downhill enter 0)		ft.					
Height from pump to tank outlet		ft.					
Equivalent length of fittings		ft.					
Length of supply line	336			_			
 Supply line - Minimum Pressure head required to get from Size of supply line in inches 	n pump tank t		uriprie	u			
Completion Minimum Description hand applied to 14 fee	n numn tart. t	a tan at	deladia	-			
Total loss through drip components	14,44	ft.	6.25	psi			
Other pressure losses		ft.		psi			
Flow meter pressure loss (not in diagram)	0.58	ft.	0.25	psi			
Zone valve pressure loss (not in diagram)	2.31	fl.	1.00	psi			
Filter	11.6	ft,	5.00	psi			
Drip components - Losses through headworks	er regissers i	GO 10 HOX	C SEE				
SPECIFIED pressure at beginning of dripfield (from workshill) Great SPECIFIED Pressure is greater than CALCULATED Pressure.	46.2		20.00	psi			
PALTULATED pressure required at beginning of dripfield	42.11	Jt.	18.23	-			
+B. Minimum Pressure required at beginning of dripfield	1 (2.11	<u>а</u> Т	10.22	:			
	57.05	<i>J</i> *s.	15.00	pa.			
Total minimum required dripline pressure	34.65		15.00				
Minimum pressure required at end of dripline Loss through dripline during flushing	18.48		7.00 8.00	-4			
Fill in the length of longest dripline lateral	300 16,17		7.00				
3. Dripline - Losses through Wasteflow dripline	7	<u>. T</u>					
Total pressure loss from end of dripline to return tank	7.5	ft.	3.23	psi			
Pressure loss in 100 ft of pipe	0.13		0.05				
Elevation change. (if downhill enter 0)	7	ft.					
Equivalent length of fittings	26	ft.					
Longar of retain ting	1 220	-					

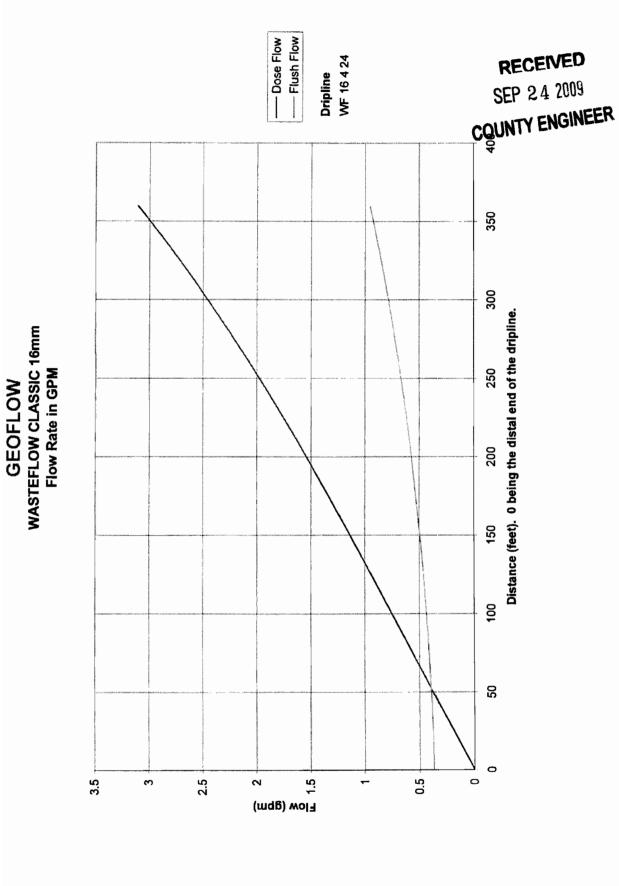


Geoflow, Inc. Pump Selection Worksheet, V.2003H

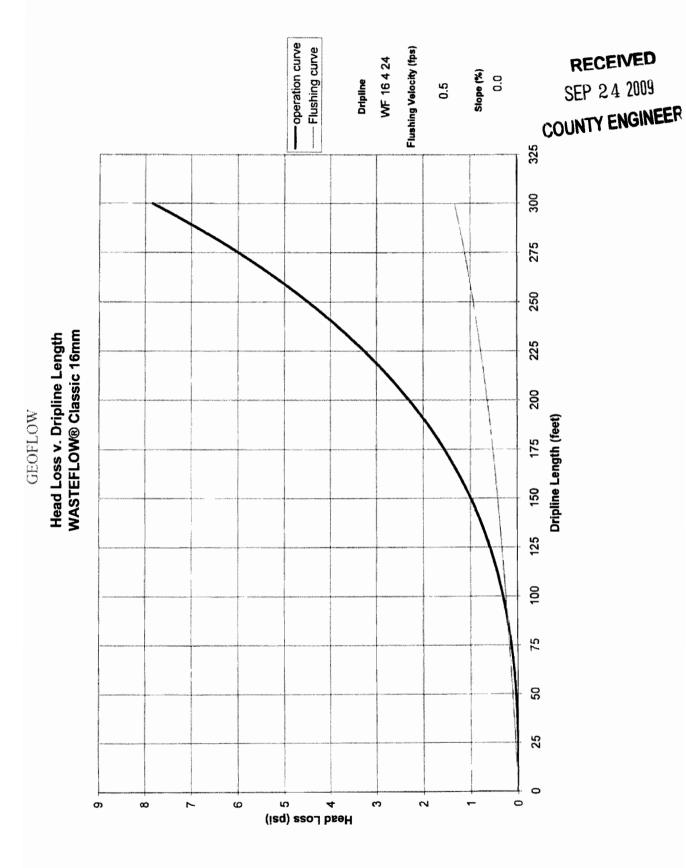
8/28/2009

TETRATECH	CLIENT RANDOLPH AF		DATE _ 28 AVL 0	
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	Re-Permit			
DRUP SYSTEM WE BALED UPON AS IN DERMIT #	HULL DESIGN DATE (LANGE)	PROM BUSTING S	pecifications ystem provided	1
INFORMATION THULU	No of La	menals - 5 fm	ZONE 1, 5 %	COUNTY ENGI
· Sine of Mamline	2" SCH 40 PVC	ه لومعرب	OF M=12 UNEX - 3	36'
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THE FOLLOWNL WA	s assumed on calculat	EØ	300000000000000000000000000000000000000	<u>i</u>
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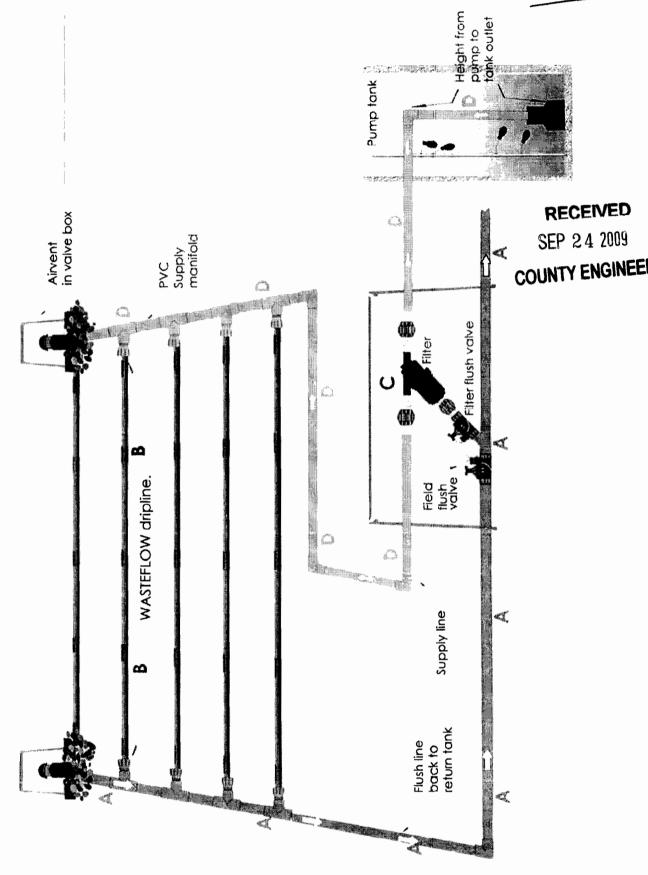
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REVISED 91989



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Wasteflow Classic Typical System Layout for Analysis



Pump Specified for the Whitewater Filter System as installed.

4" SUBMERSIBLE PUMPS - 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR**"

T series – Thermax™ (thermoplastic)

Precision-engineered, corrosion resistant T Series -Thermax pumps in 5 to 25 GPM deliver efficient. dependable performance even in rough, aggressive water. Heads to over 900 feet and capacities to 35 GPM. Built to deliver long-term, trouble-free service.

- Wide Range of CPM and HP Ratings Available – Pump models to fill most all of your needs
- ▶ Precision Molded Thermax™ Discharge Head - Strong corrosion resistant and lead-free
- Built-in Flomatic* brand spring-loaded check valve poppet -Positive sealing, fieldproven, non-spin design
- Lubricated and Sealed Top "A+" Bearing ~ Seal keeps out sand. Lubrication prevents failure in dry run and gaseous well situations
- Precision Molded, High-Impact Thermax" Impellers "Float" in Diffuser Stages Fitted with Stainless Steel Wear Rings - Superior sand handling and dry run capacities. No shims needed here!
- Stainless Steel Cable **Cuard** - Protects motor leads
- I Cast Stainless Hardware and Precision Machined Pump Shell -Strong and corrosion resistant
- Precision Molded Thermax™ Motor Bracket with Wrap Around Suction Screen -Strong and corrosion resistant with screen that prevents debris from entering pump
- Aermotor Pump -Oriven by two- or three-wire waterubricated motors with thermal overload and built-in lightning protection. Reliable, corrosion resistant, internationally recognized submersible motor built to NEMA standards and UL approved.



EIVED Sub mersible pumps

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specifications

Discharge Head - Minlon* (Nylon), 1-1/4" NPT

Pipe Stop - Minlon* (Nylon), I-1/4* NPT

Internal Check Valve - Acetal poppet, 300 grade stainless steel spring, nitrile Buna-N seal

Pump Shell - 304 grade stainless sted

Motor Bracket - Minlon* (Nylon)

Intake Screen - Polyethylene

Cable Guard - 304 grade stainless steel

Cable Guard Screws - 300 grade stainless steel (18-8)

Pump Shaft - 300 grade stainless steel, 1-1/2 HP and larger

Motor Coupling - 316 grade stainless steel

Spacer Sleeve Journal, Bottom - 316 grade stainless steel

*400 grade stainless steel - 1/2 and 1 HP

Bearing Sleeve Journal, Top - 316 grade stainless steel

Stage Diffuser - Class-filled Norvia

Diffuser Insert - 300 grade stainless steel

Impeller - 5-22 GPM, Lexan* 25 CPM: Glass-filled Noryl*

A+ Top Bearing - Delrin* (Acetal)

Stage Disc Plate - 5-22 CPAt Delrin* (Acetal): 25 GPM: Glass-filled Noryl*

Disc Plate Wear Ring - 5-22 CPM: N/A: 25 GPM: 300 grade stainless steel

Upthrust Disc (5 GPM Models) -5-22 CPM: Phenolic, 25 CPM: N/A

Bearing Seal Ring - NSF 61 Nitrile

Motor Lead Protector - Temfler

Senated Nuts (Motor Studs) - 300 grade stainless steel (18-8)

application

Water Systems...for residential. industrial, commercial, multiple housing and farm use

certification



This product is Listed to LIL and CSA Standards for Safety by CSA International

Defrint and Miniort are registered trademarks of E.I. DuPont de Nemours and Co. Floratic' is a ngistered trademork of Floratic Corp. Nords and Temflers are negistered trademarks of Core Electric Co. Thermor's a trademark of WICOR Industries.

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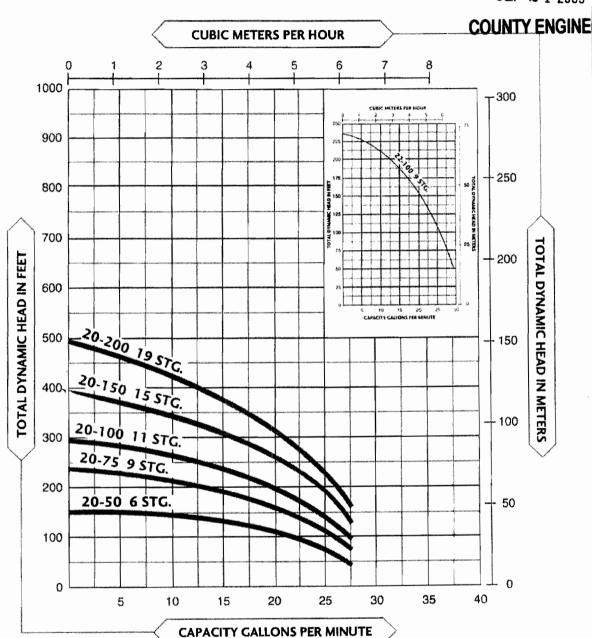
4" SUBMERSIBLE PUMPS – 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR**

T series – Thermax[™] (thermoplastic)

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20 and 22 GPM pump performance



SHADED AREAS INDICATE MOST ECONOMICAL RANGE



4" SUBMERSIBLE PUMPS - 5, 8, 12, 16, 20, 22 AND 25 GPM **AERMOTOR**"

T series – Thermax™ (thermoplastic)

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20 and 22 GPM pump performance

Pumping capacities in gallons per minute at indicated discharge pressures in pounds per square inch.

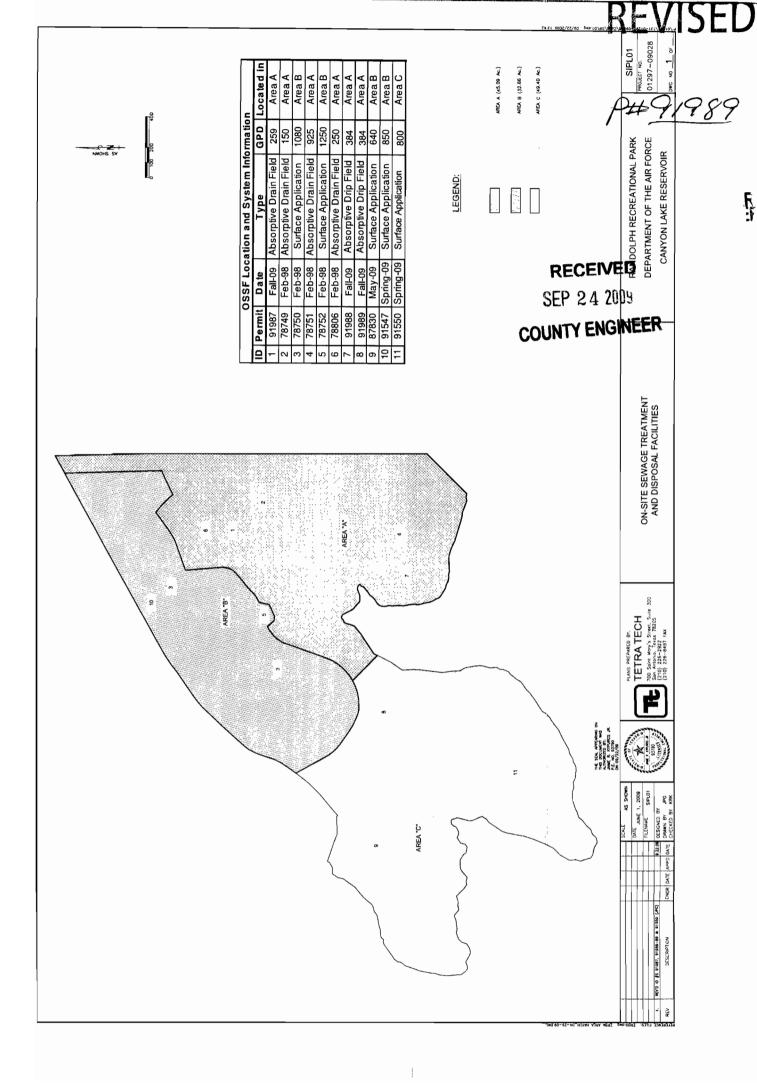
1-1/4" NPT DISCHARGE

Model	***************************************			Depth to Water in Feet												Shutoff Head					
Number	HP	PSI	PSI 20 40 60 80 100 125 150 175 200 225 250 275 300 350 400 450 500							FEET	PSI										
20-50 1/2		20	25.0	22.5	19.7	15.7					***************************************							-		***************************************	
		30	20.2	16.5	13.5	8.5		1					1	*	- continues		Become second				67
	1/2	1/2 40	18.8	13.2				1			***************************************			****************		***************************************	,		1	156	
(6-STG)	(6-314)	50	10.8													S-a-s Kryen-Walde					
		60																	"		
		20	-	-	_	23.3	21.3	17.0	11,7				-		**************************************		***************************************			***************************************	101
20-75	-	30		25.0	23.2	21.0	19.7	12.3							***************************************						
	3/4	40	24.8	22.8	20.3	17.3	12.7													234	
(9-STC)		50	22.5	20.2	16.8	11.8			5									,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
		60	19.7	16.2	11.3																
		20		-			24.2	22.1	19.7	15.8	10.4										123
20-100	- Control of the Cont	30			-	23.9	22.2	19.8	16.2	11.0											
	1	40	_	23.5	21.9	20.0	16.5	11.3												285	
(11-STC)		50	21.5	20.5	19.5	17.0	15.2	11.0										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
		60	23.2	21.5	19.3	16.3	12.2											4			
		20			-	25.8	24.1	22.8	18.8	14.2											101
22-100		30		25.7	23.7	21.5	19.5	14.7													
	1	1 40	25.4	23.5	21.2	18.5	16.5													231	
(9-STG)		50	23.3	21.0	18.0	14.3															
		60	20.5	17.7	13.5																
		20		***	-	***	~	A-9a-	24.1	22.5	20.8	18.5	15.7								TOTAL MAN
20-150		30	180	960		-	-	24.3	22.7	20.9	18.7	16.0	12.3								CONTRACTOR
(15-STG)	1-1/2	40	-5m2		_		Accessed the second second	www.commerces	21.0	£	**************	12.5						>		386	167
(13-310)	deliberation of the second	50	-94	***		24.2	22.8	21.2	19.0	16.3	12.8										
		60			24.0	22.7	21.3	19.2	16.7	13.2										and the same of th	
	***************************************	20		*****************************		*	***	**	vén	24.8	23.5	22.0	20.5	18.9				~~~			
20-200	VA	30			-	-	_	***	24.9	23.6	22.2	20.7	19.0	17.2							
(19-5TG)	2	40	***		-		~4	25.0	23.7	22.3	20.8	19.1	17.3			A. de par-				483	209
(13-310)		50	#rq	er		1.84	25.0	23.8	22.3	20.9	19.2	17.5				ANTICOT TO THE					
2420	-	60			-	25.0	23.8	22.5	21.2	19.4	17.7	15.7	13.0								

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Site Boundary and Location Maps



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Relevant Manufacturer Design Information



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WHITEWATER® FILTER/DRIP SYSTEM

MODEL 8115 / 8230

P.O. BOX 969, DENHAM SPRINGS, LA 70727 (225) 665-6162 – Telephone (225) 664-9467 – Fax Revised11.26.2007



The Whitewater® Filter/Drip System consists of the following basic items:

- 1. Whitewater® Aerobic Treatment Plant
- Dose Tank
- 3. Pump
- 4. Filter System
- Valves
- 6. Control and Alarm Panel
- Wasteflow Emitter Line and Accessories

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Treated effluent water from the Whitewater® aerobic wastewater treatment plant spills into an underground dose tank that is sized in accordance with State requirements. Treated water is temporally stored in the dose tank until disposal in the drip disposal field.

The control panel contains a programmable logic controller (PLC) that periodically turns the pump, located inside the dose tank, on and off. The pump pumps water from the dose tank to the filter located inside a ground level box. The filter removes all particles greater than 100 microns (150 mesh) in size. At the beginning of each pumping cycle, the PLC turns the pump on, and sequentially opens and closes the flush valve that allows the filter to wash for a set period of time, after which the water is pumped through the filter to the disposal system. Approximately once per week (field adjustable), the system field flush valve opens to flush the disposal system of any solids that have built up. Sequential flushing is done for each zone during subsequent pump cycles. The flush water along with any impurities removed by the filter is returned to the wastewater treatment plant for further treatment. The control panel is furnished with a Hand-Off-Auto switch located in the panel. The hand mode overrides the PLC timer so the pump can be manually turned on. When the level of water in the dosing tank is low, the pump float switch will be in the off position, disabling the pump. The control panel also contains a high level alarm that will sound if a high level is reached in the dose tank which may indicate a system malfunction.

The filtered effluent is pumped through the supply line to flexible polyethylene tubing with large turbulent flow labyrinth or pressure compensating emitters uniformly spaced along the line. Effluent is uniformly distributed over the entire absorption field using a low flow rate.

Absorption field size is determined by, soil type, site characteristics and daily wastewater flow. The field size varies depending on soil texture and permeability. The absorption field should be situated on the best soil and landscape position of the site. Separation between the bottom of the emitter pipe and any underlying restrictive horizons (seasonably high water table) can be as little as 6 inches or as regulations require. The emitter lines should be installed between 6 and 18 inches deep depending on soil and site characteristics.

