

Brunswick County Health Department
Environmental Health Section
Wastewater Collection, Treatment
and Subsurface Disposal System

BCHD # 96/44029 F

OPERATION PERMIT

In accordance with the provisions of Article 11 of Chapter 130A, General Statutes of North Carolina 15A NCAC 18A.1900 et seq., and other applicable Laws and Rules as amended, **PERMISSION IS HEREBY GRANTED TO:**

Owner Dona Mahler Phone 842-8162
Address 948 Sabbathome Rd
Supply, NC 28462

FOR THE
operation of a 735 GPD wastewater collection, treatment and disposal system
WHICH SHALL SERVE: Cuddle Bears Day Care

LOCATED: 948 Sabbathome Rd
Supply NC 28462

Tax Map Reference Tracts one + two Parcel # 23200016 + 23200005
GIS Location 948 Sabbathome Rd

with no discharge of wastes to the ground surface or surface waters p to 15A NCAC 18A section. 19000 et seq. -Laws and Rules for Sanitary Sewage Collection Treatment, and Disposal [Hereinafter "Laws and Rules"] and in conformity with the project plans, specifications, and other supporting data subsequently filed and approved by the Department of Environment, Health, and Natural Resources and/or the Brunswick County Health Department (BCHD) and considered part of this permit

The wastewater collection treatment, and disposal system ["the system" or "the facility"] as described in the Improvements Permit and accompanying data.

The system is classified as a TYPE IVa Wastewater Treatment and Disposal System in accordance with 15 NCAC 18A.1961

The Owner shall be subject to the following conditions and limitations:

I. GENERAL CONDITIONS

1. This permit is effective only with respect to the specific design flow facilities, and connections and the nature and volume of waste described in the Permit Application, and other supporting data. Changes in the facilities, connections, nature or volume of waste render this permit void.

2. Ownership or management changes shall be provided to the BCHD within 90 days of such changes.
3. All documents, including but not limited to site evaluation, design review plans and specifications, Triparty Agreements, Easements, and other legal agreements will become a part of the Permit. This includes operation and maintenance procedures and other pertinent documents relating to system operation and maintenance.
All legal documents must be recorded with the Brunswick County Register of Deeds, and proof of filing submitted before the Operation Permit is issued, conditional on recordation and enforcement of easement conditional.
4. The Owner/Operator, as applicable, is responsible for compliance with 15A NCAC 18A Section. 1900 et seq.-Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal.
5. No addition, expansion, alteration, or repair (other than the replacement of components with like components) shall be made to the system without first obtaining authorization or an Improvement Permit from the BCHD in accordance with NCGS 130A-336. Replacement of components shall be noted on inspection reports.
6. This permit may be suspended or revoked unless all conditions of this permit are complied with and the system is in all respects in compliance with this permit.
7. Failure to abide by the conditions and limitations contained in this permit may subject the Owner to enforcement action in accordance with NCGS 130A-18, 130A-22C, 130A-23, and/or 130A-25.
8. A useable repair area as designated herein, with buffers, shall be maintained and reserved for the addition to or replacement of the initial system drainfields. The area shall be separate from the area of the initial system.
9. No traffic, vehicles, construction of any type or excavation shall be allowed on the system or repair area.
10. The BCHD may amend, revise, or revoke and reissue this permit including frequencies in the schedule of operation and maintenance based on monitoring data, water usage, system performance, or facility use.
11. It shall be the responsibility of the Owner to notify any future or subsequent owners of the requirements contained within this permit, including the requirement to contract with a management entity.
12. The owner is responsible for compliance with 15A NCAC 18A section .1900 - Laws and Rules for Sewage Collection, Treatment, and Disposal.
13. All subsequent owners of this property and sewage system, shall execute a contract between the owner and an approved management entity or the operations permit will become invalid immediately. Management of the sewer system to be provided at all times.
14. All contracts between owners, management entity (Public or Private), or Health Department, shall be reviewed and approved before being accepted.
15. The issuance of this permit does not preclude the permittee from complying with any and all statutes, regulations, or ordinances which may be imposed by other government agencies which have jurisdiction, or any other permits issued by this department.
16. A properly certified Operator shall be provided at all times as indicated on the Authorization to Construct.

II. PERFORMANCE STANDARDS

1. In the event of failure of the system to perform satisfactorily, as determined by the BCHD, the owner shall take immediate corrective actions, including actions as may be

required by the BCHD, such as the construction of additional or replacement wastewater treatment or disposal facilities, upon receipt of a repair Improvement Permit.

