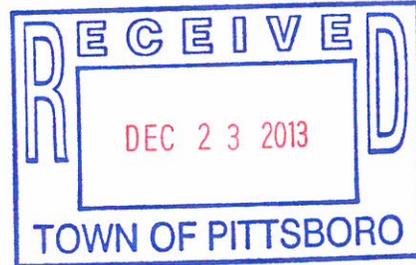




CIVIL AND STRUCTURAL ENGINEERING SERVICES, PLLC
SAMIR W. BAHHO P.E.

Date: December 22, 2013

Mr. Stuart Bass, Planning Director
Town of Pittsboro,
P.O. Box 759
Pittsboro, North Carolina 27312



Reference: The Learning Lemon Drops Child Care Center.
29 Rock Springs Church Cemetery Road, Pittsboro, NC
Request for water and sewer allocations

Mr. Bass

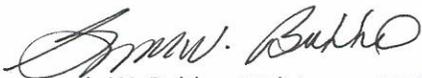
The owners of the proposed Child Care Project respectfully request that the Town grant a water and sewer allocation of 900 gallons per day in order to serve the First Phase operations of proposed facility. The request for water and sewer allocations are based on operation in the first phase of the project which is projected to be 30 Childs plus 6 Employees and the gallons allocation per person per day referred to in 15ANCAC 02T 0.0114, NCDENR "Design Flow Rates" for Schools, preschools and day care 25 gal/person/day (Child and employees). Attached is a copy of rule list

The owners of the proposed Child Care Project Will keep records of water and sewer use during the first 2 years of operations and will apply to Town of Pittsboro for full capacity based an average of recorded daily use (Full Capacity is projected to be 70 Childen+12 Employees)

Please find attached calculations of projections for first and second phase of the project use. Also, Attached an 8.5x11 copy of proposed project.

We appreciate your consideration of allocation request. For any additional information or question please call me or email me. My Telephone Number is (919) 621-0628. My Email address is ba.casespllc@gmail.com

Sincerely,


Samir W. Bahho, PE (License # 16941)

The Learning Lemon Drops Child Care Center

First Phase Projections	DENR Rull Allocations	Total Requested Allocations Gallons Per Day
30 Childen+6 Employees	25 gallons/day/person	900

Full Capacity Projections	Avarage Daily Use	Total Projected Allocations Gallons Per Day
70 Children+12 Employees	15 Gallons/day/person*	1230

* The number 15 gallons/day/person is estimated. The actual number of gallons/day/person will be based on average gallons use/day /person from recorded use of water and sewer in the first 2 years.

Design Flow Rates
 15A NCAC 02T D. 0114

Warehouse – self storage (not including caretaker residence)	1 gal/unit
Churches	
Churches without kitchens, day care or camps	3 gal/seat
Churches with kitchen	5 gal/seat
Churches providing day care or camps	25 gal/person (child & employee)
Fire, rescue and emergency response facilities	
Fire or rescue stations without on site staff	25 gal/person
Fire or rescue stations with on-site staff	50 gal/person/shift
Food and drink facilities	
Banquet, dining hall	30 gal/seat
Bars, cocktail lounges	20 gal/seat
Caterers	50 gal/100 sq ft floor space
Restaurant, full Service	40 gal/seat
Restaurant, single service articles	20 gal/seat
Restaurant, drive-in	50 gal/car space
Restaurant, carry out only	50 gal/100 sq ft floor space
Institutions, dining halls	5 gal/meal
Deli	40 gal/100 sq ft floor space
Bakery	10 gal/100 sq ft floor space
Meat department, butcher shop or fish market	75 gal/100 sq ft floor space
Specialty food stand or kiosk	50 gal/100 sq ft floor space
Hotels and Motels	
Hotels, motels and bed & breakfast facilities, without in-room cooking facilities	120 gal/room
Hotels and motels, with in-room cooking facilities	175 gal/room
Resort hotels	200 gal/room
Cottages, cabins	200 gal/unit
Self service laundry facilities	500 gal/machine
Medical, dental, veterinary facilities	
Medical or dental offices	250 gal/practitioner/shift
Veterinary offices (not including boarding)	250 gal/practitioner/shift
Veterinary hospitals, kennels, animal boarding facilities	20 gal/pen, cage, kennel or stall
Hospitals, medical	300 gal/bed
Hospitals, mental	150 gal/bed
Convalescent, nursing, rest homes without laundry facilities	60 gal/bed
Convalescent, nursing, rest homes with laundry facilities	120 gal/bed
Residential care facilities	60 gal/person
Parks, recreation, camp grounds, R-V parks and other outdoor activity facilities	
Campgrounds with comfort station, without water or sewer hookups	75 gal/campsite
Campgrounds with water and sewer hookups	100 gal/campsite
Campground dump station facility	50 gal/space
Construction, hunting or work camps with flush toilets	60 gal/person
Construction, hunting or work camps with chemical or portable toilets	40 gal/person
Parks with restroom facilities	250 gal/plumbing fixture
Summer camps without food preparation or laundry facilities	30 gal/person
Summer camps with food preparation and laundry facilities	60 gal/person
Swimming pools, bathhouses and spas	10 gal/person
Public access restrooms	325 gal/plumbing fixture
<u>Schools, preschools and day care</u>	
Day care and preschool facilities	25 gal/person (child & employee)
Schools with cafeteria, gym and showers	15 gal/student
Schools with cafeteria	12 gal/student
Schools without cafeteria, gym or showers	10 gal/student
Boarding schools	60 gal/person (student & employee)
Service stations, car wash facilities	
Service stations, gas stations	250 gal/plumbing fixture