An absorption field installed on slopes should be carefully designed to take into consideration elevation changes and emitter line placement due to gravitational pressures. The treatment plant, dosing tank and filter unit should not be placed in low areas in order to prevent subsurface or surface runoff from returning or flooding the units.

Once the soil and site evaluation has been completed, the most suitable location and size of the absorption field is selected. Depending on the hydraulic loading rate of the soil, the linear feet of emitter pipe and number of zones are determined. It is also important that each zone is placed along the ground contour. The configuration of the zones may vary in shape.

The PLC controller must be set in the field as system flow and the number of zones will vary from site to site. The pump run time is factory set, but can be changed in the field.

The number of pump cycles is factory set at 12 per day (field adjustable).

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Example Using Geoflow Classic Tubing:

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System flow - 600 gallons per day (GPD)

Total length of emitter pipe - 1260 feet

Number of zones - 2 at 630 feet each

Number of pump cycles - 12 (factory set)

Zone capacity - 6.4 gallons per minute (GPM)

Number of gallons pumped per pump cycle =

600 GPD = 50 gallons per pump cycle 12 pump cycles per day

Run Time = 50 gallons per pump cycle = 7.81 minutes 6.4 GPM

Using a safety factor of 1.5, set time at 1.5 X 7.81 = 12 minutes

Pre-Engineered Subsurface Drip Disposal Systems By Delta Environmental Products, Inc.

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TABLE 1

/ |

8115-1/2 HP

Drip Tubing	Drip Tube per Zone	Laterals per Zone	Length per Lateral	Max. Number of Zones per System	Pressure Regulator	Zone Discharge in GPM
Geoflow Classic	029	3	210	9	20 PSI	6.4
Geoffow PC .53	1320	9	220	9	40 PSI	5.8
Geoffow PC 1.01	05/	3	250	9	40 PSI	6.3
Netafim Bio-Line PC .61	1200	3	400	9	40 PSI	9

8230-1 HP

Drip Tubing	Drip Tube per Zone	Laterals per Zone	Length per Lateral	Max. Number of Zones per System	Pressure Regulator	Zone Discharge in GPM
Geoflow Classic	1500	7	215	9	20 PSI	15.3
Geoffow PC .53	2400	æ	300	Ø	40 PSI	10.6
Geoffow PC 1.01	1750	9	250	9	40 PSI	14.6
Netafim Bio-Line PC .61	2100		300	9	40 PSI	10.7

Note: Each system is designed to be hydraulically balanced with a maximum 300 feet of supply line between the pump and the inlet to the drip field with a maximum elevation difference of 30 feet.

Consult Delta Environmental Products, Inc. for alternate designs.

FILTER SYSTEM SPECIFICATIONS MODEL 8230-1HP WITH GEOFLOW CLASSIC

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OPERATING PARAMETERS

Motor/pump size

Pressure at outlet of regulator Maximum particle size

Pump cycles

Electrical requirements

1H.P. (Standard) 20-PSI nominal

100 microns 12 times per day (Factory Setting)

230V/1/60 20 amps

COMPONENTS AND MATERIALS

Pump/motor

Piping system Valves

Pressure regulator

Control panel

Solenoid valves Filter

Dripline

Stainless steel submersible

Schedule 40 PVC Glass reinforced nylon

Thermoplastic with stainless

steel hardware Nema 4X Fiberglass

Encapsulated 24 Vac

150-mesh screen with thermoplastic

housing

1/2" plastic tubing with nominal 1 GPH

turbulent non-compensating emitters

PARTS LIST

<u>Item</u>	Item No.
Dose tank	1
Pump/motor	2
Low level alarm float (normally closed) (optional)	3
Pump on/off permissive float switch	4
Override timer reset float switch	5
Override timer float switch	6
High level alarm float switch	7
Vacuum release valve 8	
Rectangular filter system box	9
Filter	10
Filter flush valve	11
Flow meter (optional)	12
Field flush valve	13
Pump access riser	14
Control panel	15

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INSTALLATION INSTRUCTIONS

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- Prepare an excavation with an opening approximately one foot larger than the dose tank and a depth that will allow water to freely flow from the treatment plant into the dose tank. Backfill with a 6 inch layer of sand or gravel if otherwise unable to provide a smooth, level, compact base. Install the pump access pipe into the dose tank through the top of the tank and seal. Provide a sufficient length of pipe to extend into the pump access riser about 4 inches. We recommend that the hole be roped off in some fashion to prevent injury to passers by.
- Fill the dose tank with clean water before back filling. Backfill around the tank approximately 12 inches below ground level. Backfill material should be placed in 12 inch layers and tamped to insure maximum skin friction between dose tank and surrounding ground.
- 3. Position the electrical conduit in the ground between the pump access riser and the filter box. Drill a 1-3/4" hole in the pump access riser for the pump outlet pipe and a 7/8" hole for the electrical conduit. Install round pump access riser and rectangular filter system access box so that they are flush with ground level, and high enough to prevent surface water from entering them.
- 4. Install a schedule 40 PVC pipe of sufficient length to extend from the pump into the round pump access pipe and have enough room to attach the vacuum release valve and union. Install the vacuum release valve and union using appropriate fittings.
- 5. Attach the float switches to the discharge pipe using clamps furnished by Delta. Adjust the position of the clamps as shown on the drawings or as required to insure that the pump stops at the minimum operating water level and turns on at about 1'-0" above this level, and that the alarm sounds at high level position. Set the other floats where shown.
- 6. Install the entire pump assembly through the pump access riser. Install the electrical cables and connect the union from the pump outlet to the filter system. Use silicon to seal around exiting piping.
- 7. Connect the filter system outlet pipe to the drip line pressure regulator that attaches to the supply manifold. Connect the drip line return manifold to field flush valve, located in the filter assembly. Connect the outlet of the field flush valve to the inlet of the treatment system.
- 8. Attach control panel to suitable mounting surface using all four mounting holes on back of box. Use proper screws of sufficient length to insure a secure and permanent mounting.
- 9. Control panel is rated for outdoor service, however do not place it where it can be immersed in rising water or where run-off water such as from a roof will fall on it. Also do not mount it where it is subject to wetting from sprinklers, hoses, etc. Mount control panel where there is a minimum working space 30" wide and 6' high.
- 10. The control panel must never be connected to a circuit that is not properly grounded. Never plug the unit into a receptacle that has a 2 pole to 3 pole grounding adapter attached. If there is any doubt, have a qualified electrician check for proper grounding. The control panel must be connected to an electric source equipped with a ground fault current interrupter (GFCI) circuit breaker or GFCI receptacle. A standard receptacle can be replaced with a GFCI receptacle. GFCI breakers and

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receptacles can be obtained from most stores that sell electrical supplies.

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- 11. The wire from the filter system to the control panel if direct buried MUST BE TYPE UF rated for underground service. It must be buried a minimum of 2 feet below the final grade and must be protected by conduit where it exits the ground as shown on installation drawings. Conduit must extend a minimum of 1'-6" below ground where the wires rise from the ground to the control panel. These requirements are per the National Electric Code. Check with local authorities to see if they have more stringent requirements. Schedule 40 PVC is shown, note this is conduit not water pipe. However, if the conduit is subject to physical damage, you must use schedule 80 PVC conduit and appropriate fittings.
- Wire the solenoid valves as shown on the drawings.
- 13. Verify that all electrical systems are connected and secure.
- Close cover on control panel and connect control panel to a ground fault current interrupter (GFCI) circuit.
- 15. Verify proper pump operation by observing pump while manually operating pump float switch. Pump must not be run unless immersed in water. Verify alarm system by manually operating alarm float switch. Pump and dispose of all clean water in the tank. Verify that 1'-2" of water remains inside the tank when pump stop float switch turns pump off. Verify operation of the floats by observing PLC input screen.
- 16. Install a 2-inch layer of gravel in the access boxes and complete back filling the site.
- 17. Install drip line 6 to 8 inches deep, but not to exceed 18" below ground. The drip line should not be stretched during installation or damage may occur.
- Install the system header first: Typical layout will be Filter Unit, Zone Valve (if required) and pressure regulator at each individual Drip Zone. Then install the PVC schedule 40 supply lines. These should be buried at a depth of 12 to 18 inches, 4 to 12" below the depth of the WASTEFLOWR lines. If there is a risk of freezing, bury mainlines below the frost line. At all times avoid getting debris into the system. Flush main lines, test for leaks and leave them full of water. Larger diameter pipes left full of air in a trench that has not been compacted may "float". System must be installed per drip line layout drawings.
- 19. Open trenches for the sub-main manifold and flush line manifold. These trenches should be 8 to 10 inches deep. At the beginning of the drip line trench construct an earth damp above drip line elevation and lay drip line over earth damp to manifold. This will prevent water from draining from drip line.
- 20. Clean sub-main and flush line manifold trenches, moisten and compact the bottom of the trench. (If this is not done, the manifolds may "settle down" and slowly pull out the couplings). Assemble the sub-main manifold outside the trench if practical. Connect to main PVC lines and to the system header. Flush these lines. A high water velocity is required to carry away debris that may have entered the pipes before or during installation. Place the sub-main and flush manifolds into the trench.
- 21. Install drip lines on contour, not perpendicular or up and down, etc. to the slope. No two drip laterals in



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the same zone should have more than an 8 feet elevation difference, when using Goeflow Classic.

- 22. Maximum lateral length, for standard zones are as indicated in Table 1, consult Delta Environmental Products, Inc. for alternative zones.
- 23. Minimum lateral spacing must be 2 feet, except for special design.
- 24. Lateral spacing of three feet or more should be used for slopes of 20% or greater.
- 25. Install air vent/vacuum breakers at the high end of each drip zone supply and return manifold. Air vents/vacuum breakers to be placed in protective enclosure to prevent an accumulation of substances that could prevent their proper operation and they must have a grade level access
- The size of the installation, type of soil, slope, availability of labor and cost will determine the best installation method. During installation cover all open pipe ends including drip lines to avoid getting dirt or debris into the system. Leave enough length at the beginning and end of each drip line for connections. It may be more convenient to finish the last foot or so of the trench by hand. This gives more room for connections. Beware of bending the drip tubing too tight during installation. Do not bend tubing at the 24" radius loops or the pipe may kink, reducing the flow. Use 1/2" flexible PVC pipe and fittings to loop emitter pipe. The drip line will elongate at high temperatures, do not store in direct sun light. To prevent stress due to contraction always leave tube snaked from side to side of trench (1' per 100') or when plowing leave slack at supply and return manifold. Connect drip lines to sub-main and flush manifolds. Flush again. Run the system before covering and check for leaks.
- 27. Install schedule 40 PVC for return flush line. Run return line back to the filter system. The electric solenoid valve that operates the flush line is part of the filter system. Install schedule 40 PVC drip flush line and filter flush line back to the treatment plant as shown on the drawings.
- 28. To over come the lack of depth to a restrictive horizon and/or seasonal water table a clean fill material of loamy sand, sandy loam or light loam may be used as fill. The fill material shall consist of a minimum of 70% sand particles equal to or greater than 0.25 mm. Clay content shall be 20% or less. Organic matter should be removed prior to placing fill material. If not the site must be plowed to prevent an organic sealing layer from forming. Fill material should be applied over the entire area in a shallow layer (3 inches) and then be tilled into the natural soil to prevent a textural interface from forming. When fill is used, the entire area must be covered with sod to prevent erosion or other erosion control measures taken.
- Whenever possible, spend time with your customer. Review operation instructions. Be sure that the customer has a manual to keep with them, this may avoid an unnecessary return visit.



SEP 24 2009

COUNTY ENGINEER

DELTA ENVIRONMENTAL PRODUCTS, INC. FILTER SERVICE POLICY

INITIAL POLICY:

The manufacturer or the distributor through the dealer shall furnish a two-year initial service policy to the user. This policy is included in the original purchase price and shall provide the following:

- An inspection/service call every six months, which includes inspection, adjustment, and servicing of the mechanical and electrical component parts as necessary to ensure proper function.
- 2. If any improper operation is observed which cannot be corrected at that time, the user shall be notified immediately in writing of the conditions and the estimated date of correction.

CONTINUING SERVICE POLICY:

An annually renewable service policy affording the same coverage as the Initial Service Policy is available. Consult your dealer for pricing information.

PARTS:

Replacement parts or components may be obtained from your local distributor or directly from Delta Environmental Products, Inc.

COMPLAINTS:

In order for Delta Environmental Products, Inc. to properly address any complaints we require that you put in writing the date and nature of the complaint as detailed as possible. This <u>must</u> include the Serial Number of your system.

Send to:

Delta Environmental Products, Inc.

P. O. Box 969

Denham Springs, La. 70727-0969



SEP 24 2004

GENERAL DESCRIPTION OF OPERATION

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- 1. Upon power up at panel there is a 2 minute time delay before the pump starts.
- 2. After this time delay, the pump will start and run for a set period of time, then turn off for another set period of time.
- 3. When the pump starts, the filter flush valve will open for a set period of time then close.
- 4. After a set number of pump starts, the field flush valve will open for a set period of time after the pump starts and after the filter flush valve closes.
- 5. The field flush cycle will repeat itself on each subsequent pump cycle for the number of fields connected to the system before resetting.
- 6. In a normal cycle, the field flush valve can be opened for a period of 60 seconds by momentarily pushing the "Field Flush" toggle switch up then releasing it. This can be repeated for additional flushes.
- 7. At the end of each pumping cycle, after the pump shuts off, both the filter flush and field flush valves will open for a set period of time then close.

DESCRIPTION OF CONTROL FLOATS

- 1. Float FS1 is a wide angle float that when up, permits the pump to run and when down, keeps the pump from running and pumping dry. Note that by placing the HAND-OFF-AUTO switch in HAND position, will by-pass all floats and the pump will pump dry if held in that position long enough. The switch spring returns to OFF when released. After FS1 activates, there is a one minute delay before the pump will start if being called to run before the float activates.
- 2. Float FS2 is the override timer reset float and FS3 is the override timer float. These floats operate together. If the water level reaches FS3 while in an OFF period, the pump will start and the OFF period time will change to the setting in block B02. The run time remains as set in B01. The shorter OFF time will remain until the water level reaches FS2 after which the OFF time reverts back to the normal B01 setting.
- Float FS4 is the high level alarm float. When the water level reaches this float, the high level alarm light illuminates continuously, and the audible alarm sounds continuously. The audible alarm can be silenced by the silence switch. When the high level water level recedes, the alarm will stop.
- 4. Float FS5 is an optional float that can be installed below FS1 that will cause an alarm at low water level. Low level alarm operation is identical to the high level alarm operation except the alarm light will flash and the audible alarm will sound intermittently.
- 5. Floats FS2, FS3, FS4 can be low current, normally open. FS1 must be of the wide angle type. FS5 can be low current, normally closed.

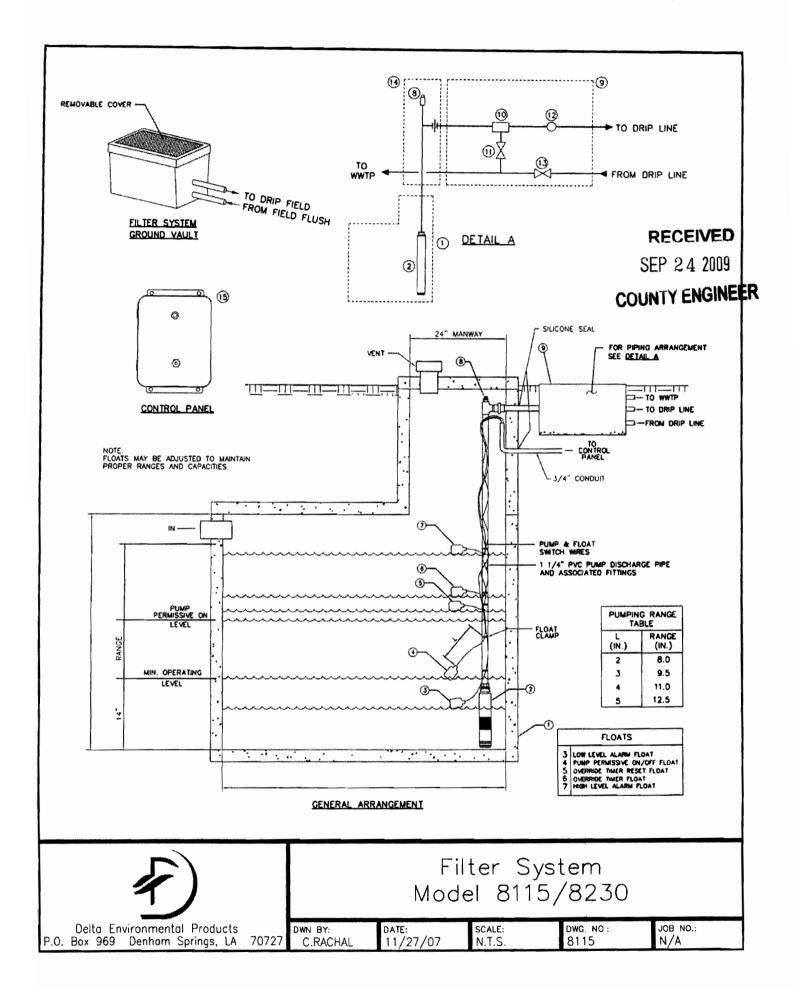
PLC PARAMETERS

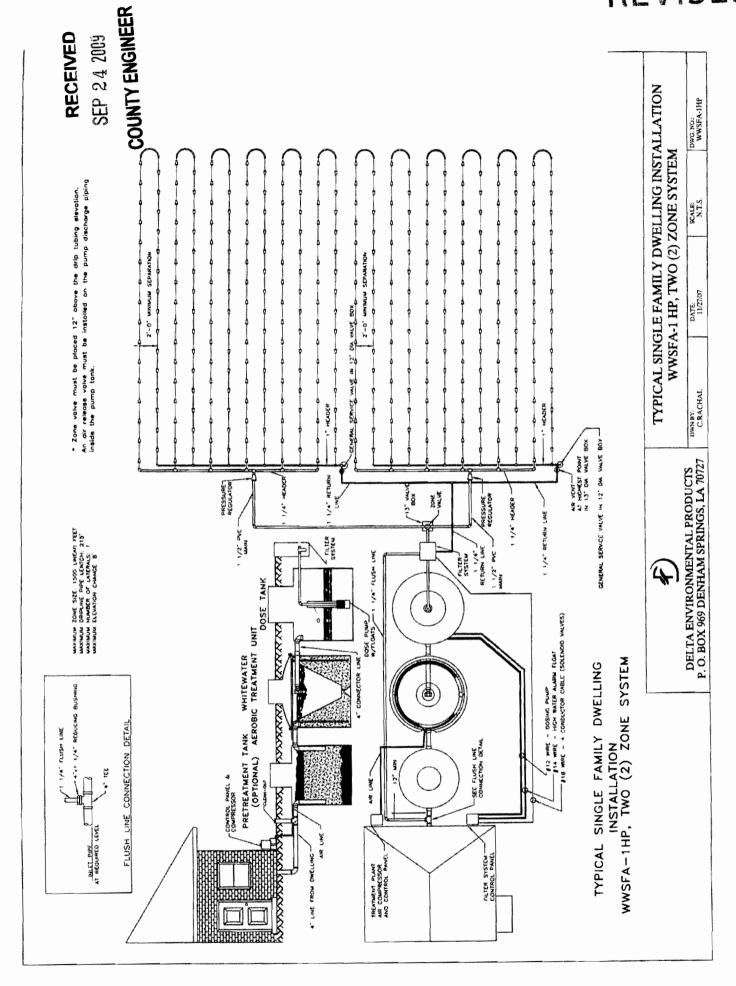
BLOCK	DESCRIPTION	FACTORY SETTING	PLC NOMENC	LATURE
B01	TH = Run time TL = Off time	12 Minutes 2 Hours	12:00m 02:00h	RECEIVED
B02	Off time during override period	1 Hour	01:00h	SEP 24 2009 COUNTY ENGINEER
В03	Filter flush time after pump turns on	1 Minute	01:00m	
B04	Filter drain time after pump turns off	2 Minutes	02:00m	
B05	Field flush time normal operation	2 Minutes	02:00m	
B06	Field drain time after pump turns off	2 Minutes	02:00m	
B07	Number of fields	4	4	
В08	Number of cycles until 1st field flush	84	84	
В09	Field flush time when field flush switch is pressed	1 Minute	01:00m	

Note: Minute settings are in minutes and seconds. For example 02:00m is 2 minutes, 02:10m is 2 minutes and 10 seconds. Hour settings are in hours and minutes. For example 02:00h is 2 hours and no minutes, 02:10h is 2 hours and 10 minutes, and 00:12h is 12 minutes.