2. The septage generated from this system shall be transported and disposed of in accordance with Article 9 of Chapter 130A 15A NCAC 13B et seq. and in a manner approved by the North Carolina Division of Solid Waste Management. The Owner shall specify the approved hauler and disposal sites and submit this information in writing to this office within 30 days. The BCHD shall be notified of any changes in this information.
3. Adequate measures shall be taken to divert stormwater from the system and drainfield areas.
4. Diversion or bypassing of untreated or partially treated wastewater from the facility is prohibited.
5. The issuance of this permit shall not relieve the Owner of the responsibility for damages to surface or groundwaters resulting from the operation of this facility.

III. OPERATION AND MAINTENANCE REQUIREMENTS

1. The system shall be properly maintained and operated at all times in accordance with the Laws and Rules, and with the Schedule of Operation and Maintenance of this permit
2. The application rates to the disposal field shall not exceed _____ gal/sq.ft.day.
3. No traffic, vehicles, or excavation shall be allowed on the system drainfield or repair area except that of the system operator or authorized personnel.
4. The Owner shall have at all times, an Operator in Responsible Charge [ORC] designated for this system who is properly certified for subsurface wastewater treatment and disposal systems and/or wastewater treatment as deemed applicable for this system. The ORC shall be under contract to the Owner or an employee of the Owner for the duration of this permit. A copy of the executed contract shall be submitted to the BCHD prior to the date of Operation Permit issuance. Notification of any changes to this contract or a change in the system ORC shall be submitted in writing to the BCHD at least 30 days in advance of the change.
5. This system is classified as a Type IV A System and shall be inspected by the ORC at a minimum frequency of TWICE or 2 times per year.
6. The facilities shall be effectively maintained as a ground absorption system to prevent the discharge of any wastewater to the ground surface, surface waters, or groundwater.
7. The owner is responsible for keeping the plumbing system of the house in good repair and eliminating leaks, drips, or excess flows as they are found. The owner shall also test the alarm panel monthly to insure proper operation.
- A "startup" inspection shall be conducted with the engineer, the BCHD, the installer, the Owner, and the Operator present
- A permanent barrier shall be provided and in place around the system/repair areas before the Operations Permit is issued.

TOTAL DESIGN CAPACITY

39 children + six employees
15 gallons @ Bedrooms/residence *25 gallons @*
022 Connections x 735 GPD for a total flow of 735 GPD.
Day care

THE FOLLOWING DOCUMENTS ARE CONSIDERED A PART OF THIS PERMIT AND COMPLIANCE IS REQUIRED:

- The application for Permit.
- The site evaluations.
- The Improvements Permit -The Authorization to Construct.
- Article 11 of Chapter 130A of the General Statutes of North Carolina entitled "Wastewater Systems".
- Rules for Sewage Treatment and Disposal Systems 15A NCAC 18A.1900.
- Approved Plans and Technical Specifications.
- Letters.
- The Declaration of Easement, Tripartite Agreements, Covenants, Homeowners Association By-Laws, Articles of Incorporation, Conditions and Restrictions regarding this installation and system-
- As-Built plans and specifications and technical manuals.
- Other _____

SCHEDULE OF OPERATTON AND MAINTENANCE

Every 6 months: Septic tanks shall be inspected for influent/effluent line blockage, tank / riser / pipe connection leakage, wastewater levels and solids accumulation. Blockages or leaks shall be repaired. Tanks shall be pumped when the solids level exceeds one-third of the liquid capacity of the tank in the inlet chamber, and as otherwise determined necessary by the ORC or the BCHD. The outlet filter shall be inspected for clogging (recommend cleaning at each inspection)

Every 6 months: The actual dosing volume shall be measured at each dosing station. The flow rate to field zone shall be measured after each field has be flushed and pressure head adjusted.

Every 6 months: All laterals of each drainfield zone shall be flushed of solids accumulation with the zone valve opened. Design pressure had adjustment shall be made.

Every 3 months: Pump shall be inspected for leaks and solids accumulation. Leaks shall be repaired and solids removed as necessary. Pump controls, floats, and alarm shall be checked for proper operation. All components of the pump/control system shall be kept in compliance with design standards.

Every 3 months: Collection sewer and components shall be inspected for blockage, leakage, sludge and accumulation. Systems shall be purged of solids accumulation. Any leaks shall be repaired immediately:

Every week: Dosing pump chamber or station shall be inspected for leaks and solids accumulation. Leaks shall be repaired and solids removed as necessary. Pumps, controls, floats, panel components, alarm and autodial shall be checked for proper operation. All components of the pump/control system be kept in compliance with design standards.

Every 6 months: Drainfields area shall be inspected for seepage or saturation, settled ground surface, broken pipes, maintenance of vegetation, protection from traffic, and diversion of surface water. The owner/operator shall repair of any broken pipe, lateral end caps, or cleanouts within 24 hours of becoming aware of such a problem. The peat modules will be inspected for any structural damage, accessibility, adequate ventilation, excess odors, insect infestations, etc...

