

1906Permit2003

Batch No. \_\_\_\_

2003

CHATHAM Co. 1906

15

2003

19062003

**Subject: McGill Environmental**

**Date:** Wed, 31 Dec 2003 10:19:21 -0500

**From:** "Angela Birchett" <angela.birchett@ncmail.net>

**To:** "Mark Poindexter" <mark.poindexter@ncmail.net>

**CC:** <TED.LYON@ncmail.net>, <Dennis.Shackelford@ncmail.net>, <Mark.FRY@ncmail.net>, "Keith Megginson" <keith.megginson@ncmail.net>

Mark,

Hope you had a wonderful Christmas.. Things have been quiet here for the last couple of weeks but it's all started again. As of 11pm last night, 12/30/03, the odors @ McGill were back with a vengeance. I have received calls from the same group of people starting at 11pm last night up until 8am this morning. I conducted a site visit by 8:30am today. The odors were there and began as far away as Donnie Haithcock Rd (approx 1-2 mile radius). I went to the site and spoke with Mr. Steve Cockman. I advised him things had been calm until today. I asked if he could get me information on what types of materials he received in yesterday, what processes did they conduct on site yesterday, and how did they treat material yesterday. He stated they tract this info and would try to have something for me by close of business today.

I am issuing a notice of violation based on the nuisance of odors to adjacent properties. During one of our last conversations, you stated their temporary permit was due to expire after Christmas this year. Mr. Cockman stated his permit is good until May 2004. Could you please advise us when their permit is due to expire and have they applied for their actual permits and if so when will it be issued. These are all conditions placed on their permit with us and if they aren't going to comply we will move forward in possibly shutting them down.

Please contact me if you have any questions or concerns and I will be glad to assist you.

Angela Birchett, CZO  
Zoning Enforcement  
Chatham County Planning Dept  
919-542-8285

19-06

# M&GILL

FAX TRANSMISSION

TODAY'S DATE: 11-28-03  
FAX COVER + 2 PAGES

TO: MARK POINDEXTER

FAX NUMBER: 919-733-4810

FROM: STEVE COCKMAN

<p>_____ CONTACT THE NORTH CAROLINA  <b>EMERGENCY FACILITY</b>          P.O. Box 811          HAYWARD, NC 28544          TEL: 910-488-2888          FAX: 910-488-2888          WWW.M&amp;GILL.COM</p>	<p>_____ CONTACT THE NORTH CAROLINA</p>	<p>_____ CONTACT THE NORTH CAROLINA  <b>DEPUTY CLERK FACILITY</b>          604. CHESAPEAKE STREET          P.O. BOX 141, NC 27808          TEL: 910-488-1141          FAX: 910-488-1141          WWW.M&amp;GILL.COM</p>
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**MESSAGE:**

MARK:

HERE IS A COPY OF A LETTER TO TED LYON  
TO ADDRESS ORDER ISSUES.

I AM ALSO MEETING WITH THE CITIZENS  
GROUP ON DEC 16 TO COMMUNICATE DIRECTLY  
WITH THE NEIGHBORHOOD.

PLEASE LET ME KNOW IF I CAN PROVIDE  
ANY ADDITIONAL INFORMATION

STEVE



834 Christian Chapel Church Rd.  
New Hill, NC 27882  
TEL: 919-332-1161  
FAX: 919-332-1141  
[www.mcgill-environmental.com](http://www.mcgill-environmental.com)

November 24, 2003

Mr. Ted Lyon  
Supervisor  
Composting and Land Application Branch  
Solid Waste Section  
NCDENR – Div. of Waste Management  
1646 Mail Service Center  
Raleigh, NC 27699-1646

Re: Permit No. SWC-19-06

Dear Mr. Lyon:

The purpose of this letter is to update you on the various actions we have taken at our Merry Oaks composting facility in Chatham County to address concerns about off-site odors. These actions taken, or underway, include both structural and non-structural modifications. All of the modifications taken will be described in detail in our operating permit renewal request, which will be submitted to you next Spring.