In addition to the settings above, various other parameters can be viewed as follows:

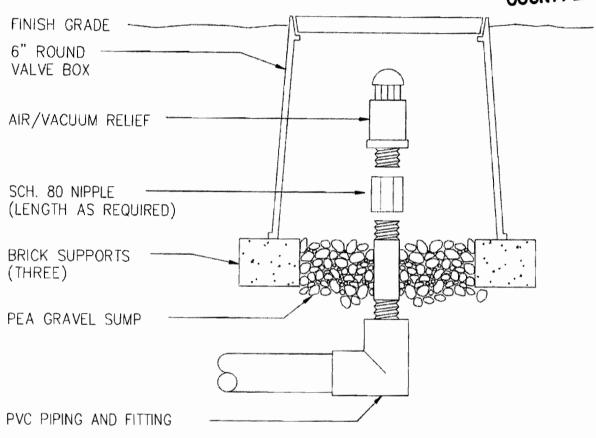
- Pump run time hours
- Pump start counts
- Level override counts
- High level counts
- Switch to hand counts





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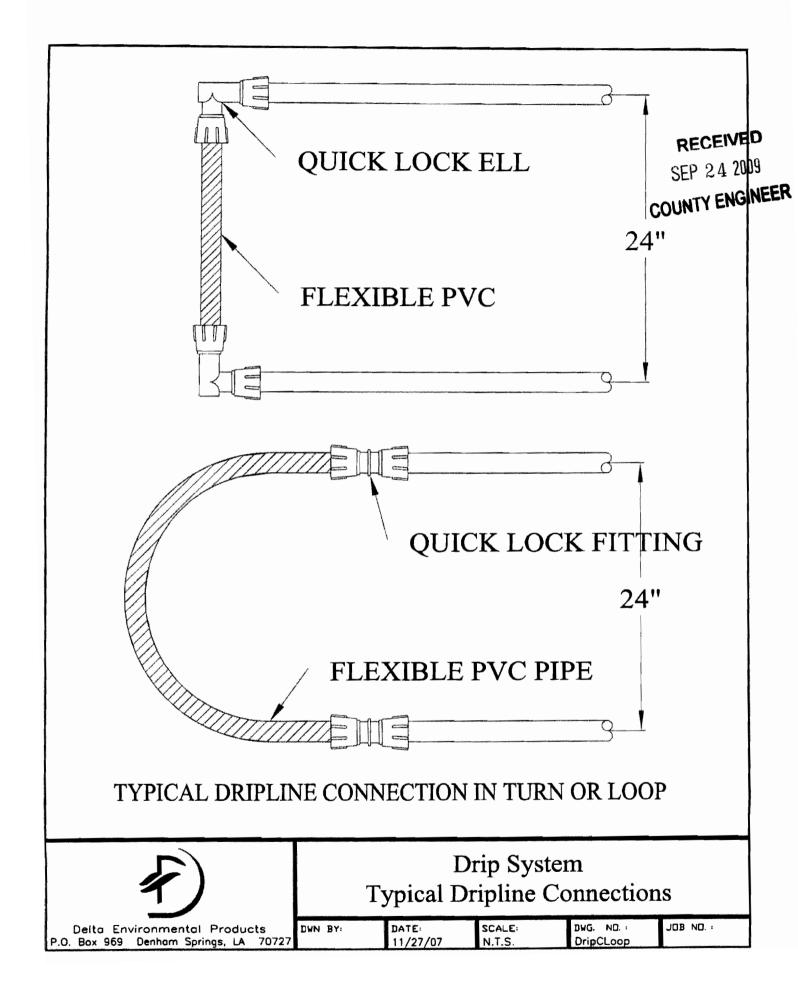
1" AIR/VACUUM RELIEF PLUMBED TO PVC ELL

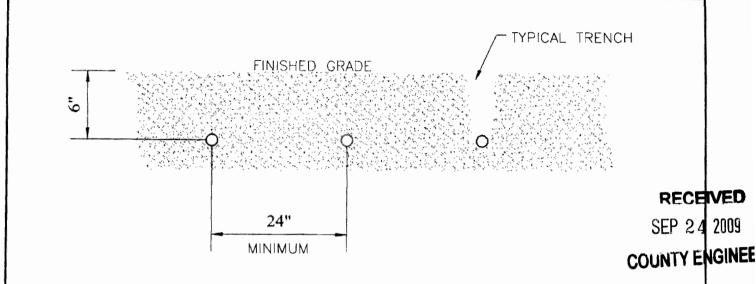


Drip System
Air/Vacuum Relief

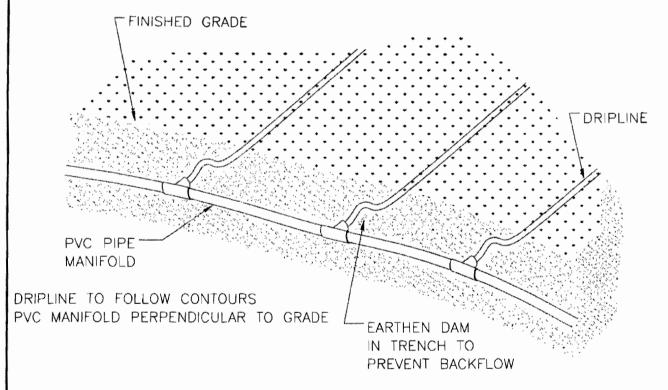
Delta Environmental Products P.O. Box 969 Denham Springs, LA 70727 DWN BY: D. Morgan DATE: 11/27/07 SCALE: N.T.S.

DVG. NO.: DripAirVent JOB NO. :





TYPICAL DRIPLINE INSTALLATION DETAIL



TYPICAL DRIPLINE INSTALLATION DETAIL



Drip System Typical Dripline Connections

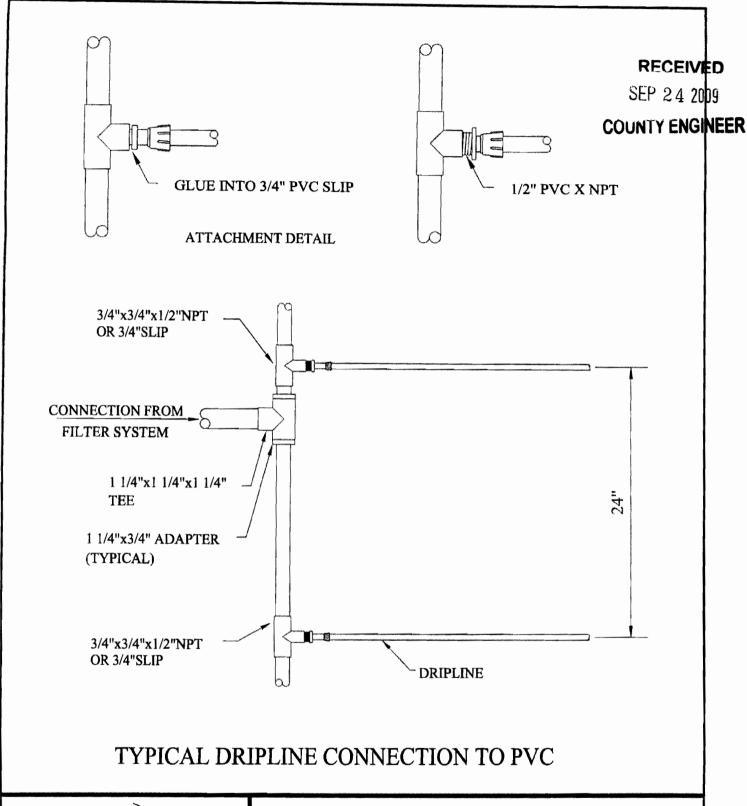
Delta Environmental Products P.O. Box 969 Denham Springs, LA 70727

DWN BY:

SCALE: N.T.S.

DATE: 11/27/07

DWG. NO.: DripInstDet JOB NO. :





Delta Environmental Products P.O. Box 969 Denham Springs, LA 70727 Drip System
Typical Dripline Connections

DWN BY:

DATE:

SCALE:

DWG. NO.:
DripConPVC

JOB NO.:



Comal County

OFFICE OF COMAL COUNTY ENGINEER

July 16, 2009

David Gwisdalla Tetra Tech 700 N. St. Mary's St. Suite 300 San Antonio, Texas 78205

Re: Randolph Recreation Park, Canyon Reservoir Tract 117, Permit # 91989
Application for Permit of Authorization to Construct an On-Site Sewage Facility
(OSSF) and License to Operate

Dear Mr. Gwisdalla,

We received planning materials for the referenced permit application on July 10, 2009, and found those planning materials to be deficient. In order to continue processing this permit, we need the following information:

No Submit a detailed design plan for this permit identifying all OSSF components, water supply lines, separation distances, etc.

2. New calculations must be submitted showing how the existing OSSF will accommodate the additional shelters.

2. Identify the number of shelters being permitted on the permit application.

4. All piping from unpermitted shelters must be made available for inspection.

45. All planning materials must be signed.

6. Correct above as necessary and resubmit.

We realize this permit is important to you, to help speed up the process the above information may be faxed. Thank you for your patience and assistance.

Sincerely,

Brenda Ritzen, OS7772

Environmental Health Coordinator

Specifications for the Whitewater Filter System installed, and part of the as-built data in the original permit (#85261) were included as part of the planning documents for reference on the design and operation of the system.

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FILTER SYSTEM SPECIFICATIONS MODEL \$230-1HP WITH GEOFLOW CLASSIC

OPERATING PARAMETERS

Motor/pump size
Pressure at outlet of regulator
Maximum particle size
Pump cycles

Electrical requirements

COMPONENTS AND MATERIALS

Pump/motor
Piping system
Valves
Pressure regulator

Control panel

Control panel
Solenoid valves
Filter
Dripline

1H.P. (Standard) 20-PSI nominal 100 microns 12 times per day (Factory Setting) 230V/1/60 15 amps

Stainless steel submersible
Schedule 40 PVC
Glass reinforced ryton
Thermoplastic with stainless
steel hardware
Nema 4X Fiberglass

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Encapsulated 24 Vac 150-mesh screen fiter/thermoplastic 1/2° plastic tubing with nominal 1 GPH turbulent non-compensating emitters

Lana Ma

PARTS LIST

l <u>tem</u>	ttem No.
nean	1
Dose tank	2
Pump/motor	3
Low level alarm float (normally closed) (optional)	, Å
Pump start/stop float switch	5
Override timer reset float switch	6
Override timer float switch	7
High level alarm float switch	8
Vacuum release valve	9
Rectangular filter system box	10
Filter	11
Filter flush valve	12
Flow meter (optional)	13
Field flush valve	14
Pump access riser	15
Control panel	

Page 7 of 8

RECEIVED SEP 24 2009 COUNTY ENGINEER REVISED 12" DRIP FEED 1/2" RETURN (FLUSH) 4" EQUALIZATION LINE RECEIVED MAY 24 2004 ENVIRONMENTAL HEALTH 34" FUSH UNE

TANK MANIFOLD DETRIL
(NO SCALE: SCHEMATIC LATOUT ONLY)
BY: JESSE R. GUERINO, Jr., A.E.
AIZBLOT

3º UNE



3" LINE

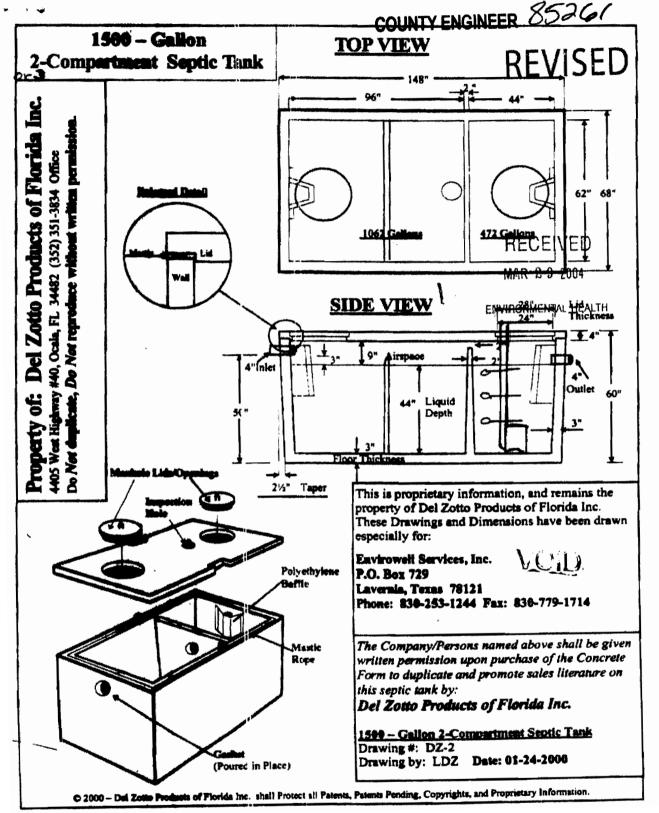
SEP 24 2009



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subject _ ج	rem Design /	Repeand		A CMITOPITO	SHEET	_ of _ <u>⊆</u>
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KEVISED PAT 91989

SEP 24-2009



SEP 24 2009

TETRATECH

CLIENT RANDOLPH PES

COUNTY ENGINEER

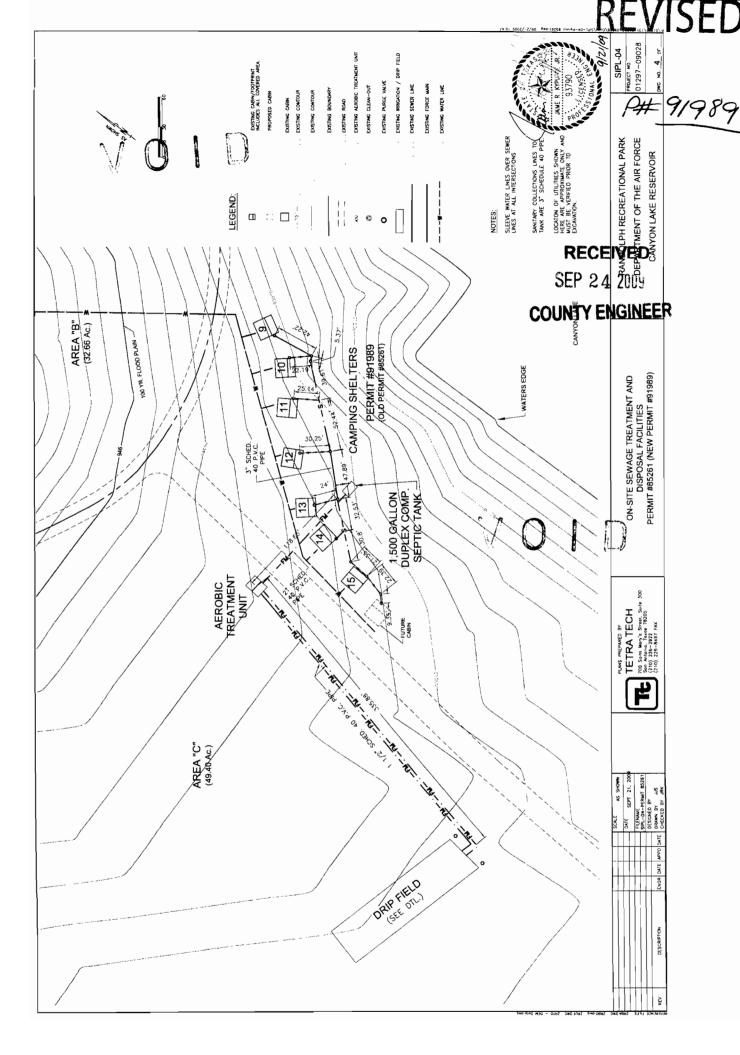
JOBTITLE CLRA DSSF PERMIT # 91989 (64 85251) JOB NUMBER 100-51/12 - T20910 - 3024

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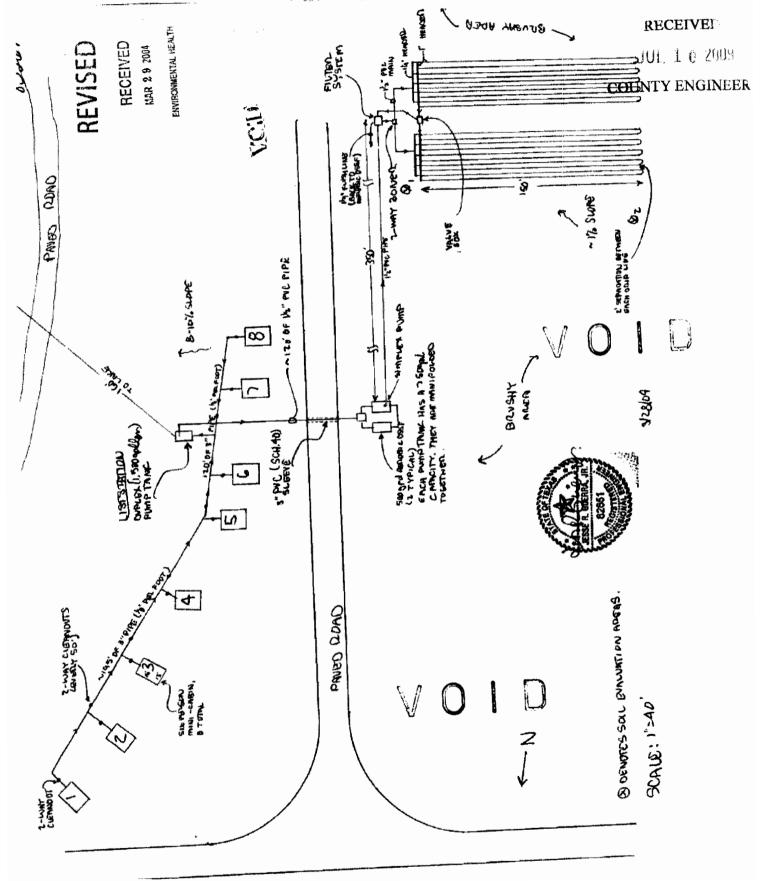
* * * COMAL COUNTY OFFICE OF ENVIRONMENTAL HEALTH * * * APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE

DATE: 30JUN09 PERMIT#: Randolph Recreation Park OWNER NAME: AGENT NAME: DAVID 781 Jacob's Creek MAILING ADDRESS: MAILING ADDRESS: Canyon Lake, TX 78133 CITY, STATE, ZIP: _CITY, STATE, ZIP: PHONE #: (800) 280-3466 685-6974 PHONE #: ALL CORRESPONDENCE SHOULD BE SENT TO: OWNER: X BOTH: RECEIVED AGENT: LEGAL DESCRIPTION OF PROPERTY: **JUL 1** @ 2009 SUBDIVISION NAME: _ Canyon Reservoir, Tract 117 **COUNTY** ENGINEER __ BLOCK: _____ ACREAGE/LEGAL:_ LOT: Randolph Recreation Park Subdivision 781 Jacob's Creek Canyon Lake STREET NAME/ADDRESS: CITY: ZIP: NO X IF YES, THE PLANNING IS PROPERTY LOCATED OVER THE EDWARDS RECHARGE ZONE? YES _ MATERIALS MUST BE COMPLETED BY A REGISTERED SANITARIAN (R.S.) OR PROFESSIONAL ENGINEER (P.E). NO X IF YES, THE R.S. OR P.E. IS THERE AN EXISTING TCEQ APPROVED WPAP FOR THE PROPERTY? YES_ SHALL CERTIFY THAT THE OSSF DESIGN COMPLIES WITH ALL PROVISIONS OF THE EXISTING WPAP. IF THERE IS NO EXISTING WPAP, DOES THE PROPOSED DEVELOPMENT ACTIVITY REQUIRE A TCEQ APPROVED NO X IF YES, THE R.S. OR P.E. SHALL CERTIFY THAT THE OSSF DESIGN WILL COMPLY WITH ALL PROVISIONS OF THE PROPOSED WPAP. A PERMIT TO CONSTRUCT WILL NOT BE ISSUED FOR THE PROPOSED OSSF UNTIL THE PROPOSED WPAP HAS BEEN APPROVED BY THE APPROPRIATE REGIONAL OFFICE. TYPE OF DEVELOPMENT: - CHECK ONE SINGLE FAMILY RESIDENTIAL - TYPE OF CONSTRUCTION (HOUSE/MOBILE, RV, ETC) # OF BEDROOMS __ ____TOTAL SQR. FT. OF LIVING AREA ___ GALLONS PER DAY X COMMERCIAL TYPE OF BUSINESS/INSTITUTION: _ NUMBER OF OCCUPANTS <u>576</u> **GALLONS PER DAY** SITES GENERATING MORE THAN 5000 GALLONS PER DAY ARE REQUIRED TO OBTAIN PERMITTING THROUGH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY. PRIVATE WELL SOURCE OF WATER: PLANNING MATERIALS & SITE EVALUATION AS REQUIRED COMPLETED BY: TETRA TELL AND BENCOR DESIGN SERVICES SYSTEM DESCRIPTION: AERODIC TREATMENT WITH DRIP IRRIVATION SIZE OF SEPTIC SYSTEM REQUIRED BASED ON PLANNING MATERIALS & SITE EVALUATION: 6,000 ATUTANU GALLONS ABSORPTION/APPLICATION AREA 2-500901 ARE WATER SAVING DEVICES BEING UTILIZED WITHIN THE RESIDENCE? I CERTIFY THAT THE COMPLETED APPLICATION AND ALL ADDITIONAL INFORMATION SUBMITTED DOES NOT CONTAIN ANY FALSE INFORMATION AND DOES NOT CONCEAL ANY MATERIAL FACTS. AUTHORIZATION IS HEREBY GIVEN TO THE PERMITTING AUTHORITY AND DESIGNATED AGENTS TO ENTER UPON THE ABOVE DESCRIBED PROPERTY FOR THE PURPOSE OF SITE/SOIL EVALUATION AND INSPECTION OF PRIVATE SEWAGE FACILITIES. I ALSO UNDERSTAND THAT A PERMIT OF AUTHORIZATION TO CONSTRUCT WILL NOT BE ISSUED UNTIL THE FLOOD PLAIN ADMINISTRATOR HAS APPROVED AND RELEASED THE DEVELOPMENT PERMIT FOR THIS PROPERTY. SIGNATURE OF OWNER

195 DAVID JONAS DRIVE, NEW BRAUNFELS, TEXAS 78132-3760 * (830) 608-2094 FAX (830) 608-2078



Excerpt from the original permit: Illustrates that eight mini-lodges were originally planned. This also provides a simple schematic of current configuration of the mini-lodges at this site.