Every 6 months: control panel, pumps, floats, valves, electrical controls, and alarms shall be evaluated and field verified for proper functioning.

Every 6 months and at each inspection: Dosing station flow meters / elapsed run time meters and event counters shall be read and recorded.

As required:

- For grassed sites - Grass shall be cut regularly or when it exceeds 2-1/2 inches in height. Light weight mowers shall be used for cutting grass. Heavy brush / weeds over growth of the site shall not be allowed. - Saplings, briars, brush, and grass shall be eliminated by hand cutting and/or herbicides as often as necessary.

IV. MONITORING AND REPORTING REQUIREMENTS

1. Any monitoring deemed necessary by the BCHD to insure surface and groundwater protection will be established and an acceptable sampling reporting schedule shall be followed in accordance with Table V(b) of Rule .1961(b) of Laws and Rules and this permit.
2. One copy of all monitoring data and maintenance records signed by the Owner and Operator shall be submitted on or before the last day of the month following each 6 month period after permit issuance to the following address:

**Brunswick County Health Department
Environmental Health Division
Management Entity Section
P.O. Box 9
Bolivia, N.C 28422**

- the monitoring data shall include meter and counter readings from the recording flow meters at each dosing station.
3. The ORC shall be responsible for keeping a log of inspections including at least the following: dates, durations, and times of site visits, observations made, procedures carried out, any maintenance, repairs or corrective actions taken, meter readings, measurements, and drawdown rates. This log shall be maintained by the ORC during the term of this permit and shall be made available to the BCHD upon request.
 4. A record shall be maintained of all septage removed from the facility. The record shall include the name of the hauler, permit authorizing the disposal or a letter from the treatment facility agreeing to accept the septage, date the septage was hauled, and volume of the septage removed.
 5. The Owner/Operator shall report by telephone to the BCHD [910-253-2250], extension 2280 as soon as possible, but in no case more than 24 hours upon finding the system is malfunctioning by surfacing or back-up of effluent,

discharging directly into groundwater or surface waters, or when repairs are needed in accordance with NCGS 130A-334(9)(a) and Rule .1961© of Laws and Rules.

V. GROUNDWATER REQUIREMENTS

All groundwater monitoring, samples, and reporting as deemed necessary by the State of North Carolina, Department of Environment, Health and Natural Resources, the Division of Environmental Management and the Brunswick County Health Department shall be provided.

VI. INSPECTIONS

1. Adequate inspection, maintenance, and cleaning shall be provided by the Owner to insure proper operation of this facility.
2. The Owner shall inspect the facility to prevent malfunction, deterioration, operator error, and discharges which may cause or lead to the release of wastes to the environment, a threat to human health, or a nuisance. The Owner shall keep an inspection log including at least the following information: date and time of the inspection, observations made, and any maintenance, repairs, or corrective actions taken by the owner. This log shall be maintained by the Owner during the term of this permit and shall be made available upon request to the BCHD.
3. Any duly authorized officer, employee, or representative of the BCHD or the premises, or place on or related to the disposal site and system at any reasonable time for the purpose of determining compliance with this permit; may inspect or copy any records that must be kept under the terms and conditions of this permit; or may obtain samples of soil groundwater, surface water, effluent, septage, or leachate.

VIII. SPECIAL CONDITIONS

1. For multi-use/connection systems.
 - 1A. Each connection to this wastewater system shall be permitted separately as an amendment to this operations permit. Each connection step shall be applied for separately. For additional connections to be considered, the system have had to be designed to handle multiple facilities.
 - 1B. Prior to the issuance of each STEP system improve permit, the lot owner shall submit a set of floor plans and a site plan to the BCHD for review. After installation and inspection of and before connection of each STEP system to the collection system, the BCHD shall issue an amendment of this Operation Permit to include that STEP.
2. Recommend garbage grinders not be installed in homes.
3. Brunswick County Health Department shall be notified in writing of any changes in ownership, address, phone # or designated party/agency for operation/maintenance. Failure to notify the Department of changes shall result in the permit becoming invalid.

BCHD # 96/44029 F

Permit issued this 12th day of May, 19 99

Clay Galdeman R.S.
Environmental Health Specialist
Brunswick County Health Department

(If Applicable)

1. Operator _____
Address _____

Phone _____
Operators Contract attached (Yes) (No)

2. Engineer's Certification _____

4/22/99
A.P.

