

Because what you've got is not waste

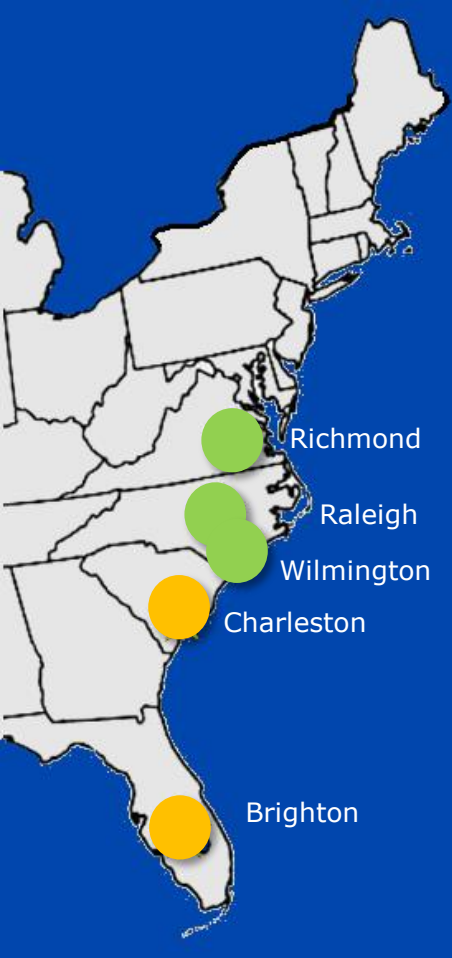


McGill Environmental Systems

Bob Broom
DC COG, April 28th, 2014

About McGill

- Founded 1991
- Multiple indoor manufacturing plants in U.S. and Ireland
- Computerized static pile, forced aeration processing
- ~100 employees worldwide



Richmond

Raleigh

Wilmington

Charleston

Brighton

In development



1991



Mid-1990s



2008



Compost manufacturing



Food waste diversion

Mobile dewatering



Debagging





Equipment mods



Renovations



McGill-Brighton

McGill-Brighton





CERTIFIED MAIL/RETURN RECEIPT
91 7108 2133 3939 6227 7195

July 01, 2013

MR. M N LYONS
MCGILL ENVIRONMENTAL SYSTEMS OF NC INC
PO BOX 61
HARRELLS, NC 28444

Re: Department Decision
MCGILL ENVIRONMENTAL SYSTEMS OF NC INC
ND Permit # ND0088374
Berkeley County

Dear Mr. Lyons:

Enclosed is the State Land Application (ND) Permit for the above referenced facility. The Department of Health and Environmental Control (DHEC) will enforce all the provisions of the permit in a timely manner.