JUL 1 0 2009

COUNTY ENGINEER

30 June 2009

VOID

T20910-3024

Ms. Sandra Hernandez Comal County Engineer's Office 195 David Jonas Dr. New Braunfels, TX 78132

Subject: Renovation Permit for Randolph's Canyon Lake Recreation Area

Reference: OSSF Permit #: 85261

Dear Ms. Hernandez,

Randolph AFB contracted with Tetra Tech to have the CLRA OSSFs surveyed and evaluated. During this survey it was discovered that the permitted OSSF mentioned above was designed and constructed to support eight (8) shelters. At the time however, only four (4) were installed during the construction due to funding constraints. The additional service connections were constructed and stubbed up for connection to additional shelters at a later date (i.e., when funding became available). The attached original design documents and correspondence illustrate this fact. Randolph added the additional facilities and there are currently seven (7) facilities connected to the OSSF. Tetra Tech is submitting documentation to update the current permit.

The permitted number of facilities (i.e., four) does not match the current number of facilities served by the OSSF (i.e., seven). To ensure compliance with Comal County permitting requirements the permit application and flood plain permits are attached. The planning materials provided are excerpted from the original permit filing when eight (8) shelters were planned to be installed. As illustrated by the attached design documents, taken from the existing permit, the additional facilities were already accounted for in the original design and the OSSF as constructed. The original design calculations take into account the wastewater discharge loading rates from eight facilities (576 gallons per day), so no additional calculations or evaluations are required. A current site map is included to illustrate the location and number of facilities connected to the permitted OSSF.

I look forward to working with you to update this permit. If you need to contact me regarding this matter you can reach me at (210) 226-2922 or by e-mail at Jaime.Kypuros@tetratech.com.

Sincerely,

TETRA TECH, INC.

Jaime Kypuros, P.E. Senior Engineer

Attachments: as stated

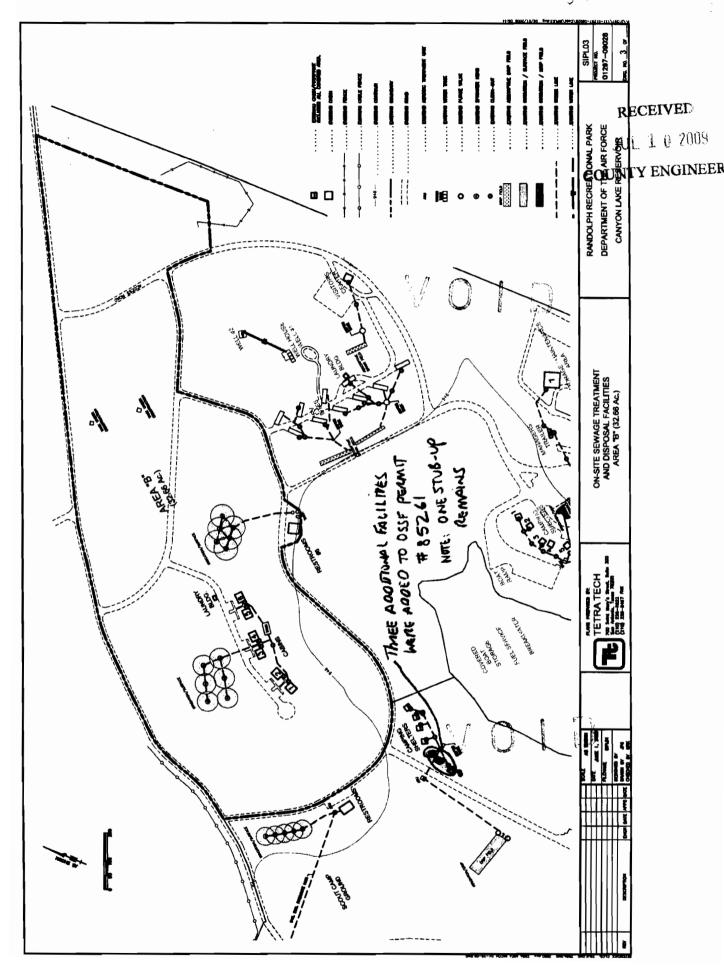
cc: Becker, K. (12 MSG/SVS)

Cyr, V. (12 MSG/CEAN)

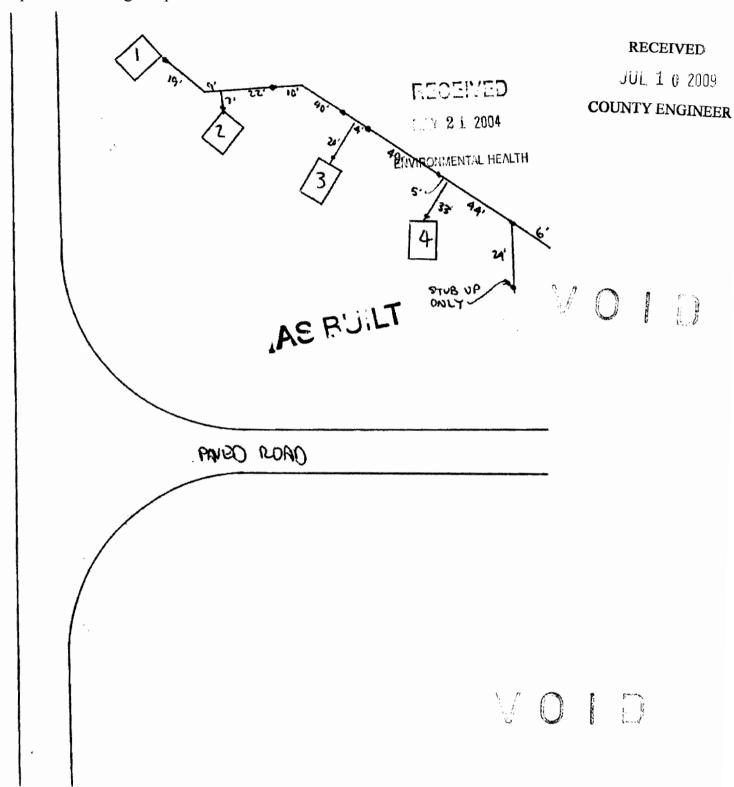
JAIME R. KYPUROS JR.

93790

(CENSELLA)



Excerpt from the original permit: Illustration continued.



Excerpt from the original permit: Illustrates the change from eight to four mini-lodges, but that the OSSF would be sized and installed for the original eight mini-lodges originally, planned at 576 gpd and 6,000 sf irrigation area.

BENCOB DESIGN SERVICES

741 Killarney - Floresville, Texas 78114

Phone/Fax: 830.393.6395 - Mobile:210.854.7649

Jesse R. Guerra, Jr., P.E.

RECEIVED

JUL 1 0 2009

COUNTY ENGINEER

TO:

Ms. Brenda Ritzen, Comal County - Environmental Health Coordinator

FROM:

Jesse R. Guerra, Jr., P.E.

ENVIRONMENTAL HEALT

DATE:

April 28, 2004

SUBJECT:

OSSF Applicant - Randolph AFB Recreation Park (Permit #85261)

Canyon Lake, Texas 78113

This letter is intended to supplement previously submitted design-related information to the above-referenced OSSF applicant. Specifically:

The total number of mini-lodges is four, not eight as previously indicated. However, the
drip irrigation OSSF system will still be sized and installed for eight mini-lodges. Refer
to the revised drawing that reflects this change.

2. There were some piping changes to the tanks that were manifolded together and the drip field. Enclosed is a reflection of those changes.

If you have any further questions or comments, please do not hesitate to contact me at the above-listed phone numbers.

Sincerely,

Jesse R. Guerra, Jr., P.E.

cc:

File



Excerpt from the original permit: Illustrates the original design loading calculations for the four mini-lodges and that the drip irrigations system was sized for the original eight facilities.

RECEMED

RECEIVED

JUL 1 G 2009

CAY 21 2004 5/3/COUNTY ENGINEER

ENVIRONMENTAL HEALTH

CANYON LAKE PHOJECT

04 MINI-LODGES (L PERSON CAPACITY ENERS BUILT

: 4(6) = 24 PERSON (TOTAL) CAPACITY AT SITE.

2) T.C.E.O. WASPEWATER USAGE MAYE.
12 90/1 LPER PORSON) FOR PARKS, WITH BATH HOUSES

: (24 PERSON) (1290) . ABUSON) = 288 90/4

3 AMER NE BUIDED = SOIL FLOWS THTE

* OSSFINSTALLER USED 6,000 fl2 OF AMER TO DEVERTINE THE BURNITT OF EMITTER TUBING TO INSTALL (3,000 ft).

Ritzen, Brenda

From: Griffin, Kathy

Sent: Friday, July 17, 2009 3:07 PM

To: Ritzen, Brenda

Subject: Permits for Randolph Recreation Park.

Brenda,

The floodplain permits for permits 91987, 91988 and 91989 will be handled separately from the OSSF permits. Floodplain approval is not required before issuing OSSF permits.

Kathy Griffin, CFM Floodplain Coordinator Comal County Engineer's Office 830-608-2090 830-608-2009 - Fax

www.cceo.org



ENVIRO SERVICES

OSFF Inspection Report License Number: MP 000 1792

1.	Required frequency of maintenance check and tests. Please circle one: daily, weekly, monthly, quarterly, every 4 months
	Actual date of test: 7. 18 12
2.	System inspection:
	Property Address: 1 AFB Canyon Lake Site 123 Shelli 9.15
	Permit Number: 91989
	Person Performing Inspection: JESS F MOJESEU
	Signature
	<u>Inspected Item</u> <u>Operational</u> <u>Inoperative</u>
	Aerators b/C
	Filters OL
	Irrigation Pumps bk
	Recirculation Pumps 4//
	Disinfection Device
	Chlorine Supply
	Electrical Circuits Ok
	Distribution System 61
	Sprayfield Vegetation/Seeding 6)C (if applicable)
	Other as Noted
3.	Repairs to system (list all components replaced):
4.	Tests required and results:
	Test Reguired Results Test Method
	Yes No mg/l, mpn/100 ml, or trace
	BOD (Grab) see allaks repat
	TSS (Grab)
	Cl ₂ (Grab)
	Fecal
	Coliform
5.	Date(s) responded to owner complaints during reporting period (attach copy of complaint and
	findings):
6.	General comments or recommendations:

SOS Enviro Services, LLC P.O. Box 210480 | San Antonio, TX 78220-8440 Phone (210) 828-0525 | Fax (210) 359-6301

POLLUTION CONTROL SERVICES



Report of Sample Analysis

T104704361-08-TX

Client Information	Sample Information	Laboratory Information
Jcss Mayfield SOS Enviro Services, LLC P.O. Box 201480 San Antonio, TX 78220-8480	Project Name: 902 CES Canyon Lake Sample ID: Shelter 9-15 (Site 7&8) Matrix: Non-Potable Water Date/Time Taken: 07/17/2012 1230	PCS Sample #: 302840 Page 1 of 1 Date/Time Received: 07/18/2012 10:30 Report Date: 07/23/2012 Approved by:

Chuck Wallgren, President

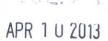
Test Description	Result	Units	RL	Analysis Date/Time	Analyst	Method	
BOD5	10	mg/L	2	07/18/2012 13:20	GWF	SM 5210 B	
Total Suspended Solids	<1	mg/L	1	07/18/2012 16:27	CLO	SM 2540 D	

<u>Quality Statement</u>: All supporting quality control data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

These analytical results relate only to the sample tested.

All data is reported on an "As Is" basis unless designated as "Dry Wt."

RL= Reporting Limits





OSFF Inspection Report License Number: MP 000 1792

 Required frequency of maintenance check and tests. Please circle one: daily, weekly, mont quarterly, every 4 months 							
	Actual date of test: 3 - 27 - 8						
2.	2. System inspection:						
	Property Address: SITE 728 Shelters	9.15 FACILITY 47.53					
	Permit Number: 9/489	,					
	Person Performing Inspection: JESJ MAY	IRIBU (
		K					
		Signature					
	Inspected Item Operatio	nal Inoperative					
	Aerators MA						
	Filters						
	Irrigation Pumps						
	Recirculation Pumps						
	Disinfection Device Chlorine Supply						
	Electrical Circuits						
	Distribution System						
	Sprayfield Vegetation/Seeding						
	(if applicable)						
	Other as Noted						
3.	3. Repairs to system (list all components replaced):						
4.	4. Tests required and results:						
	<u>Test</u> <u>Required</u>	Results Test Method					
		ng/l, mpn/100 ml, or trace					
	BOD (Grab)						
	TSS (Grab)						
	Cl₂ (Grab) Fecal						
	Coliform						
	Comorni						
5.	5. Date(s) responded to owner complaints during report	ting period (attach copy of complaint and					
	findings):						
6.	6. General comments or recommendations:						

SOS Enviro Services, LLC P.O. Box 210480 | San Antonio, TX 78220-8440 Phone (210) 828-0525 | Fax (210) 359-6301



OSFF Inspection Report License Number: MP 000 1792

1.	Required frequency of maintenance check and tests. Please circle one: daily, weekly, monthly, quarterly, every 4 months	
	Actual date of test: $9-27-13$	
2.	System inspection: Property Address: RAFB Canyon Lake Tx. PKA Site # 7-8 Shelter 9-15 Facility #4-	7 / ~
	Permit Number: 91989	(75 3
	Person Performing Inspection: NESS / MAYFIRED	
	Signature	
	Inspected Item Aerators Filters Irrigation Pumps Recirculation Pumps Disinfection Device Chlorine Supply Electrical Circuits Oistribution System Sprayfield Vegetation/Seeding (if applicable) Other as Noted	
3.	Repairs to system (list all components replaced):	
4.	Tests required and results: Test Required Yes No Mg/I, mpn/100 ml, or trace BOD (Grab) TSS (Grab) Fecal Coliform	
5.	Date(s) responded to owner complaints during reporting period (attach copy of complaint and findings):	
6.	General comments or recommendations:	



ENVIRO SERVICES

OSFF Inspection Report License Number: MP 000 1792 APR 1 4 2014

COUNTY ENGINEER

1. Required frequency of maintenance check and tests. Please circle one: daily, weekly, monthly, quarterly, every 4 months Actual date of test: 3-20-14 2. System inspection: Property Address: RAFB Site 788 Shelters 9-15 Facility #47-53 Permit Number: Person Performing Inspection:_ Signature inspected Item Operational Inoperative Ves Aerators **Filters** V-ea **irrigation Pumps** YRA **Recirculation Pumps** y-ea Disinfection Device **Chlorine Supply** Vas **Electrical Circuits Distribution System** y sa Sprayfield Vegetation/Seeding (if applicable) Other as Noted Repairs to system (list all components replaced): 4. Tests required and results: **Test Method** Test Results mg/l, mpn/100 ml, or trace BOD (Grab) 6 mg/c TSS (Grab) 2 Mg/L Cl₂ (Grab) Fecal Coliform 5. Date(s) responded to owner complaints during reporting period (attach copy of complaint and 6. General comments or recommendations:__



OSFF Inspection Report License Number: MP 000 1792

Actual date of test:	10/12/1		
System inspection:	01 50 -	in the	7071.0
		LETX, 78133 AKA Site	+8 Shelter 9
Permit Number:	1989	1	
Person Performing	Inspection:	w Lmay	eld
		10	
		Signature	
Inspected Item		Operational	Inoperative
Aerators		385	
Filters	,	296	
Irrigation Pumps		yes	
Recirculation Pump		MA	
Disinfection Device		962 448	
Chlorine Supply		763	
Electrical Circuits		yes	
Distribution System		yes	
Sprayfield Vegetati (if applicable)	on/Seeding	563	
Other as Noted			
	11-4 H	1	
Repairs to system (list all components re	epiaceo):	
Tests required and Test	results: Required	Results	Test Method
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BOD (Grab)	7/		
TSS (Grab)	/		
Cl ₂ (Grab)			
Fecal			
Coliform			
Dato(s) responded	to owner complaints	during reporting period (attach	copy of complaint and
Date(2) Leaphornnen			
findings):			

SOS Enviro Services, LLC
P.O. Box 210480 | San Antonio, TX 78220-8440
Phone (210) 828-0525 | Fax (210) 359-6301

POLLUTION CONTROL SERVICES

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	Colle	ected	Chi	posi	potable water; WW-Wastewater;	Type	Number	Preservative	88					
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	Start:	Start: 20		ОС	DW DNPW Soil	DG □G		☐ H₂SO₄☐ HNO₃ ☐ H₃PO₄☐ NaOH	1			3 8	110	5
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SITE 6 BATH		End: 3:00		ge	☐ Sludge ☐ LW ☐ Other	00		ØICE D	_ /			OS OB ON	THEM Other	ir.
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SITE 798 9-15	End: 15-14	End: 3:20		Z G	☐ Sludge ☐ LW ☐ Other	ПО	,	PICE D	- 4			DS DB ON	OHEM Other	er.
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SINE 10 1-8	End: 12-15-14	End:		E G	☑ Sludge □ LW □ Other	00	1	Sice D	- X			OS OB ON	CIHEM Othe	er.
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SIEB NEW	Start:	Start:		L	D DW D NPW	CO	1	☐ H ₂ SO ₄ ☐ HNO ₃ ☐ H ₃ PO ₄ ☐ NaOH	-			381	110	
SIEB EV	End: 12-15-14	End: 40		₽°G	☐ Sludge □ LW □ Other		-	QICE D	-4			OS OB ON	DHEM Other	er:
можности и тогору дологото столого дологото по посторогот до соборого до общество до общество общество обществ Стологото общество о	Start:	Start:		ОС	DW DNPW Dww DSoil	□P □G		☐ H₂SO₄ ☐ HNO₃ ☐ H₃PO₄ ☐ NaOH						
	End:	End:		ØG.	☐ Sludge ☐ LW ☐ Other	00		CLICE D	D/10			DS DB DN	DHEM Oth	er.
Required Turnaround:	The state of the s		-	****		0 <	8 Hr	s. □ < 16 Hrs. □ < 24 I	Hrs. 🗆 5	days □ Other:R	ush Charges Au	thorized by:		
Sample Archive/Disposal:	☐ Laboratory Sta	indard Dyffol	d for cli	ent pick	cup / Co	ntain	er T	ype: P=Plastic, G=Gla	ss, O=	Other		Carrier ID:	***	Be-Not Arrian and
Relinquished By:	1				16/14 Time:			Received By:	by	yolay.	Date:	12/11/14	Time:	6.30 AM
Relinquished By:	The fell	7	Date	112/	116 14 Time:	112	:11	Received By:	Dk	walls-	Date:	12-16-14	Time:	1216

1532 Universal City Blvd., Ste. 100, Universal City, Texas 78148 P (210) 340-0343 or (800) 880-4616 - F (210) 658-7903

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Login at www.pcslub.net TCEQ NELAP T104704361-TX



OSFF Inspection Report License Number: MP 000 1792

quarterly, every 4 m		k and tests. Plea	se circle one: dai	y, weekly, monthly,
	6-18-15			
System inspection:				
System inspection:	RAER SIT	# 700	SLAT	9-15 Facility
		/ 10	mercers	i is facing
Permit Number:		7		
Person Performing	Inspection:	ESS (MAFIEL	0
		4	10	
		1	Signature	
Inspected Item		Operational		Inoperative
Aerators		43		
Filters		yes		
Irrigation Pumps		Ses		
Recirculation Pump		ys		
Disinfection Device		in the		
Chlorine Supply		200		
Electrical Circuits		Ses		
Distribution System		yes		
Sprayfield Vegetation (if applicable)	on/Seeding	yes		
Other as Noted				
Repairs to system (list all components re	placed):		
Tests required and			D tr	Tout Mathed
Tests required and Test	Required	mg/i	Results	Test Method
Test		mg/l	Results , mpn/100 ml, or	
Test BOD (Grab)	Required	mg/l		
Test BOD (Grab) TSS (Grab)	Required	mg/l		
Test BOD (Grab) TSS (Grab) Cl ₂ (Grab)	Required	mg/l		
Test BOD (Grab) TSS (Grab) Cl ₂ (Grab) Fecal	Required	mg/l		
Test BOD (Grab) TSS (Grab) Cl ₂ (Grab)	Required	mg/l		
Test BOD (Grab) TSS (Grab) Cl ₂ (Grab) Fecal Coliform	Required		, mpn/100 ml, or	trace

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Jess Mayfield SOS Enviro Services, LLC P.O. Box 201480 San Antonio, TX 78220-8480	Project Name: RAFB Canyon Lake Permit# 91 Sample ID: Site 728 Shelter 9-15 Matrix: Non-Potable Water Date/Time Taken: 06/18/2015 1020	989 PCS Sample #: 399112 Page 1 of 1 Date/Time Received: 06/19/2015 14:08 Report Date: 06/24/2015 Approved by: Level Wallgree

W Chuck Wallgren, President

Test Description	Result	Units	RL	Analysis Date/Time	Analyst	Method	
BOD5	4	mg/L	2	06/19/2015 14:44	GWF	SM 5210 B	
Total Suspended Solids	4	mg/L	1	06/19/2015 16:00	CFS	SM 2540 D	

Quality Statement: All supporting quality control data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request. TCEQ Certificate No. T104704361-08-TX

These analytical results relate only to the sample tested.