To date, the following actions are either completed or underway:

Structural Changes

1. We have closed in the primary composting hall to isolate the area from the rest of the plant (Completed).
2. We are in the process of closing in the opening between primary composting and screening/curing area (Underway... to be completed by end of the year)
3. We are in the process of closing in the end wall of the facility between the screening/curing area and the outside (Underway... to be completed by Jan. 31, 2004).
4. We have upgraded the biofilter ducting to increase the air flow to the biofilter, and have increased the media thickness of the biofilter (Completed)
5. We have closed all seven roof fans until we can verify that the Global odor control product is performing to an acceptable level.
6. We have installed variable-frequency drive units on all 20 aeration blowers to allow the fans to run at lower speeds, thus ensuring a continuous supply of oxygen but at lower flow rates so as not to volatilize odorous gases from within the compost pile (Completed). This upgrade may negate the use of the roof fans altogether.

Non-structural Changes (Completed)

1. Recently our feedstock mix has got much richer than is desirable. Upon discovery of this we reduced the volume of high nitrogen feedstocks accepted at the plant. We are putting in place better procedures to prevent this from happening again. These include the development of a sophisticated computer modeling procedure for matching feedstocks to ensure we achieve a mixture Carbon:Nitrogen goal of 20:1, which will reduce the odors associated with low C:N mixes.

McGill Environmental Systems of N.C., Inc.  
P.O. Box 61, Hazrells, NC 28444 ■ TEL: 910-532-2535 ■ FAX: 910-532-2542

2. We have begun accepting inert water treatment plant residuals (alum sludges and ferric hydroxide sludges) to dilute the high volatile solids content of incoming biosolids.
3. We have installed a weather station and computer tracking system so plant personnel can observe prevailing wind directions and speeds. This is used to modify operational procedures so as to avoid potential odor-generating activities during times when low wind speeds and directions may allow odors to migrate off-site.

We believe these various improvements will have a significant effect on the potential for off-site migration of odors from our plant. We remain dedicated to ensuring that our composting operations do not adversely affect our neighbors. If you have any questions, or desire any additional information, please contact either me or Craig Coker, our Chief Engineer.

Very Truly Yours,



M. Noel Lyons  
General Manager

cc: Craig Coker  
Steve Cockman

Mr. Poindexter,

The following is more information being received on McGill Environmental and the odors coming from the plant.

**COMPLAINT CALLS RECEIVED**

Thursday, November 20, 2003

1. 8:16pm – Jessica Lema, 775-2944; Odors really bad around 7:30pm
2. 10:01pm – Jessie King, 363-5011; bad odor
3. 10:20pm – Francis King, 362-0857; bad odors 3 times during the day and really bad

Saturday, November 22, 2003

1. 5:50am – Francis King, 362-0857; odors woke her up around 3:30am and she has been unable to go back to sleep due to the sickening smell. She stated it keeps people awake and irritates various health problems they have.
2. 9:09am – Jessica Lema, 363-2990 or 775-2944; odors really bad around 3:00am. She stated the smell came into her residence as well and was still bad but it didn't seem as bad outside at the time of her call.

Sunday, November 23, 2003

1. 12:25am – unknown caller name, 362-5226; complaint of respiratory problems and odors make it hard for her to breathe. She states that the smell makes people sick to their stomachs.

**MORE EMAIL MESSAGES**

Date: Sun, 23 Nov 2003 15:47:05 EST  
From: [DUCKDOGCROSS@aol.com](mailto:DUCKDOGCROSS@aol.com)  
Subject: Obnoxious Odors in Merry Oaks Area!

I have personally received numerous odor complaints and read many statements of concern on the Chatham Chatlist.

The odors are coming from McGill Composting Facility on Christian Chapel Road. Raw materials used in the process include by-products from chicken processing plants, poultry litter and treated human waste sludge from waste water treatment facilities.

Your concerns need to be directed to:

1. Chatham County conditional land use permit oversight.  
Ms. Angie Birchett 542-8285
2. NC Department of Environment and Natural Resources  
Waste Management Division  
Production/process Permit Oversight  
Mr. Mark Poindexter 733-0692 Ext. 253

CALL BOTH! If calling after hours-leave a message.

The Southeast Chatham Citizens Advisory Council (SCCAC) is presently seeking solutions with the plant manager, Mr. Steve Cockman. This problem can be resolved and your stated concerns will play a major role in assuring it is resolved. IF YOU DON'T HELP-DON'T COMPLAIN!

Sincerely...working for you!  
Mike Cross,  
President of SCCAC

Southeast Chatham Citizens Advisory Council meets at 7:00 P.M., the 3rd. Tuesday of each month at Liberty Chapel Church in Moncure. All residents of the Three Rivers Precinct (includes the Moncure, Merry Oaks, Corinth, Haywood areas) are cordially invited to attend. Next meeting: December 16th.