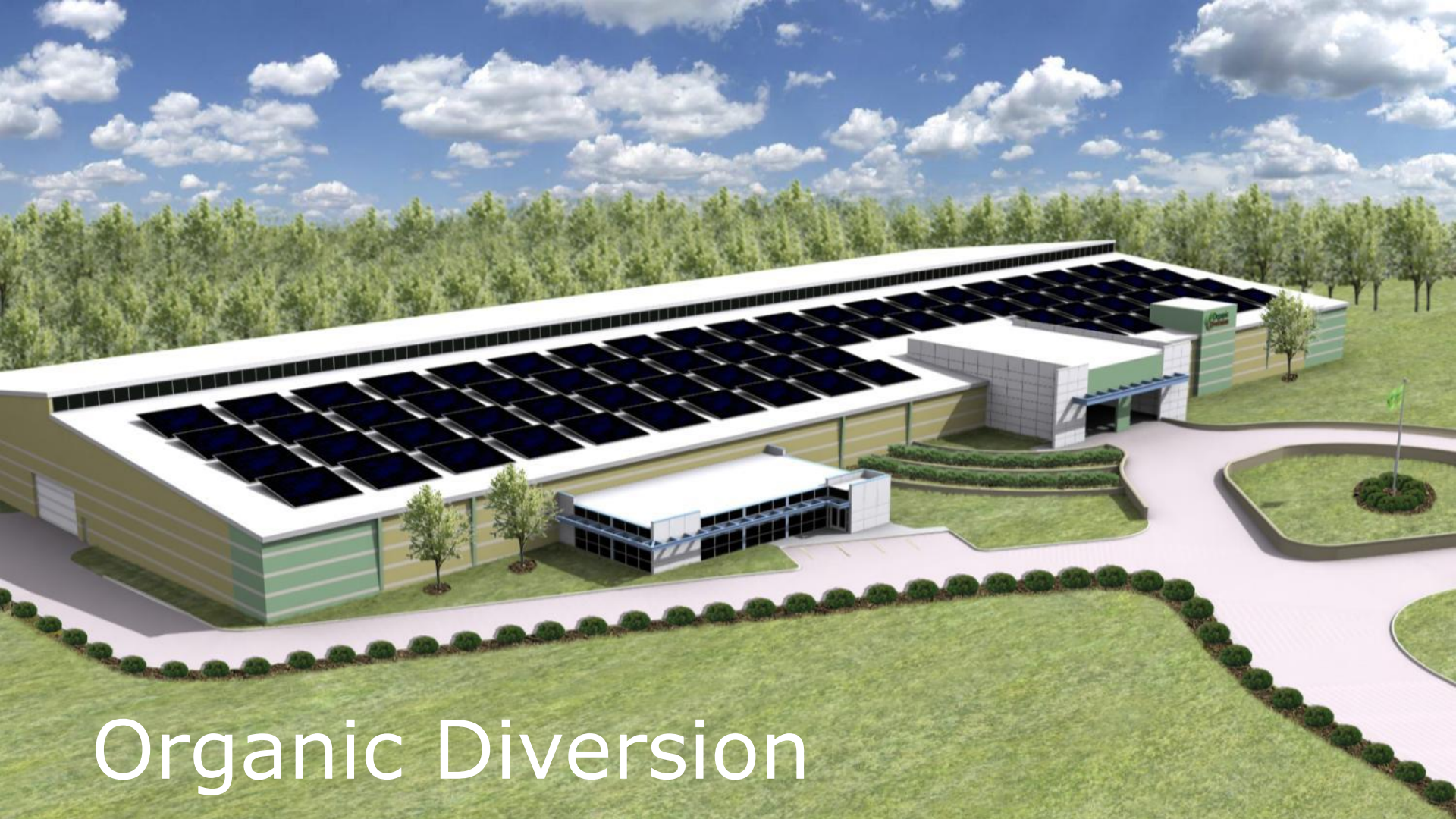
In order that you understand your responsibilities included in the provisions of the permit, attention should be given to the following sections:

1. PART III: This section contains all listings of effluent and groundwater, soil and sludge monitoring.
2. PART ILE: This section contains responsibilities for your facility.
3. PART ILL.3: This section contains responsibilities for to another party.
4. PART ILL.4: This section describes the specific requirements for Preprinted Discharge Monitoring Report (DMR) forms will be provided at a later date by DHEC for reporting monitoring results.
5. PART V: This section contains all the special requirements relative to your permit. Such items in this section include the certified operator required to operate your wastewater treatment plant, the day of the week on which monitoring shall occur, and sludge disposal requirements, as applicable.

Please note the effective date on the permit and see the enclosed South Carolina Board of Health and Environmental Control Guide to Board Review.