All data is reported on an "As Is" basis unless designated as "Dry Wt."

RL = Reporting Limits



OSFF Inspection Report License Number: MP 000 1792

L.	Required frequency of maintenance check and tests. Please circle one: daily, weekly, monthly, quarterly, every 4 months
	Actual date of test: 12-18-15
	System inspection:
	Property Address: RAFB Ganger Lake TR. 78133 (AKA Site # 7-8 Sletters 9 thru,
	Permit Number: 9/989
	Person Performing Inspection: JESS & MA VEIESD
	Signature
	Inspected Item Operational Inoperative
	Aerators
	Filters Irrigation Pumps
	Recirculation Pumps
	Disinfection Device
	Chlorine Supply
	Electrical Circuits egas
	Distribution System Sprayfield Vegetation/Seeding
	(if applicable)
	Other as Noted
	Repairs to system (list all components replaced):
١.	Tests required and results:
	Test Required Results Test Method
	Yes No mg/i, mpn/100 ml, or trace
2	BOD (Grab) TSS (Grab)
	Cl ₇ (Grab)
	Fecal
	Coliform
	Date(s) responded to owner complaints during reporting period (attach copy of complaint and
	findings):
-	General comments or recommendations:

SOS Enviro Services, LLC
P.O. Box 210480 | San Antonio, TX 78220-8440
Phone (210) 828-0525 | Fax (210) 359-6301

POLLUTION CONTROL SERVICES



Report of Sample Analysis

	Client Information
-	Jess Mayfield
Canada Canada	SOS Enviro Services, LLC
Name and Address of the Owner, where	P.O. Box 201480
STATE PROPERTY.	San Antonio, TX 78220-8480

Sample Information Project Name: RAFB Canyon Lake Sample ID: Site 7+8 Shelter 9-15 Matrix: Non-Potable Water Date/Time Taken: 12/17/2015 1200

Page 1 of 1 PCS Sample #: 418142 Date/Time Received: 12/18/2015 07:43

Laboratory Information

Report Date: 12/23/2015

Approved by:

Chuck Wallgren, President

Test Description	Result	Units	RL	Analysis Date/Time	Analyst	Method
BOD5	<2	mg/L	2	12/18/2015 13:00	BW	SM 5210 B
Total Suspended Solids	3	mg/L	1	12/18/2015 13:15	CFS	SM 2540 D

Quality Statement: All supporting quality control data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request. TCEQ Certificate No. T104704361-08-TX

> These analytical results relate only to the sample tested. All data is reported on an "As Is" basis unless designated as "Dry Wt." RL = Reporting Limits



ENVIRO SERVICES

OSFF Inspection Report License Number: MP 000 1792

	Required frequency of maintenan quarterly, every 4 months	ce check and	tests. Please circle o	one: daily, weel	kly, monthly,	
	Actual date of test: 3-17	7-16				
	System inspection:		_			•
	Property Address: RAFB Can	upon lat	Ze TX. 78133	(AKA)	Sit 7-85	Letter 9-1
	Permit Number: 9/989	1				
	Person Performing Inspection:		ESS LMX	YFIES		-
			Signato	ure		-
	Inspected Item	Op	erational		Inoperative	
	Aerators	A	ر ا			
	Filters		yes			
	Irrigation Pumps	1	202			
	Recirculation Pumps		222			
	Disinfection Device Chlorine Supply	·	222			
	Electrical Circuits	L	200			
	Distribution System	d	222			
	Sprayfield Vegetation/Seeding (if applicable) Other as Noted	2	المعالمة ا			
3.	Repairs to system (list all compon	ents replaced	l):			-
						_
ļ.	Tests required and results:					
	<u>Test</u> <u>Requ</u>		Result		Test Method	
	BOD (Grab) Yes	No	mg/l, mpn/100	ml, or trace		
(F55 (Grab)					
(Cl ₂ (Grab)					
	Fecal					
	Coliform					
5.	Date(s) responded to owner com	plaints during	reporting period (at	tach copy of co	implaint and	
	findings):					-
5.	General comments or recommen	dations:				-



ENVIRO SERVICES

OSSF Inspection Report License Number: MP 000 1792

Required frequences		ntenance check	and tests. Ple	ase circle one: dail	y, weekly, monthly,					
Actual date of	test:	0-17-16								
System inspect	tion: 🕖	1	,		,					
Property Address: AAFB CANYON LAKE, TX 78133(AKA S. TE # 7-8 SHECTERS 9TH										
Permit Number: 91989										
Person Perforn	ning Inspecti	on: JESS	ILMAY	MELA!	24					
	100 may 100 mg	(**		Signature						
Inspected Item Aerators Filters Irrigation Pump Recirculation P Disinfection De Chlorine Suppl Electrical Circu Distribution Sy	ps Pumps evice ly uits estem		Operational Solution Sol		<u>Inoperative</u>					
Sprayfield Vego (if applicat Other as Noted	ole)	ing								
Repairs to syst	em (list all co	mponents rep	laced):	4.						
mps . A Y										
Tests required Test BOD (Grab) TSS (Grab) Cl ₂ (Grab)	and results:	Required Yes No	mg/	Results I, mpn/100 ml, or t	<u>Test Method</u> race					
Fecal Coliform										
	ided to owne	r complaints d	uring reporting	period (attach cop	by of complaint and					
findings):		1								

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Jess Mayfield SOS Enviro Services, LLC P.O. Box 201480 San Antonio, TX 78220-8480	Project Name: RAFB Canyon Lake Sample ID: Site 7-8 Shelter 9-15 Permit #41989 Matrix: Non-Potable Water Date/Time Taken: 06/19/2016 0955	PCS Sample #: 436687 Page 1 of 1 Date/Time Received: 06/20/2016 07:39 Report Date: 06/27/2016 Approved by: Level Wallgree

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
BOD5	<2	mg/L	2	06/21/2016 08:42	SM 5210 B	BW/GWF
Total Suspended Solids	6	mg/L	1	06/21/2016 09:45	SM 2540 D	CFS

		Qual	ity Assuran	ce Sumn	ary.			for distance of the second sec	
Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	
BOD5	2	23	N/A	N/A	N/A	N/A	184	167 - 228	
Total Suspended Solids	<1	10	N/A			N/A			

<u>Quality Statement:</u> All supporting quality control data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request. TCEQ Certificate No. T104704361-08-TX

These analytical results relate only to the sample tested.

All data is reported on an "As Is" basis unless designated as "Dry Wt."

RL = Reporting Limits

QC Data Reported in %, Except BOD in mg/L



OSSF Inspection Report License Number: MP 000 1792

1.	Required frequency of maintenance check and tests. Please circle one: daily, weekly, monthly, quarterly, every 4 months
	Actual date of test: 3-15-17
2.	System inspection: Property Address: AFB CANJON LAKE, TX 78133 (AKA SITE # 7-8 SHELTELS 9 THRU IS
	Permit Number: 91989
	Person Performing Inspection: JESS 1 L MAY FIECH 11
	Signature Inspected Item
3.	Repairs to system (list all components replaced):
4.	Tests required and results:
	Test Required Results Test Method Yes No mg/l, mpn/100 ml, or trace BOD (Grab)
	TSS (Grab) Cl ₂ (Grab) Fecal Coliform
5.	Date(s) responded to owner complaints during reporting period (attach copy of complaint and findings):
6.	General comments or recommendations:

SOS Enviro Services, LLC P.O. Box 210480 | San Antonio, TX 78220-8440 Phone (210) 828-0525 | Fax (210) 359-6301



ENVIRO SERVICES

OSSF Inspection Report License Number: MP 000 1792

1.	Required frequency of maintenance check and tests. Please circle one: daily, weekly, monthly, quarterly, every 4 months	
(Actual date of test: 12/13/17	
2.	Property Address: AFB CANJON CAKE, TX 78133 (AKA SITE # 7-8 SAECTEAS 9711RA Permit Number: 91989	15
	Person Performing Inspection: JESS J C MAY FIX CD 11	
	and may 2h	
	Signature	
3.	Inspected item Aerators Filters Irrigation Pumps Recirculation Pumps Disinfection Device Chlorine Supply Electrical Circuits Distribution System Sprayfield Vegetation/Seeding (if applicable) Other as Noted Repairs to system (list all components replaced):	
4.	Tests required and results: Test Required Yes No mg/l, mpn/100 ml, or trace BOD (Grab) TSS (Grab) Cl ₂ (Grab) Fecal Coliform	
5.	Date(s) responded to owner complaints during reporting period (attach copy of complaint and findings).	
6.	. General comments or recommendations:	

POLLUTION CONTROL SERVICES



Report of Sample Analysis

Client Information Jess Mayfield SOS Enviro Services, LLC P.O. Box 201480 San Antonio, TX 78220-8480

Sample Information Project Name: RAFB Canyon Lake Sample ID: Site 7-8 Shelter 9-15 Permit #91989

Matrix: Non-Potable Water

Date/Time Taken: 03/15/2018 1400

PCS Sample #: 505207 Page 1 of 1
Date/Time Received: 03/16/2018 09:05

Report Date: 03/22/2018

Approved by

Test Description	Rosult	Linits	RL	Analysis Date/Time	Method	Analyst
BOD5	14	mg/L	2	03/16/2018 12:45	SM 5210 B	VBW
Total Suspended Solids	5	mg/L	1	03/16/2018 16:20	SM 2540 D	CFS

		Quai	its Assaran	re Summ	inty	100		THE RESERVE
Test Description	Precision	Limit	TCL	MS	MSD	UCL	LCS	LCS Limit
BOD5	3	23	N/A	N/A	NA	N/A	187	167 - 228
Total Suspended Solids	<1	10	N/A			N/A		

Quality Statement: All supporting quality control data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request. TCEQ Certificate No. T104704361-17-13

These analytical results relate only to the sample tested.

All data is reported on an "As is" basis unless designated as "Dry Wt."

RL = Reporting Limits

QC Data Reported in %, Except BOD in mg/L

Win Stir: www.pentili.nor e-mail: ehuck@peslab.net

Tull I rec 500-850-4616

1532 Universal City Blvd, Suite 100 Universal City, TN 78148-3318

210 340 0343

FAX#\$10-58-7001

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POLLUTION CONTROL SERVICES

Chain of Custody Number
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MULTIPLE SAMPL	LE ANALY	SIS REQ	UES	TA	ND CHAIN	OF	CU	STODY FORM				Ste	ויין ממנ	umple and COC as same number
CUSTOMER INFORMA	ATION				REPORT	INF	OR	MATION						
Name: SOS Enviro Servic	es, LLC				Attention	Jess	May	yfield		Pho	ne: (210) 828-05	525		Fax. (210) 359-6301
SAMPLE INFORMATIO	ON	VALUE O LANGUAGO DE CONTRACTOR	·•		~~~	************	***************************************		Req	ueste	l Analysis			
'roject Information:	,		Calle	cted By	" JESS	4 1	mi	YFIEWO			988 Wall-			Instructions/Comments:
McAndrews RAFB	CANYON	CAKE			Matrix			Container						A.V.
Report "Soils" As Is Diry V			Field Calorine Residual mg/L	E 3	DW-Drinking Water; NPW-Non-		ь							
	Colle	ected	Ē	DO Si	potable water; WW-Wastewater;	Туре	Number	Preservative						esament of the second of the s
Client / Pteld Sample ID	Date	Time	Field	Composite or Grab	3		ž		ВОБ	TSS	The second secon			PCS Sample Number
	Start:	Start:		O C	DW EINPW	ŒP □G		☐ H ₃ SO₄ ☐ HNO ₃ ☐ H ₃ PO₄ ☐ NaOH						
Effluent	End:	End:		B G	Sludge D LW Other		1	ICF. C	X	×	4			OS DB ON DHEM Other
SITE 4 BATH HORSA	Start: 377	Start 2:30		□ C	DW DNPW	□P □G		☐ H ₂ SO₄ ☐ HNO₃ ☐ H ₂ PO₄ ☐ NeOH						505204
PERMIT # 18752	End:	End:		D G	Sludge C LW D Other	100		DICE D.	X	У	Abbranasananan digi			CIS OB ON OHEM (Mer.
SITE & CABING 1-L	Start: 3-15	Start: 1:00		□с	D DW D NPW	□P.		☐ H ₂ SO ₄ ☐ HNO ₅ ☐ H ₂ PO ₄ ☐ N∎OH						505205
PERMIT # 78750	End:	End:		D O	☐ Sludge ☐ LW ☐ Other			DICE D	χ	<				OS OB ON OHEM Other:
SITE 6 SCOUT AMEN	Start: 3-15	Start: 1:30		o c	DW DWPW DW D Soli	□P □0		☐ H ₂ SO ₄ ☐ HNO ₃ ☐ H ₂ PO ₄ ☐ NeOH	-					505206
PERMIT N 87880	End:	End:		a 6	☐ Sludge ☐ LW	00		DICE D	X	X	de la companya de la			OS OB ON OHEM Other.
SITA THE SHAWER 9-16	Starting -/5	Start: 00		DС	D DW D NPW	DP DC		□ H₂SO₄ □ HNO₃		_				E 0 - 2 -
PERMITT 41989	End:	End:		00	O Sludge D LW	000		□ H,PO.□ NaOH □ ICE □	X	¥.				5 0 5 2 0 7
SITE 10 SHELTER 1-8	Starta - 15	Start; 0:00		ОC	DOW DAPW	DP DG		☐ H ₃ SO ₄ ☐ HNO ₃ ☐ H ₃ PO ₄ ☐ NaOH						F 0 - 9 - 0
PERMIT 4 91998	Ena:	End:	1	⊡·G·	D-6ludge-Q-bW	DO.		CICE D	X	*				5 0 5 2 0 8
SITE II OLD JACOBS CA	Startin-15	Start 0 : 30		ПС	O DW O NPW	□P □O		□ H,SO.□ HNO,						505209
PERMITH PIESO	End:	End:		ΠG	□ Sludge □ LW □ Other			□ H,PO4□ NeOH □ ICE □	4	X	All de la constant de		u-manifest statement	DS OB ON DHEM Other:
SITE # 13 NEW RE	Starti -15	Start: 1/30		Вc	DW DNPW	ΩP		☐ H ₂ SO ₄ ☐ HNO ₃				1		
PERMIT & 17517	End:	End:		ВG	☐ Sludge ☐ LW ☐ Other	□G □O		□ H₃PO₄□ NaOH	*	7	No. of the control of			5 0 5 2 1 0
Required Turnaround: D P	Routing (6-10 day	s) EXPEDIT	<i>TE</i> : (\$4	Surch	rarge Schedule)	O <	8 Hrs.	□ < 16 Hrs. □ < 24 Hrs.	01	havs C	l Other:	tareh eti		hadred his
Sample Archive/Disposal:	Laboratory Star	sdard 🖸 Hold	for clic					pe: P = Plantic, G = Glass.						
Relinquished By. STa	sken Ca	cha I	Date			6	00				and the same and t	T		Jamin ID:
Relinquished By. How	John.				Gild Time:		U 5		Hannak.	alo H	3		Date:	3/16/18 Time: 6 00 7/16/18 Time: 3/406
Rev. Muhipte Sample COC 701 20201	<i>d</i>					-		- L	17		- 2- 20			- Line W
1532 Universal City Blvd 5	Ste IOO IInton	real Clay Tax	70	1.40										

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Pollution Control Services Sample Log-In Checklist

PCS Sample No(s) 5 0 5 2 0 4 5	0 5 2 1 0 COC No. 5 0 5 2 0 4
Client/Company Name:	Checklist Completed by: 6 in-
Sample Delivery to Lab Via: Client Drop Off Commercial Carrier: Bus UPS PCS Field Services: Collection/Pick Up Other:	SLone StarFedExUSPS
Sample Kit/Coolers Sample Kit/Coolers Sample Kit/Coolers Custody Seals on Sample Kit/Coolers Not Present Sample Containers Intact; Unbroken and Not Leaking? Yes Custody Seals on Sample Bottles: Not Present COC Present with Shipment or Delivery or Completed at Dro Has COC sample date/time and other pertinent information by Has COC been properly Signed when Received/Relinquished Does COC agree with Sample Bottle Information, Bottle Typ All Samples Received before Hold Time Expiration? Yes Sufficient Sample Volumes for Analysis Requested? Yes Zero Headspace in VOA Vial if Present? Yes No	If Present, Intact Broken No Broken Present, Intact Broken Present, Intact Broken Broken Preservation, etc.? Yes No N
Sample Preservation * Cooling: Not Required or Required FR Is Re-Present in Sample Kit/Cooler? Yes No _Stab Thermometer Make and Serial Number: EX Tech 10093657	equired, record temperature of submitted samples °C Samples received same day as collected? Yes No Other:
Acid Preserved Sample - If present, is pH <2? Yes Base Preserved Sample - If present, is pH >12? Yes Other Preservation: If Present, Me Sample Preservations Checked by: Date Ph paper used to check sample preservation (PCS log #). Samples Preserved/Adjusted by Lab: Lab # Parame	eets Requirements? YesNo Time(HEM pH checked at analysis).
Adjusted by Tech/Analyst: Date : Time	:
Client Notification/ Documentation for "No" Respective Notified: Notified Date: Method of Contact: At Drop Off: Unable to Contact Regarding	d by:
Comments.	AND THE RESIDENCE OF THE PARTY
Actions taken to correct problems/discrepancies:	
Revision Comments	
* Samples submitted for Metals Analysis (except Hex Cr) or Drinking Water	for Coliform Bacteria Only are not required to be iced. Samples collected

^{*} Samples submitted for Metals Analysis (except Hex Cr) or Drinking Water for Coliform Bacteria Only are not required to be iced. Samples collected prior day to receipt at the laboratory must meet method specific thermal cooling requirements. "Or will be flagged accordingly". Samples delivered the same day as collected may not meet thermal criteria, but shall be considered acceptable if evidence that the chilling process has begun, such as arrival on ice (EPA 815-F-08-006, June 2008). ** Water samples for metals analysis that are not acid preserved prior to shipment may be acceptably preserved by the laboratory on receipt – however, the sample digestion procedure must be delayed for at least 24 hours after preservation by the laboratory.



OSSF Inspection Report License Number: MP 000 1792

Required frequency of maintenance check and tests. Please circle one: daily, weekly, monthly, quarterly, every 4 months
Actual date of test: 3-15-18
System inspection:
Property Address: RAFB CANYON CAKE, TX 78133 (AKA SITE # 7-8 SHECTERS 9TH)
Permit Number: 91989
Person Performing Inspection: JESS J C MAYFIECD //
Inch Mary In
Signature
Inspected Item Operational Inoperative
Aerators G2
Filters Irrigation Pumps Recirculation Pumps Disinfection Device Chlorine Supply Electrical Circuits Distribution System
Irrigation Pumps 422
Recirculation Pumps 435
Disinfection Device 423
Chlorine Supply
Electrical Circuits Uses
Distribution System Sprayfield Vegetation/Seeding
(if applicable)
Other as Noted
Repairs to system (list all components replaced):
Tests required and results:
<u>Test</u> <u>Required</u> <u>Results</u> <u>Test Method</u>
Yes No mg/l, mpn/100 ml, or trace
BOD (Grab)
TSS (Grab)
Cl₂ (Grab)
Fecal
Coliform
Date(s) responded to owner complaints during reporting period (attach copy of complaint and
findings): General comments or recommendations:

2918 Dauer Ranch Rd. New Braunfels, TX 78130

Phone: (830) 303-4065

www.septictex.com info@septictex.com

To: Randolph Brooks Rec Site #10 781 Jacobs Creek Park Rd Canvon Lake, TX 78133 Printed:11/4/2022

Main Phone:

Insp ID #:17095 Work:

Cell Phone: Alt Cell:

Permit #: 91989

Agency: Comal County Office of Environmental Health

County: Comal County Office of Envirno Mfg / Brand: White Water -

Treatment Type: Aerobic

Customer ID: 1184

Contract Dates: 9/1/2022 - 9/1/2023 Scheduled Date: 9/1/2022

heduled Date: 9/1/2022 Inspection 1 of 12 Installed: 3/3/2010

Warranty End: 3/3/2012

Disposal: Drip Emitters

Service Type: <u>Scheduled Inspection</u>

Visit Date: 9/27/2022

Time In:

Method: Grab

Technician: Wm. Kyle Johnson #MP1058 Maint. Provider: Wm. Kyle Johnson #MP1058

Entered By: Tamara Martin

▼ This counts as a type of "Scheduled Inspection"

✓ Copy emailed to the Agency Agency Emailed: 11/4/2022

Aerators: Non-Operational Filters: Non-Operational

Irrigation Pumps: Non-Operational
Disinfection Device: Non-Operational
Chlorine Supply: Non-Operational

Chlorine Residual: 0

Floats: Non-Op Timer: Non-Op

✓ Inspector adds chlorine

Tank Lid / Riser: Secured

Electric Circuits: Operational
Distribution System: Operational
Sprayfield Veg: Operational

Alarm: Non-Operational

Comments
- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12 - Added Chlorine

500 GPD Aerobic DRIP Inspected the system and found that the liquid chlorinator, pump and compressor are broken and need to be replaced. **Repair quote to be sent under separate cover - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

✓ Service Completed

Provider: Wm. Kyle Johnson

Wm. Kyle Johnson Central Texas Aerobics, Inc.