BCHD File # 96/44029

Cuddle Bears Day Care

948 Sabbath Home Rd. S.W.
Holden Beach, N.C.

Proposed Low Pressure Pipe Sewage Treatment & Disposal System

2-1250 gal. septic tanks with 2
access risers each.

1750 gal. pump tank with access
riser.

1470 ft.² LPP nitrification field
in an area 20ft. x 73.5ft.

With 4 lines 18 inches x 73.5ft.
on 5ft. centers.

1470 ft.² Repair Area 20ft. x 73.5ft.

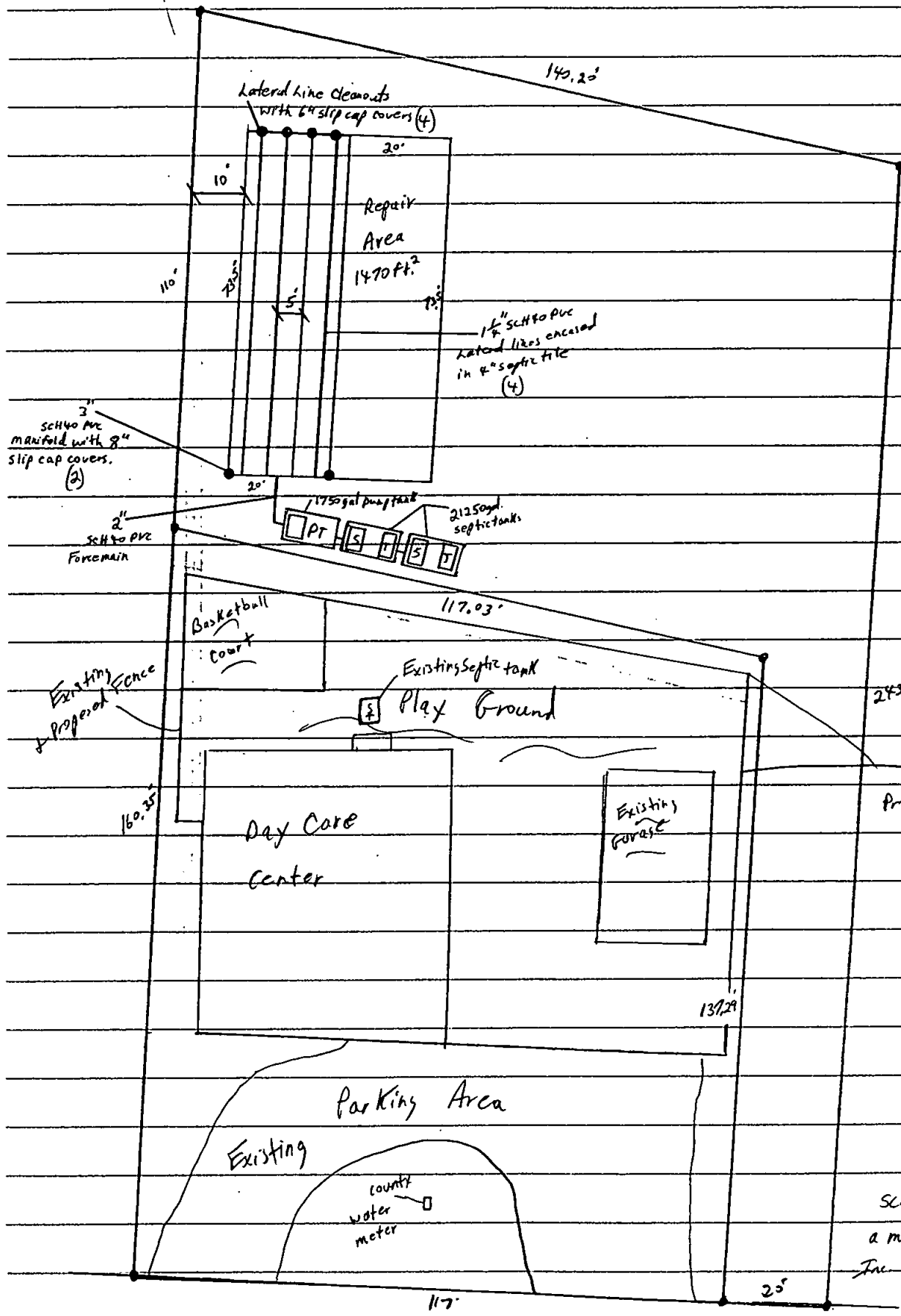
drawn by Rick Paulk
5512043

F & R Development Inc.
1861 Holden Beach Rd. S.W.

Supply, N.C. 28462

Ph 910-842-4003

Fax 910-842-4004



RECEIVED
MAY - 7 1999

Scale 1" = 30' measurements taken from
a map prepared by Brunswick Surveying
Inc. dated 1/23/85