McGill-Berkeley



Organic Diversion

BCR



**Focusing
on compost
sales**





Compost

No compost

Sports turf



Redskins training camp







Golf courses

PHOTO: Forsyth Country Club, NC



Landscaping



Before



After – Stafford County Library (VA)

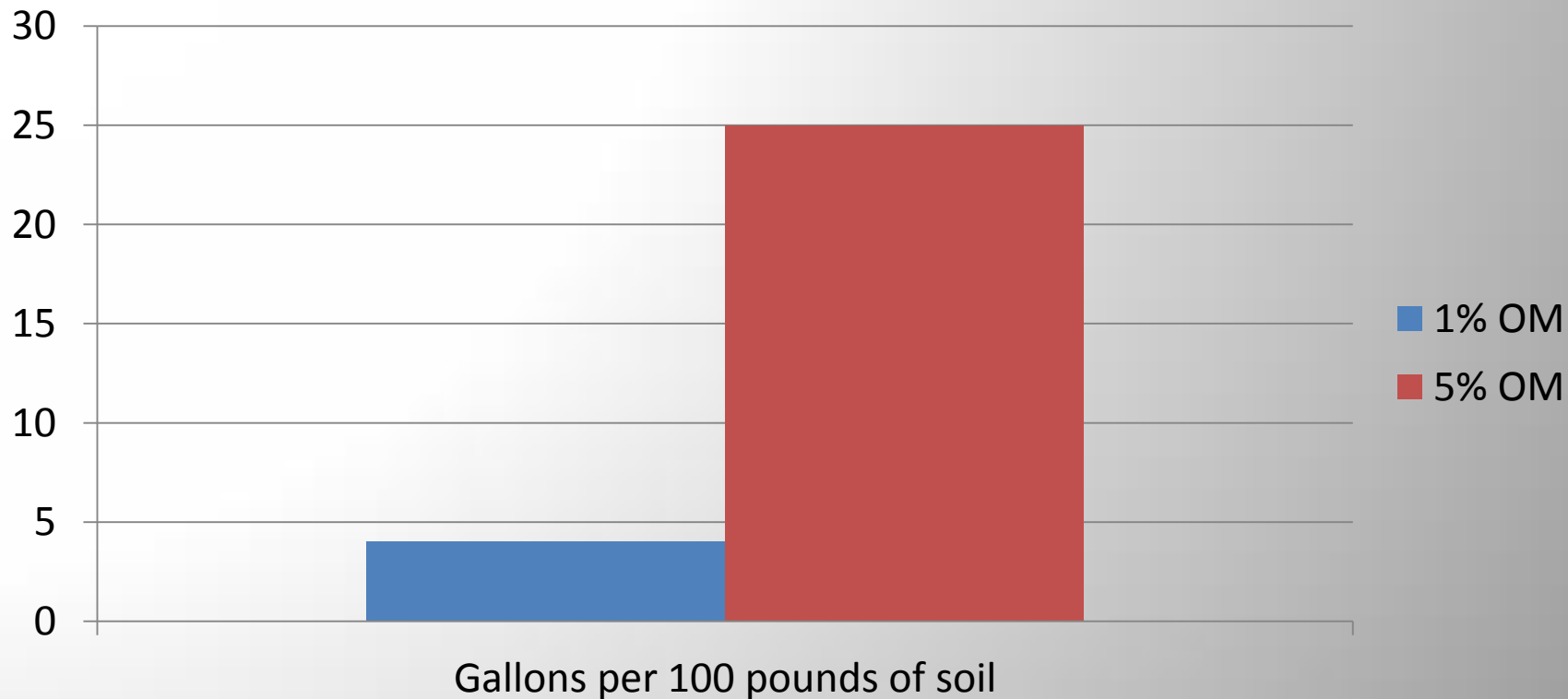


Ft. Lee (VA)



Stormwater

Impact on water-holding capacity



SOURCE: Denver Water

Lowest cost per gallon stored

- 28¢ per gallon of storage for soil amendment
vs. --
 - \$1.59 per gallon for rain gardens
 - \$2.24 per gallon for bioretention ponds
- Cost of municipally-owned systems may be **5 to 10 times** the cost of stormwater removed for a one-inch rain event using compost

Zero runoff from a typical (<1-inch) rain event when soil organic matter is at recommended levels

www.mcgillcompost.com

www.mcgillsoilbuilder.com

thecompostpeople@mcgillcompost.com

919-362-1161 (U.S.)