License Info: MP0001058 Expires: 12/31/2023

Technician: $\mbox{Wm.}$ Kyle Johnson

Wm. Kyle Johnson Central Texas Aerobics, Inc.

License Info: OS0005796 Expires: 7/31/2023

2918 Dauer Ranch Rd. New Braunfels, TX 78130

Phone: (830) 303-4065

www.septictex.com info@septictex.com

▼ This counts as a type of "Scheduled Inspection"

To: Randolph Brooks Rec Site #10 781 Jacobs Creek Park Rd Canvon Lake, TX 78133 Printed:11/4/2022 Insp ID #:17113 Main Phone:

Work:

Alt Cell:

Permit #: 91989

Agency: Comal County Office of Environmental Health

County: Comal County Office of Envirno

Mfg / Brand: White Water - Treatment Type: Aerobic

ffice of Envirno

Disposal: Drip Emitters

Customer ID: 1184

Entered By: Tamara Martin

Installed: 3/3/2010

Warranty End: 3/3/2012

Service Type: <u>Scheduled Inspection</u>

Visit Date: 10/26/2022 Time In:

Method: Grab

Technician: Not Assigned **Maint. Provider:** Wm. Kyle Johnson #MP1058

Copy emailed to the Agency
Agency Emailed: 11/4/2022

Aerators: Non-Operational

Filters: Non-Operational
Irrigation Pumps: Non-Operational
Disinfection Device: Non-Operational
Chlorine Supply: Non-Operational

Chlorine Residual: 1

Floats: Non-Op Timer: Non-Op

✓ Inspector adds chlorine

Tank Lid / Riser: Secured

Electric Circuits: Operational
Distribution System: Operational
Sprayfield Veg: Non-Operational

Alarm: Non-Operational

Comments
- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12

500 GPD Aerobic DRIP Inspected the system and found that the liquid chlorinator, pump and compressor are broken and need to be replaced. **Repair quote to be sent under separate cover - Technician Secured the Tank Lid and/or Riser prior to leaving location. -

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

✓ Service Completed

Provider: Wm. Kyle Johnson

Wm. Kyle Johnson Central Texas Aerobics, Inc.

License Info: MP0001058 Expires: 12/31/2023

2918 Dauer Ranch Rd. New Braunfels, TX 78130

Phone: (830) 303-4065

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To: Randolph Brooks Rec Site #10 781 Jacobs Creek Park Rd Canvon Lake, TX 78133 Printed:11/4/2022

Main Phone:

Insp ID #:17095

Work:

Cell Phone: Alt Cell:

Permit #: 91989

Agency: Comal County Office of Environmental Health

County: Comal County Office of Envirno Mfg / Brand: White Water -

Treatment Type: Aerobic

Disposal: Drip Emitters

Customer ID: 1184
Contract Dates: 9/1/2022 - 9/1/2023

Scheduled Date: 9/1/2022

Entered By: Tamara Martin

neduled Date: 9/1/2022 Inspection 1 of 12 Installed: 3/3/2010

✓ This counts as a type of "Scheduled Inspection"

Warranty End: 3/3/2012

Service Type: Scheduled Inspection

Visit Date: 9/27/2022

Time In:

Method: Grab

Technician: Wm. Kyle Johnson #MP1058 **Maint. Provider:** Wm. Kyle Johnson #MP1058

Aerators: Operational

Filters: Operational Irrigation Pumps: Operational Disinfection Device: Operational Chlorine Supply: Operational

Chlorine Residual: 0.2mg/L Floats: OP

Inspector adds chlorine Timer: OP

✓ Added Chlorine Amount: 4

Tank Lid / Riser: Secured

Electric Circuits: Operational
Distribution System: Operational
Sprayfield Veg: Operational

Alarm: Operational

- STATE MAINTENANCE INSPECTION

Comments

C1=(GRAB) STRIP/DPD C12 - Added Chlorine

500 GPD Aerobic DRIP Inspected the system and found that the liquid chlorinator, pump and compressor are broken and need to be replaced. **Repair quote to be sent under separate cover - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

✓ Service Completed

Provider: Wm. Kyle Johnson

Wm. Kyle Johnson Central Texas Aerobics, Inc.

License Info: MP0001058 Expires: 12/31/2023

Technician: $\mbox{Wm.}$ Kyle Johnson

Wm. Kyle Johnson Central Texas Aerobics, Inc.

License Info: OS0005796 Expires: 7/31/2023

2918 Dauer Ranch Rd. New Braunfels, TX 78130

Phone: (830) 303-4065

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To: Randolph Brooks Rec Site #10 781 Jacobs Creek Park Rd Canvon Lake, TX 78133

Printed:11/4/2022 Main Phone: Insp ID #:17113

Work: Cell Phone:

Alt Cell:

Permit #: 91989

Agency: Comal County Office of Environmental Health

County: Comal County Office of Envirno

Mfg / Brand: White Water -Treatment Type: Aerobic

Customer ID: 1184 Contract Dates: 9/1/2022 - 9/1/2023

Scheduled Date: 10/1/2022 Inspection 2 of 12

Installed: 3/3/2010 Warranty End: 3/3/2012

Disposal: Drip Emitters

Service Type: <u>Scheduled Inspection</u>

Visit Date: 11/4/2022

Time In:

Method: Grab Technician: Not Assigned

Maint. Provider: Wm. Kyle Johnson #MP1058

Aerators: Non-Operational

Filters: Non-Operational Irrigation Pumps: Non-Operational Disinfection Device: Non-Operational Chlorine Supply: Non-Operational

Chlorine Residual: 1

✓ Inspector adds chlorine

✓ This counts as a type of "Scheduled Inspection"

Entered By: Tamara Martin

Tank Lid / Riser: Secured

Floats: Non-Op

Timer: Non-Op

Electric Circuits: Operational Distribution System: Operational Sprayfield Veg: Non-Operational

Alarm: Operational

Comments - STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12

500 GPD Aerobic DRIP Inspected the system and found that the liquid chlorinator, pump and compressor are broken and need to be replaced. **Repair quote to be sent under separate cover - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

✓ Service Completed

Provider: Wm. Kyle Johnson

Central Texas Aerobics, Inc. License Info: MP0001058 Expires: 12/31/2023

Wm. Kyle Johnson

2918 Dauer Ranch Rd. New Braunfels, TX 78130

Phone: (830) 303-4065

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To: Randolph Brooks Rec Site #8 LS for #7

781 Jacobs Creek Park Rd Canvon Lake, TX 78133

Printed:12/21/2022

Main Phone:

Insp ID #:17441

Work:

Cell Phone: Alt Cell:

Permit #: 91989

Agency: Comal County Office of Environmental Health

County: Comal County Office of Envirno

Mfg / Brand: -Treatment Type: Traditional

Disposal: Conventional

Customer ID: 1184

Contract Dates: 9/1/2022 - 9/1/2023

Entered By: Tamara Martin

Scheduled Date: 12/1/2022 Inspection 4 of 12 Installed: 3/3/2010

✓ This counts as a type of "Scheduled Inspection"

Warranty End: 3/3/2012

Service Type: Scheduled Inspection

Visit Date: 12/14/2022

Time In:

Method: Grab

Technician: Not Assigned

Maint. Provider: Wm. Kyle Johnson #MP1058

Aerators: Operational

Filters: Operational Irrigation Pumps: Operational **Disinfection Device:** Operational

Chlorine Residual: 1

Floats: OP Timer: OP

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Sprayfield Veg: Operational

Alarm: Operational

Comments

WO#2022-2656

- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12

1:40-2:00

Lift station to #7- pumps and controller are working. Need to test and check all floats thoroughly when quotes are approved. - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

✓ Service Completed

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

Central Texas Aerobics, Inc.

License Info: MP0001058 Expires: 12/31/2023

2918 Dauer Ranch Rd. New Braunfels, TX 78130

(830) 303-4065 www.septictex.com info@septictex.com

Printed:1/5/2024

Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7 781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

Customer ID: 1184

Insp ID: 19103

System Info: MFG: Brand:

Treatment Type: Traditional

Disposal Type: Conventional Warranty Expiration: 3/3/2012

Installed: 3/3/2010 Visit Details

Entered By: Chasity Schneider Visit Date: 9/13/2023

Scheduled Date: 9/13/2023

Time In:

Contract Starts: 9/1/2023

Entered On:

Contract Ends: 9/1/2024

Agency Emailed: 1/5/2024

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 1 of 12

Method: Grab

License # Technician: Bob Bagley

MT0002404

Expires 10/31/2025

Provider: Wm. Kyle Johnson #MP1058

MP0001058

12/31/2023

✓ Service Completed

Aerators: Operational

Filters: Operational Irrigation Pumps: Operational

Disinfection Device: Operational

Floats: OP

Chlorine Residual: 1

Timer: OP

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12 - All tanks @ normal levels. System working properly at the time of service. - The Agency was emailed a PDF Copy on 9/15/2023. - The Agency was emailed a PDF Copy on 9/15/2023.

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

Central Texas Aerobics, Inc. License: Number: MP0001058 Exp: 12/31/2023

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Printed:1/5/2024

Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7
781 Jacobs Creek Park Rd
Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

Customer ID: 1184

Insp ID: 19232

System Info: MFG: Brand:

Treatment Type: <u>Traditional</u>

Disposal Type: Conventional

Installed: 3/3/2010

Warranty Expiration: 3/3/2012

Visit Details

Visit Date: 10/11/2023

Entered By: Chasity Schneider

Time In:

Contract Starts: 9/1/2023

Scheduled Date: <u>10/13/2023</u> Entered On:

Contract Ends: 9/1/2024

Agency Emailed: 1/5/2024

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 2 of 12

Method: Grab

License #

Expires

Technician: Bob Bagley

MT0002404 MP0001058 10/31/2025

Provider: Wm. Kyle Johnson #MP1058

12/31/2023

✓ Service Completed

Floats: OP Timer: OP

Chlorine Residual: $\underline{1}$

Recirc. Pumps: Operational

Comments

This is a lift station. Pumps are working. - The Agency was emailed a PDF Copy on 10/16/2023.

Provider: Wm. Kyle Johnson

Wm. Kyle Johnson Central Texas Aerobics, Inc.

2918 Dauer Ranch Rd. New Braunfels, TX 78130

(830) 303-4065 www.septictex.com info@septictex.com

Printed:1/5/2024

Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7 781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

Customer ID: 1184

Agency Emailed: 1/5/2024

Insp ID: 18152

System Info: MFG: Brand:

Treatment Type: Traditional

Disposal Type: Conventional

Installed: 3/3/2010 Warranty Expiration: 3/3/2012

Visit Details

Visit Date: 4/11/2023

Entered By: Tamara Martin

Time In:

Contract Starts: 9/1/2022

Scheduled Date: 4/1/2023 Contract Ends: 9/1/2023 Entered On:

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 8 of 12

Method: Grab

License #

Expires

Technician: Not Assigned

✓ Service Completed Provider: Wm. Kyle Johnson #MP1058 MP0001058 12/31/2023

Aerators: Operational Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Residual: 1

Floats: OP Timer: OP

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12

Pumps ae working but alarm is not working - Technician Secured the Tank Lid and/or Riser prior to leaving location. - The Agency was emailed a PDF Copy on 4/14/2023.

WO#2023-1550

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

Central Texas Aerobics, Inc. License: Number: MP0001058 Exp: 12/31/2023

2918 Dauer Ranch Rd. New Braunfels, TX 78130 (830) 303-4065 www.septictex.com info@septictex.com

Printed:1/5/2024

Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7
781 Jacobs Creek Park Rd
Canyon Lake. TX 78133

Agency: Comal County Office of Environmental Health

Customer ID: 1184

Insp ID: 18968

System Info: MFG: Brand: Treatment Type: Traditional

Installed: 3/3/2010

Disposal Type: <u>Conventional</u>
Warranty Expiration: <u>3/3/2012</u>

Visit Details

Visit Date: 8/9/2023

5/9/2023 Entered By: Chasity Schneider

Time In:

Contract Starts: 9/1/2022

Scheduled Date: 8/9/2023

Entered On:

Contract Ends: 0/1/2022

Contract Ends: 9/1/2023 Agency Emailed: 1/5/2024

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 12 of 12

Method: Visual

illou. <u>visuai</u>

License #

Expires

Technician: Bob Bagley

MT0002404

10/31/2025

Provider: Wm. Kyle Johnson #MP1058

MP0001058

12/31/2023

✓ Service Completed

Aerators: Operational Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Floats: OP

Chlorine Residual: 1

Timer: OP

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12. Septic holding tank is still full. Lift station is still about 50% full. Pumps are out. Need to pump holding tank. - Technician Secured the Tank Lid and/or Riser prior to leaving location. - The Agency was emailed a PDF Copy on 8/11/2023.

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

Central Texas Aerobics, Inc.

2918 Dauer Ranch Rd. New Braunfels, TX 78130

(830) 303-4065 www.septictex.com info@septictex.com

Printed:1/5/2024

Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7 781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

System Info: MFG: Brand:

Treatment Type: Traditional

Disposal Type: Conventional Warranty Expiration: 3/3/2012

Insp ID: 18774

Customer ID: 1184

Visit Details

Installed: 3/3/2010

Entered By: Chasity Schneider

Visit Date: 7/13/2023 Scheduled Date: 7/12/2023

Entered On:

Time In:

Contract Starts: 9/1/2022 Contract Ends: 9/1/2023

Agency Emailed: 1/5/2024

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 11 of 12

Method: Visual

License #

Expires

Technician: Bob Bagley

6568270

10/24/2022

Provider: Wm. Kyle Johnson #MP1058

MP0001058

12/31/2023

✓ Service Completed

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational **Disinfection Device:** Operational

Floats: OP

Chlorine Residual: 1

Timer: OP

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

- All tanks @ normal levels. System working properly at the time of service. - Technician Secured the Tank Lid and/or Riser prior to leaving location. Lift station is working normal - BB

Provider: Wm. Kyle Johnson

Wm. Kyle Johnson Central Texas Aerobics, Inc.

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Printed:1/5/2024

Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7 781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

Customer ID: 1184

Insp ID: 18586

System Info: MFG: Brand: Treatment Type: Traditional

Installed: 3/3/2010

Disposal Type: Conventional

Warranty Expiration: 3/3/2012

Visit Details

Visit Date: 6/14/2023

Entered By: Chasity Schneider

Time Out: 12:05

Time In: 11:45

Contract Starts: 9/1/2022

Contract Ends: 9/1/2023

Agency Emailed: 1/5/2024

Visit Results

Service Type: Scheduled Inspection

Provider: Wm. Kyle Johnson #MP1058

Count: Inspection 10 of 12

Method: Grab Technician: Bob Bagley

Scheduled Date: 6/14/2023

Entered On:

License # 6568270 **Expires** 10/24/2022

MP0001058

12/31/2023

✓ Service Completed

Floats: OP Chlorine Residual: 1 Timer: OP

Tank Lid / Riser: Secured

Lift station pumps are working to #7 - Technician Secured the Tank Lid and/or Riser prior to leaving location. - The Agency was emailed a PDF Copy on 6/15/2023.

Provider: Wm. Kyle Johnson

Wm. Kyle Johnson Central Texas Aerobics, Inc.

2918 Dauer Ranch Rd. New Braunfels, TX 78130 (830) 303-4065 www.septictex.com info@septictex.com

Printed:1/5/2024

Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7
781 Jacobs Creek Park Rd
Canyon Lake. TX 78133

Agency: Comal County Office of Environmental Health

Customer ID: 1184

Insp ID: 17614

✓ Service Completed

System Info: MFG: Brand:

Treatment Type: <u>Traditional</u>

Disposal Type: <u>Conventional</u>
Warranty Expiration: <u>3/3/2012</u>

Installed: 3/3/2010 Visit Details

Visit Date: 1/11/2023 Entered By: Tamara Martin

Scheduled Date: 1/1/2023

Time In: Contract Starts: 9/1/2022

Entered On:

Contract Ends: 9/1/2023 Agency Emailed: 1/5/2024

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 5 of 12

Method: Grab

License # Expires

Technician: Not Assigned

Provider: Wm. Kyle Johnson #MP1058 MP0001058 12/31/2023

Aerators: Operational Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

WO#2023-1033 - STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12

Pumps and alarms are working. - Technician Secured the Tank Lid and/or Riser prior to leaving location. - The Agency was emailed a PDF Copy on 1/12/2023.

Provider: Wm. Kyle Johnson

Wm. Kyle Johnson Central Texas Aerobics, Inc.

2918 Dauer Ranch Rd. New Braunfels, TX 78130

(830) 303-4065 www.septictex.com info@septictex.com

Printed:1/5/2024

Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7 781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

Customer ID: 1184

Insp ID: 17819

System Info: MFG: Brand:

Treatment Type: Traditional Installed: 3/3/2010

Disposal Type: Conventional Warranty Expiration: 3/3/2012

Visit Details

Visit Date: 2/8/2023

Scheduled Date: 2/1/2023

Entered On:

Entered By: Tamara Martin

Time In:

Contract Starts: 9/1/2022

Contract Ends: 9/1/2023

Agency Emailed: 1/5/2024

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 6 of 12

Method: Grab

License #

Expires

Technician: Not Assigned

Provider: Wm. Kyle Johnson #MP1058

MP0001058

12/31/2023

✓ Service Completed

Aerators: Operational

Filters: Operational Irrigation Pumps: Operational

Disinfection Device: Operational

Floats: OP Chlorine Residual: 1 Timer: OP

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

WO#2023-1162

- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12

Pumps are all working. No repairs are needed. - Technician Secured the Tank Lid and/or Riser prior to leaving location. - The Agency was emailed a PDF Copy on 2/13/2023.

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

Central Texas Aerobics, Inc. License: Number: MP0001058 Exp: 12/31/2023

2918 Dauer Ranch Rd. New Braunfels, TX 78130

(830) 303-4065 www.septictex.com info@septictex.com

Printed:1/5/2024

Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7 781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

System Info: MFG: Brand:

Treatment Type: <u>Traditional</u>

Disposal Type: Conventional Warranty Expiration: 3/3/2012

Customer ID: 1184 Insp ID: 17979

Installed: 3/3/2010 Visit Details

Visit Date: 3/8/2023

Scheduled Date: 3/1/2023

Time In:

Entered By: Tamara Martin

Contract Starts: 9/1/2022 Contract Ends: 9/1/2023

Agency Emailed: 1/5/2024

Entered On: Visit Results

Service Type: Scheduled Inspection

Count: Inspection 7 of 12

Method: Grab

License #

Expires

Technician: Not Assigned

Provider: Wm. Kyle Johnson #MP1058

MP0001058 12/31/2023 ✓ Service Completed

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Floats: OP

Chlorine Residual: 1

Timer: OP

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12

Lift Station - tanks and pumps are good. - The Agency was emailed a PDF Copy on 3/13/2023.

Provider: Wm. Kyle Johnson

Central Texas Aerobics, Inc. License: Number: MP0001058 Exp: 12/31/2023

Wm. Kyle Johnson

2918 Dauer Ranch Rd. New Braunfels, TX 78130 (830) 303-4065 www.septictex.com info@septictex.com

Printed:1/5/2024

Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7 781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

Customer ID: 1184

Insp ID: 18306

System Info: MFG: Brand:

Treatment Type: <u>Traditional</u> Installed: <u>3/3/2010</u> Disposal Type: <u>Conventional</u>
Warranty Expiration: <u>3/3/2012</u>

Visit Details

Visit Date: 5/10/2023

Entered By: Tamara Martin

Scheduled Date: 5/1/2023

Time In: Contract Starts: 9/1/2022

Entered On:

Contract Ends: 9/1/2023 Agency Emailed: 1/5/2024

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 9 of 12

Method: Grab

License #

Expires

Technician: Not Assigned

Provider: Wm. Kyle Johnson #MP1058

MP0001058 12/31/2023

✓ Service Completed

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

 $\textbf{Disinfection Device:} \ \underline{Operational}$

Floats: OP Timer: OP

Chlorine Residual: 1

Electric Circuits: Operational

Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Non-Operational

Comments

- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12

 $All \ tanks \ @ \ normal \ levels. \ System \ working \ properly \ at \ the \ time \ of \ service. \ Need \ alarm. \ - \ The \ Agency \ was \ emailed \ a \ PDF \ Copy \ on \ 5/15/2023.$

WO#2023-1712

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

Central Texas Aerobics, Inc. License: Number: MP0001058 Exp: 12/31/2023

2918 Dauer Ranch Rd. New Braunfels, TX 78130

(830) 303-4065 www.septictex.com info@septictex.com

Printed:1/5/2024

Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7 781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

Customer ID: 1184

Insp ID: 19359

System Info: MFG: Brand:

Treatment Type: Traditional Installed: 3/3/2010

Disposal Type: Conventional Warranty Expiration: 3/3/2012

Visit Details

Entered By: Chasity Schneider Visit Date: 11/8/2023

Scheduled Date: 11/8/2023

Time In: Contract Starts: 9/1/2023

Entered On:

Agency Emailed: 1/5/2024 Contract Ends: 9/1/2024

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 3 of 12

Method: Grab

License #

Expires

Technician: Bob Bagley

MT0002404 MP0001058 10/31/2025

Provider: Wm. Kyle Johnson #MP1058

12/31/2023

✓ Service Completed

Floats: OP Chlorine Residual: 1 Timer: OP

Tank Lid / Riser: Secured

SYSTEM IS NOT OPERATIONAL - Technician Secured the Tank Lid and/or Riser prior to leaving location. - The Agency was emailed a PDF Copy on 11/10/2023.

Provider: Wm. Kyle Johnson

Wm. Kyle Johnson

Central Texas Aerobics, Inc. License: Number: MP0001058 Exp: 12/31/2023

2918 Dauer Ranch Rd. New Braunfels, TX 78130

Phone: (830) 303-4065

www.septictex.com info@septictex.com

✓ This counts as a type of "Scheduled Inspection"

To: Randolph Brooks Rec Site #8 LS for #7

781 Jacobs Creek Park Rd Canyon Lake, TX 78133 Printed:5/15/2023

Main Phone:

Insp ID #:18306

Work:

Cell Phone: Alt Cell:

Permit #: 91989

Agency: Comal County Office of Environmental Health

County: Comal County Office of Envirno

Mfg / Brand: -

Treatment Type: Traditional

Disposal: Conventional

Customer ID: 1184

Contract Dates: 9/1/2022 - 9/1/2023

Scheduled Date: 5/1/2023 Inspection 9 of 12

Entered By: Tamara Martin

Installed: 3/3/2010 Warranty End: 3/3/2012

Service Type: <u>Scheduled Inspection</u>

Visit Date: <u>5/10/2023</u>

Time In:

Method: Grab

Technician: Not Assigned

Maint. Provider: Wm. Kyle Johnson #MP1058

Aerators: Operational

Filters: Operational Irrigation Pumps: Operational Disinfection Device: Operational

Chlorine Residual: 1

Floats: OP

Timer: OP

Electric Circuits: Operational
Distribution System: Operational
Sprayfield Veg: Operational

Alarm: Non-Operational

Comments
- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12

All tanks @ normal levels. System working properly at the time of service. Need alarm.

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

✓ Service Completed

Provider: Wm. Kyle Johnson

Wm. Kyle Johnson Central Texas Aerobics, Inc.

License Info: MP0001058 Expires: 12/31/2023

2918 Dauer Ranch Rd. New Braunfels, TX 78130

Phone: (830) 303-4065

www.septictex.com info@septictex.com

To: Randolph Brooks Rec Site #8 LS for #7

781 Jacobs Creek Park Rd Canvon Lake, TX 78133

Printed:4/14/2023

Main Phone:

Insp ID #:18152 Work:

> Cell Phone: Alt Cell:

Permit #: 91989

Agency: Comal County Office of Environmental Health

County: Comal County Office of Envirno

Mfg / Brand: -Treatment Type: Traditional

Disposal: Conventional

Customer ID: 1184

Contract Dates: 9/1/2022 - 9/1/2023 Scheduled Date: 4/1/2023

Entered By: Tamara Martin

Inspection 8 of 12 Installed: 3/3/2010

✓ This counts as a type of "Scheduled Inspection"

Warranty End: 3/3/2012

Service Type: <u>Scheduled Inspection</u>

Visit Date: 4/11/2023

Time In:

Method: Grab Technician: Not Assigned

Maint. Provider: Wm. Kyle Johnson #MP1058

Aerators: Operational

Filters: Operational Irrigation Pumps: Operational **Disinfection Device:** Operational

Chlorine Residual: 1

Floats: OP Timer: OP

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Sprayfield Veg: Operational

Alarm: Operational

- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12

Comments

Pumps ae working but alarm is not working - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

✓ Service Completed

Provider: Wm. Kyle Johnson

Central Texas Aerobics, Inc.

License Info: MP0001058 Expires: 12/31/2023

Wm. Kyle Johnson

2918 Dauer Ranch Rd. New Braunfels, TX 78130

Phone: (830) 303-4065

www.septictex.com info@septictex.com

To: Randolph Brooks Rec Site #8 LS for #7

781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Printed:3/13/2023

Main Phone:

Insp ID #:17979

Work:

Cell Phone: Alt Cell:

Permit #: 91989

Agency: Comal County Office of Environmental Health

County: Comal County Office of Envirno

Mfg / Brand: -

Treatment Type: Traditional Disposal: Conventional

Customer ID: 1184 Contract Dates: 9/1/2022 - 9/1/2023

Scheduled Date: 3/1/2023

Inspection 7 of 12 Installed: 3/3/2010

Warranty End: 3/3/2012

Service Type: <u>Scheduled Inspection</u>

Visit Date: 3/8/2023

Time In:

✓ This counts as a type of "Scheduled Inspection" **Entered By:** Tamara Martin

Method: Grab

Technician: Not Assigned

Maint. Provider: Wm. Kyle Johnson #MP1058

Aerators: Operational

Filters: Operational Irrigation Pumps: Operational **Disinfection Device:** Operational

Chlorine Residual: 1

Floats: OP

Timer: OP

Electric Circuits: Operational Distribution System: Operational Sprayfield Veg: Operational

Alarm: Operational

Comments

✓ Service Completed

- STATE MAINTENANCE INSPECTION C1=(GRAB) STRIP/DPD C12

Lift Station - tanks and pumps are good.

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

Central Texas Aerobics, Inc.

License Info: MP0001058 Expires: 12/31/2023

2918 Dauer Ranch Rd. New Braunfels, TX 78130

Phone: (830) 303-4065

www.septictex.com info@septictex.com

To: Randolph Brooks Rec Site #8 LS for #7

781 Jacobs Creek Park Rd Canvon Lake, TX 78133

Printed:2/13/2023

Main Phone:

Insp ID #:17819 Work:

Cell Phone: Alt Cell:

Permit #: 91989

Agency: Comal County Office of Environmental Health

County: Comal County Office of Envirno

Mfg / Brand: -Treatment Type: Traditional

Disposal: Conventional

Customer ID: 1184

Contract Dates: 9/1/2022 - 9/1/2023

Entered By: Tamara Martin

Scheduled Date: 2/1/2023 Inspection 6 of 12

✓ This counts as a type of "Scheduled Inspection"

Installed: 3/3/2010 Warranty End: 3/3/2012

Service Type: Scheduled Inspection

Visit Date: 2/8/2023

Time In:

Method: Grab Technician: Not Assigned

Maint. Provider: Wm. Kyle Johnson #MP1058

Aerators: Operational

Filters: Operational Irrigation Pumps: Operational **Disinfection Device:** Operational

Chlorine Residual: 1

Floats: OP

Timer: OP

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Sprayfield Veg: Operational

Alarm: Operational

WO#2023-1162

Comments

✓ Service Completed

- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12

Pumps are all working. No repairs are needed. - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Provider: Wm. Kyle Johnson

Wm. Kyle Johnson

Central Texas Aerobics, Inc. License Info: MP0001058 Expires: 12/31/2023

2918 Dauer Ranch Rd. New Braunfels, TX 78130

Phone: (830) 303-4065

www.septictex.com info@septictex.com

To: Randolph Brooks Rec Site #8 LS for #7

781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Printed:1/12/2023

Main Phone:

Insp ID #:17614

Work:

Cell Phone: Alt Cell:

Permit #: 91989

Agency: Comal County Office of Environmental Health County: Comal County Office of Envirno

Mfg / Brand: -Treatment Type: Traditional

Disposal: Conventional

Customer ID: 1184

Contract Dates: 9/1/2022 - 9/1/2023 Scheduled Date: 1/1/2023

Entered By: Tamara Martin

Inspection 5 of 12 Installed: 3/3/2010

✓ This counts as a type of "Scheduled Inspection"

Warranty End: 3/3/2012

Service Type: Scheduled Inspection

Visit Date: 1/11/2023

Time In:

Method: Grab Technician: Not Assigned

Maint. Provider: Wm. Kyle Johnson #MP1058

Aerators: Operational

Filters: Operational Irrigation Pumps: Operational **Disinfection Device:** Operational

Chlorine Residual: 1

Floats: OP Timer: OP

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Sprayfield Veg: Operational

Alarm: Operational

WO#2023-1033 - STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12

Comments

Pumps and alarms are working. - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

✓ Service Completed

Provider: Wm. Kyle Johnson

Wm. Kyle Johnson Central Texas Aerobics, Inc.

License Info: MP0001058 Expires: 12/31/2023

2918 Dauer Ranch Rd. New Braunfels, TX 78130 (830) 303-4065 www.septictex.com info@septictex.com

Printed:1/8/2024

Permit: 91989

✓ Service Completed

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7

781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

/: Comal County Office of Environ

System Info: MFG: Brand: Customer ID: 1184

Treatment Type: Traditional Disposal Type: Conventional Insp ID: 19489

Installed: 3/3/2010 Warranty Expiration: 3/3/2012
Visit Details

Visit Date: 1/8/2024 Entered By: Chasity Schneider

Scheduled Date: 12/13/2023 Contract Starts: 9/1/2023

Entered On: 1/8/2024 Contract Ends: 9/1/2024

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 4 of 12

 Method: Grab
 License #
 Expires

 Technician: Bob Bagley
 MT0002404
 10/31/2025

 Provider: Wm. Kyle Johnson #MP1058
 MP0001058
 12/31/2023

Aerators: Operational

Filters: Operational Irrigation Pumps: Operational Disinfection Device: Operational

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

- STATE MAINTENANCE INSPECTION
- LIFT STATION. Both pumps working. Technician Secured the Tank Lid and/or Riser prior to leaving location.

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

2918 Dauer Ranch Rd. New Braunfels, TX 78130 (830) 303-4065 www.septictex.com info@septictex.com

Printed:1/12/2024 Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7

781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

r: Comal County Office of Environ

System Info: MFG: Brand: Customer ID: 1184

Treatment Type: Traditional Disposal Type: Conventional Insp ID: 19560

Installed: 3/3/2010 Warranty Expiration: 3/3/2012

Visit Details

Visit Date: 1/10/2024

Entered By: Chasity Schneider

 Scheduled Date: 1/13/2024
 Contract Starts: 9/1/2023

 Entered On: 1/12/2024
 Contract Ends: 9/1/2024

Entered On: 1/12/2024
Visit Results

Service Type: Scheduled Inspection

Count: Inspection 5 of 12

 Method: Grab
 License #
 Expires

 Technician: Bob Bagley
 MT0002404
 10/31/2025

 Provider: Wm. Kyle Johnson #MP1058
 MP0001058
 12/31/2023

Irrigation Pumps: Operational

Tank Lid / Riser: Secured

Comments

- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12. Both pumps working. Tank is at normal level. - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

2918 Dauer Ranch Rd. New Braunfels, TX 78130

(830) 303-4065 www.septictex.com info@septictex.com

Printed:2/16/2024

Permit: 91989

✓ Service Completed

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7

781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health r: Comal County Office of Envirno

Customer ID: 1184 System Info: MFG: Brand: Treatment Type: Traditional Disposal Type: Conventional Insp ID: 19708

Installed: 3/3/2010 Warranty Expiration: 3/3/2012 Visit Details

Visit Date: <u>2/15/2024</u>

Entered By: Chasity Schneider

Contract Starts: 9/1/2023 Scheduled Date: 2/14/2024 Contract Ends: 9/1/2024 Entered On: 2/16/2024

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 6 of 12

Method: Grab License # Expires 10/31/2025 Technician: Bob Bagley MT0002404

Provider: Wm. Kyle Johnson #MP1058 MP0001058 12/31/2026

Aerators: Operational Filters: Operational Irrigation Pumps: Operational Disinfection Device: Operational

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments 5

- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12. Tank @ normal levels. Both pumps working properly at the time of service. - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

2918 Dauer Ranch Rd. New Braunfels, TX 78130

(830) 303-4065 www.septictex.com info@septictex.com

Printed:3/19/2024 Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7

781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health r: Comal County Office of Envirno

Customer ID: 1184 System Info: MFG: Brand: Treatment Type: Traditional Disposal Type: Conventional Insp ID: 19785

Installed: 3/3/2010 Warranty Expiration: 3/3/2012 Visit Details

Entered By: Chasity Schneider Visit Date: 3/19/2024

Contract Starts: 9/1/2023 Scheduled Date: 3/13/2024 Contract Ends: 9/1/2024 Entered On: 3/19/2024

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 7 of 12

Method: Grab License # Expires 10/31/2025 Technician: Bob Bagley MT0002404 Provider: Wm. Kyle Johnson #MP1058 MP0001058 12/31/2026

✓ Service Completed

Irrigation Pumps: Operational

Tank Lid / Riser: Secured

Comments

- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12. Tank @ normal levels. Both pumps working properly at the time of service. - Technician Secured the Tank Lid and/or Riser prior to leaving location. - Technician Secured the Tank Lid or Riser prior to leaving location.

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

2918 Dauer Ranch Rd. New Braunfels, TX 78130

(830) 303-4065 www.septictex.com info@septictex.com

Printed:4/12/2024

Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7

781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health /: Comal County Office of Envirno

System Info: MFG: Brand:

Treatment Type: <u>Traditional</u>

Disposal Type: Conventional Warranty Expiration: 3/3/2012

Insp ID: 19893

Customer ID: 1184

Visit Details

Installed: 3/3/2010

Entered By: Chasity Schneider

Scheduled Date: 4/10/2024

Contract Starts: 9/1/2023 Contract Ends: 9/1/2024

Entered On: 4/12/2024

Visit Date: 4/10/2024

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 8 of 12

Method: Grab

License#

Expires

Technician: Bob Bagley

MT0002404

10/31/2025

Provider: Wm. Kyle Johnson #MP1058

MP0001058

12/31/2026

✓ Service Completed

Aerators: Operational Filters: Operational Irrigation Pumps: Non-Operational Disinfection Device: Operational

Floats: Non-Op

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alam: Operational

Comments

(2) Lift Stations - Inspected the systems and found (1) sewage pump, (1) control panel and (3) floats are not working and need to be replaced. **Repair quote sent under separate cover - Technician Secured the Tank Lid or Riser prior to leaving location.

Provider: Wm. Kyle Johnson

Wm. Kyle Johnson Central Texas Aerobics, Inc.

License: Number: MP0001058 Exp: 12/31/2026

2918 Dauer Ranch Rd. New Braunfels, TX 78130 (830) 303-4065 www.septictex.com info@septictex.com

Printed:5/20/2024

Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7

781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

/: Comal County Office of Environ

Customer ID: 1184

Insp ID: 20045

System | nfo: MFG: Brand:

Treatment Type: Traditional Disposal Type: Conventional

Installed: 3/3/2010 Warranty Expiration: 3/3/2012
Visit Details

Visit Date: 5/8/2024 Entered By: Chasity Schneider

 Scheduled Date:
 5/8/2024
 Contract Starts:
 9/1/2023

 Entered On:
 5/20/2024
 Contract Ends:
 9/1/2024

Entered On: <u>5/20/2024</u>
Visit Results

Service Type: Scheduled Inspection

Count: Inspection 9 of 12

 Method: Grab
 License #
 Expires

 Technician: Bob Bagley
 MT0002404
 10/31/2025

 Provider: Wm. Kyle Johnson #MP1058
 MP0001058
 12/31/2026

✓ Service Completed

${\color{red}\textbf{Comments}}$

(2) Lift Stations - Inspected the systems and found (1) sewage pump, (1) control panel and (3) floats are not working and need to be replaced.

**Repair quote sent under separate cover

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

2918 Dauer Ranch Rd. New Braunfels, TX 78130

(830) 303-4065 www.septictex.com info@septictex.com

Printed:7/2/2024

Permit: 91989

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7

781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health r: Comal County Office of Envirno

Customer ID: 1184 System Info: MFG: Brand: Treatment Type: Traditional Disposal Type: Conventional Insp ID: 20229

Installed: 3/3/2010 Warranty Expiration: 3/3/2012 Visit Details

Entered By: Chasity Schneider Visit Date: 6/12/2024

Contract Starts: 9/1/2023 Scheduled Date: 6/12/2024 Contract Ends: 9/1/2024 Entered On: 7/2/2024

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 10 of 12

Method: Grab License # Expires 10/31/2025 Technician: Bob Bagley MT0002404 Provider: Wm. Kyle Johnson #MP1058

Aerators: Operational

MP0001058 12/31/2026 ✓ Service Completed

Filters: Operational Irrigation Pumps: Operational Disinfection Device: Operational

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments 5

(2) Lift Stations - Inspected the systems (1) control panel and (3) floats are not working and need to be replaced. **Repair quote sent under separate cover - Technician Secured the Tank Lid or Riser prior to leaving location.

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

2918 Dauer Ranch Rd. New Braunfels, TX 78130 (830) 303-4065 www.septictex.com central@septictex.com

Permit: 91989

✓ Service Completed

Printed:9/4/2024

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 LS for #7

781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

r: Comal County Office of Environ

System Info: MFG: Brand: Customer ID: 1184

Treatment Type: Traditional Disposal Type: Conventional Insp ID: 20427

 $\begin{array}{ccc} & \text{Installed: } \underline{3/3/2010} & \text{Warranty Expiration: } \underline{3/3/2012} \\ \text{Visit Details} & & & & \\ \end{array}$

Visit Date: 8/14/2024 Entered By: Kaydee Nelson

 Scheduled Date: 8/10/2024
 Contract Starts: 9/1/2023

 Entered On: 9/4/2024
 Contract Ends: 9/1/2024

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 12 of 12

 Method: Grab
 License #
 Expires

 Technician: Bob Bagley
 MT0002404
 10/31/2025

 Provider: Wm. Kyle Johnson #MP1058
 MP0001058
 12/31/2026

Aerators: Operational Filters: Operational Irrigation Pumps: Operational

Disinfection Device: Operational

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

(2) Lift Stations - Inspected the systems and found (1) sewage pump, (1) control panel and (3) floats are not working and need to be replaced. **Repair quote sent under separate cover

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

2918 Dauer Ranch Rd. New Braunfels, TX 78130 (830) 303-4065 www.septictex.com central@septictex.com

Printed:9/12/2024

Permit: 91989

✓ Service Completed

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 Shelters LS

781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

r: Comal County Office of Environ

System Info: MFG: Brand: Customer ID: 1184

Treatment Type: Traditional Disposal Type: Conventional Insp ID: 20477

 $\begin{array}{ccc} & \text{Installed: } \underline{3/3/2010} & \text{Warranty Expiration: } \underline{3/3/2012} \\ \text{Visit Details} & & & \end{array}$

Visit Date: 9/6/2024

 Scheduled Date: 10/1/2024
 Contract Starts: 9/1/2023

 Entered On: 9/12/2024
 Contract Ends: 9/1/2024

Entered By: Kaydee Nelson

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 13 of 12

 Method: Grab
 License #
 Expires

 Technician: Bob Bagley
 MT0002404
 10/31/2025

 Provider: Wm. Kyle Johnson #MP1058
 MP0001058
 12/31/2026

Aerators: Operational
Filters: Operational
Irrigation Pumps: Operational
Disinfection Device: Operational

Floats: <u>OP</u> Timer: <u>OP</u>

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

(2) Lift Stations - Inspected the systems and found (1) control panel and (3) floats are not working and need to be replaced. **Repair quote sent under separate cover - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

2918 Dauer Ranch Rd. New Braunfels, TX 78130 (830) 303-4065 www.septictex.com central@septictex.com

Permit: 91989

✓ Service Completed

Printed:10/11/2024

Site: 781 Jacobs Creek Park Rd, Canyon Lake, TX 78133

Randolph Brooks Rec Site #8 Shelters LS

781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

r: Comal County Office of Environ

System Info: MFG: Brand: Customer ID: 1184

Treatment Type: Traditional Disposal Type: Conventional Insp ID: 20582

Visit Date: 10/10/2024

 Scheduled Date: 10/9/2024
 Contract Starts: 9/1/2023

 Entered On: 10/11/2024
 Contract Ends: 9/1/2024

Entered By: Chasity Schneider

Visit Results

Service Type: Scheduled Inspection

Count: Inspection 14 of 12

 Method: Grab
 License #
 Expires

 Technician: Bob Bagley
 MT0002404
 10/31/2025

 Provider: Wm. Kyle Johnson #MP1058
 MP0001058
 12/31/2026

Aerators: <u>Operational</u>
Filters: <u>Operational</u>
Irrigation Pumps: <u>Operational</u>
Disinfection Device: <u>Operational</u>

Floats: <u>OP</u> Timer: <u>OP</u>

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

- STATE MAINTENANCE INSPECTION

C1=(GRAB) STRIP/DPD C12. (2) Lift Stations - Inspected the systems and found (1) control panel and (3) floats are not working and need to be replaced. **Repair quote sent under separate cover - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

2918 Dauer Ranch Rd. New Braunfels, TX 78130 (830) 303-4065

> www.septictex.com central@septictex.com

Randolph Brooks Rec Site #8 Shelters LS

781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

/: Comal County Office of Envirno

Site Address: 781 Jacobs Creek Park Rd, Canyon Lake Permit #: 91989

System Info: MFG: Brand: ID: $\frac{1184}{1}$ Treatment Type: $\frac{1}{1}$ Disposal Type: $\frac{1}{1}$ Di

Visit Date: 11/13/2024 Entered By: Chasity Schneider

Scheduled Date: Contract Starts: 9/1/2023
Entered On: 12/4/2024 Contract Ends: 9/1/2024

Visit Results

Service Type: Inspection

Printed:12/4/2024

 Method: Grab
 License #
 Expires

 Technician: Bob Bagley
 MT0002404
 10/31/2025

Provider: Wm. Kyle Johnson #MP1058 MP0001058 12/31/2026 ✓ Service Completed

Aerators: Operational
Filters: Operational
Irrigation Pumps: Operational
Disinfection Device: Operational

Floats: Non-Op
Timer: OP

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

(2) Lift Stations - Inspected the systems and found (1) control panel and (3) floats are not working and need to be replaced. **Repair quote sent under separate cover - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

2918 Dauer Ranch Rd. New Braunfels, TX 78130 (830) 303-4065

www.septictex.com central@septictex.com

Randolph Brooks Rec Site #8 Shelters LS

781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

/: Comal County Office of Envirno

Site Address: 781 Jacobs Creek Park Rd, Canyon Lake Permit #: 91989

System Info: MFG: Brand: ID: 1184
Treatment Type: Traditional Disposal Type: Conventional Insp ID: 20819

Visit Date: 12/11/2024 Entered By: Chasity Schneider

Scheduled Date: Contract Starts: 9/1/2023
Entered On: 12/17/2024 Contract Ends: 9/1/2024

Visit Results Printed:12/17/2024

 Method: Grab
 License #
 Expires

 Technician: Bob Bagley
 MT0002404
 10/31/2025

Provider: Wm. Kyle Johnson #MP1058 MP0001058 12/31/2026 ✓ Service Completed

Aerators: Operational
Filters: Operational
Irrigation Pumps: Operational
Disinfection Device: Operational

Floats: <u>OP</u> Timer: <u>OP</u>

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

(2) Lift Stations - Inspected the systems and found (1) control panel and (3) floats are not working and need to be replaced. **Repair quote sent under separate cover - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

2918 Dauer Ranch Rd. New Braunfels, TX 78130 (830) 303-4065

www.septictex.com central@septictex.com

Randolph Brooks Rec Site #8 Shelters LS

781 Jacobs Creek Park Rd Canyon Lake, TX 78133

Agency: Comal County Office of Environmental Health

/: Comal County Office of Envirno

Site Address: 781 Jacobs Creek Park Rd, Canyon Lake Permit #: 91989

System Info: MFG: Brand: ID: 1184
Treatment Type: Traditional Disposal Type: Conventional Insp ID: 21009

Visit Date: 1/8/2025 Entered By: Chasity Schneider

Scheduled Date: Contract Starts: 9/1/2023
Entered On: 1/30/2025 Contract Ends: 9/1/2024

Visit Results

Service Type: Inspection

Printed:1/30/2025

 Method: Grab
 License #
 Expires

 Technician: Bob Bagley
 MT0002404
 10/31/2025

Provider: Wm. Kyle Johnson #MP1058 MP0001058 12/31/2026 ✓ Service Completed

Aerators: Operational
Filters: Operational
Irrigation Pumps: Operational
Disinfection Device: Operational

Floats: <u>OP</u> Timer: <u>OP</u>

Tank Lid / Riser: Secured

Electric Circuits: Operational Distribution System: Operational Drip/Sprayfield Veg: Operational

Alarm: Operational

Comments

(2) Lift Stations - Inspected the systems and found (1) control panel and (3) floats are not working and need to be replaced. **Repair quote sent under separate cover. - Technician Secured the Tank Lid and/or Riser prior to leaving location.

Provider: Wm. Kyle Johnson Wm. Kyle Johnson

AFE Customer ID:	554



For Office Use:

Gate Code:

S

Permit No. 91989

Delta White Water Filter/Drip Syste Model #8115-8230

Brand / MFG / Model: Dual 500GPD White Water ATUS

System Serial No.

Guard Gate

2025 SERVICE CONTRACT v.4.0 (for COMMERCIAL SYSTEM)

This Agreement for Service (this "Agreement") is hereby made on this 8th day of January ,2025 by and between San Aerobic ("Service Provider")

ANCHOR PACIFIC c/o RANDOLPH BROOKS AFB CANYON LAKE RECREATION AREA SAN AEROBIC and 29540 SLUMBERWOOD Owner/Owner's Rep Name Contact: ROBERT ESTUS Company (If Commercial Contract) FAIR OAKS RANCH, TX 78015 (210) 260-6587 SERVICE@SANAEROBIC.COM CAMP SHELTERS #1-8 @RESERVOIR CANYON, TRACT 117 781 JACOBS CREEK PARK RD TCEQ #MP0002483 MAINTENANCE PROVIDER CEQ #OS0034808 INSTALLER Service Property Address TCEQ #MT0001764 AEROBIC TECH TCEQ #MT0002370 AEROBIC TECH CANYON LAKE, TX 78133 Site No. 10 City, State & Zip Site Description: Services 8 Camp Shelters (805) 479-8412 COMAL 2 x 500GPD ATUs (1000GPD Total): Delta White Water Phone Alt. Phone/Fax County / Permitting Agency Drip System. CANYON RESOVOIR, TRACT 117 robert@anchorpacific.com (CANYON RECREATION AREA)

collectively referred to herein as the "Parties" and individually as the, or a "Party". This Agreement shall not be entered into, nor commence until the day of LTO (License to Operate) issuance, if said system is new and awaiting license/permit; or for an existing, licensed system, this Agreement shall commence on the date chosen by Owner and designated in *paragraph 1B* on the second page of this Agreement.

WHEREAS, Owner desires to obtain the services of Service Provider; and

WHEREAS, Service Provider agrees to provide to Owner the services he/she so desires (the "Services");

NOW, THEREFORE, the Parties agree that Owner shall obtain and Service Provider shall provide the subject Services pursuant to the following terms and conditions:

TERMS AND CONDITIONS

1. SERVICES

- A. Owner and Service Provider hereby acknowledge and agree that Service Provider shall provide to Owner the following Services, in accordance with the terms and conditions of this Agreement as follows:
 - As maintenance provider for Owner's aerobic system, San Aerobic must provide and perform a complete system inspection, as required by County and Texas State Law, every four (4) months. Inspections include the following:
 - a.) Visual inspection by TCEQ licensed Maintenance Provider or Maintenance Tech.
 - Sludge measurements of all accessible chambers (sludge measurements will be noted on every report).
 - c.) Determination if pumping is needed.
 - d.) Adjustments of electrical and mechanical equipment.
 - e.) Testing of sprinkler system, aerator, discharge pump and alarms.
 - f.) Filter and diffuser cleaning (if needed).
 - g.) Chlorine residual testing, if applicable; other water tests if required.
 - h.) Monthly Chlorine Service, if applicable.

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	i.) Attending to any misc. problems or issues which will need to be noted on inspection report and brought to Owner's attention.
ii.	San Aerobic is responsible for concluding every inspection with a written report of all findings, measurements and relevant observations, to be faxed to the appropriate county in a timely manner. A copy of the same report will be left with the Owner.
iii.	Owner's address and/or Billing address: Same as Property Address Above
	Alternate Address: <u>3600 HARBOR BLVD</u> , STE 415, OXNARD, CA 93035
	City State Zip code
shall issua	ter (or Owner's Representative) and Service Provider hereby acknowledge and agree that this Service Contract commence on the <u>1st</u> day of <u>March</u> , <u>2025</u> . (which shall be the day of LTO (License to Operate) ance, if system is new and previously unlicensed); and cease in completion on the <u>30th</u> day of tember, 2025 (the "Completion Date").
i.	This Service Contract shall cover a term of: ONE TWO FOUR YEARS Other term: 6 mnths

- C. An inspection of Owner's system will initiate upon the signing of this Agreement; thereafter inspections will occur every four (4) months (or every 2 months, if commercial system) from commencement date until either the expiration of this Agreement or renewal thereof.
 - 1. Prior to an inspection, Service Provider will contact Owner by means of phone or email, in order to schedule the inspection. If Owner does not require advance notice, the Service Provider or Maintenance Tech can automatically arrive on or around due date and commence the inspection, without bother to Owner, as Owner is not required to be on premises, nor needed for any reason to complete the inspection. Please let your service technician know if you do not require prior notification of inspections.
- D. If this Service Contract covers a residential property, it includes an initial inspection upon signing this Agreement; and three (3) required inspections per year, every four months. If the designated property is commercial, then this Service Contract includes six (6) inspections per year, unless otherwise noted; there are exceptions, or properties which are classified as "Special" and, by law, require a different number of inspections. Often times, a very small business, would of course be "Commercial" Property, but only require the standard three (3) yearly inspections, typically required for a residential property. Any "Special Contracts" will be designated as such within this Service Contract, its terms defined and described in notations and/or in an addendum to this Service Contract.

 ***This System will be inspected & routine maintenance will be performed on a monthly basis.
- E. This Service Contract DOES NOT INCLUDE:
 - i. The cost of components needed to repair system, if and when repairs are needed.
 - ii. The cost of labor and time required to repair system, if and when repairs are necessary.
 - iii. The costs of chlorine tablets or bleach service, as *THIS IS A MONTHLY RESPONSIBILITY OF THE OWNER, TO OBTAIN CHLORINE TABS/BLEACH AND ADD TO SYSTEM.* If requested, Service Provider can demonstrate to Owner, the correct procedure on maintaining system's chlorine/bleach supply.
 - iv. The cost of pumping system, when pumping is required and/or advised.
 - V. Any service/repairs required due to misuse or negligence.
 - Vi. The cost of any laboratory testing.
 - vii. Service calls.

В.

2. PRICING AND PAYMENT OF SERVICES

A. The cost for most single-system residences is \$350.00 for One (1) year; \$600.00 for Two (2) years; or\$1000for Four (4) years. More complex systems such as Norweco systems cost \$400.00 for One (1) year; \$700.00 for Two (2) years; or \$1,200 for Four (4) years. For residences with more than one septic system, these amounts would be multiplied by the number of systems existing on the property. Some residences shall be considered "Special Residences", and therefore will be quoted a price by Service Provider. The cost for businesses, schools, churches, or any other commercial property is dependent upon the number of inspections required per year, as some are

monthly, others being bi-monthly, every four (4) months, or every two (2) months—totaling six (6) inspections per year. Service Provider will quote a price for each commercial system. New systems installed by Rob Wise Construction qualify for half price: One (1) year for \$125.00 or Two (2) years for \$200.00. Drip systems are priced the same as Norweco systems. Properties located outside provider's service area will be charged an additional \$100.

i. The agreed cost of this Service Contract is \$.00; Payment in full is required upon both Parties signing this Agreement.

Drip System? YES NO In Service Area? YES NO

B. System components, including but not limited to; pumps, compressors, aerators, sprinkler heads, tree floats, etc., are not covered under this Agreement. If a component fails & needs repair or replacement, the Owner will be responsible for the cost of said component & its installation. Owner will be quoted and must approve repair costs before Service commences. On large jobs, a price will be quoted and agreed upon between parties prior to commencement.

Do you have dogs? YES NO If so, do they have a history of agreesion or biting humans? YES NO If you can not present the property of agreesion or biting humans?

If we can not access property during an attempted routine inspection visit due to aggressive dogs, Owner shall be charged \$75 to reschedule the appointment. If provider cannot access the Owner's property for any reason during an attempted pre-scheduled inspection visit, Owner shall be charged \$75 to reschedule the appointment.

C. Owner and Service Provider hereby acknowledge and agree that Owner shall pay any and all invoices received from Service Provider by way of check, certified check, money order, credit card, cash, PayPal, or by such other means as Owner and Service Provider may agree in writing.

***One (1) FREE Service Call a year (see below for details)

3. SERVICE CALLS & NECESSARY REPAIRS

If Owner has some sort of emergency situation which requires immediate assistance, Service Provider will respond within twelve (12) hours at the most; and usually will be able to get out to the system within 1-4 hours. If system is in alarm, in most cases we will be able to respond the same day or the following day; however, if that's not possible, we will respond within 4 days. If Owner's system needs adjustments (i.e. timer or sprinkler adjustment), but there is no immediate urgency, Service Provider will schedule the adjustment within the next two weeks, on a day there are other jobs in the same area/neighborhood. Homeowner shall receive one free service call per year, in addition to routine maintenance visits. Non-emergency adjustments with no mechanical urgency will be charged service call fees, if Owner desires them completed on days other than routine, scheduled maintenance visits. Regular service call fee is \$125; after hours & Saturday service calls are \$195; Sunday service calls are \$250; service calls for the following holidays are \$350: New Year's Day/Eve, Labor Day Weekend, Memorial Day Weekend, 4th of July, MLK Day. Service call fee for Easter Weekend, Thanksgiving and Christmas Eve/Day is \$425. Commercial Service Calls are as follows: Regular biz hrs / week days \$225; After Hours & Sat \$300; Sun \$350; Labor Day or Memorial Day Weekends, 4th of July, MLK Day \$400; Good Friday/Easter Sunday/Thanksgiving/Christmas Eve/Christmas Day & New Years Eve/Day \$500.

Sometimes during a routine inspection or service call, safety issues arise. An example would be a cracked or broken lid that needs to be repaired or replaced right away. In this case, and in this case only, it would be necessary for the Service Provider to go ahead and make the necessary repairs, with or without prior notification to the Owner. This is the only time a Service would be rendered without the knowledge or consent of the Owner. In this type of situation, the Service Provider will leave an invoice at Owner's residence, detailing the charges and repairs made and/or parts replaced.

4. LIMITATION OF LIABILITY

- A. Subject to Owner's obligation to pay the Service Fee to Service Provider, either of the Parties liability in contract, tort, or otherwise (including negligence) arising directly out of or in connection with this Agreement or the performance or observance of either Party's obligations under this Agreement and every applicable part hereof shall be limited to the aggregate amount of the Service Fee of this Agreement.
- B. To the extent permitted by applicable law and subject to Owner's obligation to pay the Service Fee to Service Provider, in no event shall either Party be liable for any loss of profits, goodwill, loss of business, loss of data, or any other indirect or consequential loss or damage whatsoever.
- C. Nothing contained in Paragraph 5.B shall serve to limit or exclude either party's liability for death or personal injury arising from each Party's own negligence.

5. REPRESENTATIONS AND WARRANTIES

- A. Service Provider hereby represents and warrants to Owner that it shall perform any and all Services for Owner with reasonable care and skill and that the Services provided to Owner as contemplated in this Agreement shall not infringe or violate any intellectual property rights or other rights of any third parties.
- B. If Owner is, at any time, unsatisfied with any of the Services provided, the entire Fee of this Service Contract will be refunded, minus an appropriate fee for any inspections already performed. The cost of an inspection is the cost of the Service Contract Fee divided by the number of inspections it includes.

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6. TRANFER OF OWNERSHIP

In the case that Owner is selling his/her property during the Maintenance period designated per this Agreement, Owner is not entitled to a refund of the Service Contract Fee. Instead, the remainder of Service Contract transfers to new Owner upon payment of a \$45 transfer fee.

7. MISCELLANEOUS

- A. Owner and Service Provider hereby acknowledge and agree that this Agreement shall become effective on the date first above written and shall continue, in full force and effect, unless and until it is terminated by either of the Parties hereto
 - i. Either Party may terminate this Agreement upon written notice to the other Party if either Party to this Agreement is in breach of any of its obligations contained in this Agreement, and such breach is not remedied within fifteen (15) business days of written notice from the other Party.
 - ii. Service Provider reserves the right to terminate this Agreement for any reason he deems appropriate or necessary; in which case the Service Contract Fee will be refunded in part or whole, depending on number of inspections already completed by Service Provider. The amount refunded shall be equal to the Service Contract Fee, minus the cost of individual inspection (if one or more have been completed), multiplied by the number of completed inspections. Cost per inspection is calculated by dividing Service Contract Fee divided by number of inspections required. In the case Service Provider chooses to terminate this Agreement, Owner shall be notified in writing.
- B. **MODIFICATION:** No modification of, or amendment to, this Agreement, nor any waiver of any rights under the Agreement, shall be effective unless in writing signed by the Party to be charged; and the waiver of any breach or default shall not constitute a waiver of any other right hereunder or any subsequent breach or default.
- C. **RELATIONSHIP OF THE PARTIES:** Owner and Service Provider hereby acknowledge and agree that as to the Services performed by Service Provider under this Agreement, Service Provider's employees, agents, and/or subcontractors shall be independent contractors of Service Provider. Nothing contained in this Agreement shall be deemed to create a partnership, joint venture, or relationship or otherwise between the Parties.
- D. **ENTIRE AGREEMENT:** This Agreement constitutes the entire agreement between Owner and Service Provider in respect of the subject matter herein and supersedes all previous negotiations, understandings, and agreements, verbal or written, with respect to any matters referred to herein. No amendment, change, qualification, waiver, cancellation, or termination of this Agreement shall be effective or binding unless executed in writing by the Party to be bound thereby. The failure at any time of any Party to insist upon strict performance of any provision of this Agreement shall not limit the ability of that Party to insist at any future time whatsoever upon the performance of the same or any other provision (except insofar as that Party may have given a valid and effective waiver and release).
- E. **COUNTERPARTS:** This Agreement may be executed in any number of counterparts, and by facsimile, and by email, each of which shall be considered an original and all of which, taken together, shall constitute one and the same instrument.
- F. **INSURANCE & HOME WARRANTY COMPANIES:** The Service Provider will provide service to those whose property has been insured, and furthermore being repaired or replaced by an insurance company.

HOWEVER, Service Provider will not work directly with an Owner who involves, or is represented by, a Home Warranty Company as a third party that may be ultimately financially responsible for any services performed on Owner's property by Service Provider; and that insists on paying Service Provider directly, instead of reimbursing Owner, after Owner has paid Service Provider. If an Owner has a Home Warranty Contract on item(s) which needs repair or replacement and wishes to employ the services of Service Provider, the Service Provider will engage in such services, provided that the Owner agrees to pay Service Provider in full upon completion of said job (or by due date mutually agreed upon prior to the rendering of services), out of his/her own pocket. Service Provider will not work directly with the Home Warranty Company in any manner, nor wait to be paid by such company, rather than being paid upon completion of services by Owner. Service Provider will provide job estimates/quotes to Home Warranty Company; However, Owner is fully financially obligated to pay Service Provider, in full, in a timely manner, regardless of whether or he/she has been reimbursed by Home Warranty Company. Obtaining reimbursement or payment for said "covered" services, from Home Warranty Company, is entirely between said company and Owner of property, and has no bearing on the prompt and full payment by Owner to Service Provider.

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Owner MUST PAY Service Provider in full by due date; and Owner who is relying on, expecting and/or waiting for a Home Warranty Company to reimburse money paid to Service Provider, is doing so at his/her OWN RISK.

G.	GATE CODES OR SPECIAL INSTRUCTIONS:					

IN WITNESS WHEREOF, Owner and Service Provider have hereby signed and executed this Agreement as of the day and year first above written; and Agreement will become "active" and officially commence as of the date designated on page 2, paragraph 1B.

OWNER

Owner/Owner's Rep Signature

Robert Estus, Anchor Pacific

Owner's Name (Printed)

SERVICE PROVIDER

LOLITA O'CONNOR

SAN AEROBIC

TCEQ Maintenance Provider TCEQ License No. MP0002483

RETURN THIS CONTRACT via EMAIL to: SERVICE@SANAEROBIC.COM

SAN AEROBIC <u>WWW.SANAEROBIC.COM</u> (210) 260-6587