19-06

# M&GILL

FAX TRANSMISSION

TODAY'S DATE: 10-20-03  
FAX COVER + 2 PAGES

TO: MARK POINDEXTER

FAX NUMBER: 919-733-4810

FROM: STEVE COCKMAN

<p>contact me here today</p> <p>RAILWAY FACILITY P.O. Box 81 Wentz, NC 27844 TEL: 910-888-8888 FAX: 910-888-8842 www.mcgill.com</p>	<p>contact me here today</p>	<p>contact me here today</p> <p>MINIYON CAIR FACILITY 684. Chatham Chapel Road New Hill, NC 27882 TEL: 910-888-1161 FAX: 910-888-1141 www.mcgill.com</p>
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MESSAGE:

MARK :

ATTACHED ARE TONNAGE FIGURES AND DATES FOR BIOSOLIDS

OWASA AND E.M. JOHNSON ARE BOTH WATER PLANT RESIDUALS STARTED AFTER SEPT 30, 2003

PLEASE CALL WITH ANY QUESTIONS

919-362-1141

STEVE COCKMAN



The McGill Regional Composting Facility at Merry Oaks

634 Christian Chapel Church Road  
New Hill, NC 27562  
TEL: 919-362-1161  
FAX: 919-362-1141  
[www.mcgillcompost.com](http://www.mcgillcompost.com)

November 7, 2003

Mr. Ted Lyon, Supervisor  
Composting and Land Application Branch  
DENR Division of Waste Management  
1646 Mail Service Center  
Raleigh, NC 27699

RE: Permit #SWC-19-06 – Quarterly Biosolids Report

Dear Mr. Lyon:

As requested the following is a list of all sources of biosolids derived from the treatment of domestic and industrial wastewater accepted at this facility between July 1, 2003 through September 30, 2003 :

- ① Austin Quality Foods – Cary N. C. ( Industrial )
- ② Cary- Apex Water Treatment Facility – Apex N. C. ( Water Treatment )
- ③ Bayer Corporation – Clayton N. C. ( Industrial )
- ④ Town of Clayton – Clayton N. C. ( Domestic )
- ⑤ Nestle Frozen Foods – Gaffney S. C. ( Industrial )
- ⑥ Townsends Inc. – Pittsboro N. C. ( Industrial )
- ⑦ Dynea Inc. – Moncure N. C. ( Industrial & Domestic )
- ⑧ City of Raleigh WWTP – Raleigh N. C. ( Domestic )
- ⑨ North Cary Water Reclamation Facility – Cary N. C. ( Domestic )
- ⑩ South Cary Water Reclamation Facility Apex N. C. ( Domestic )
- ⑪ Ajinomoto USA, Inc. – Raleigh N.C. ( Industrial )

If you have any questions regarding these feedstocks, do not hesitate to contact me.

Sincerely,

Steve Cockman  
Plant Manager

MERRY OAKS COMPOSTING FACILITY  
 INCOMING FEEDSTOCKS  
 11/10/03 - 11/15/03

Wastestream	10-Nov	11-Nov	12-Nov	13-Nov	14-Nov	15-Nov	Total (lbs)	Totals (tons)
B&B	51000						51000	25.5
Beasley		5290	18980		3760		28030	14.0
(2) Cary-Apex WTP			34460	44200			78660	39.3
(10) Cary-South	54100	48300	37700	51300	55300	46760		
(10) Cary-South	53100			51200		39460		
(10) Cary-South				43320				
Subtotal	107200	48300	37700	145820	55300	86220	480560	240.3
Charles River	14840	16400	15940	16140				
Charles River				13020				
Subtotal	14840	16400	15940	29160	0	0	76360	38.2
Dalway/Chatham-saw		37740	36740	39940			114420	57.2
E.M. Johnson			48300	41300	51300		140900	70.5
(5) Gaffney	32280	45560	40840	40640	49560	43100		
(5) Gaffney		48400	49540	42820	40800			
Subtotal	32280	93960	90380	83460	90360	43100	483560	216.8
KR Shead - sawdust		44300	35860				80160	40.1
LP (Ezell) - sawdust	39560				40560		80120	40.1
NC State Vet School		12040			7560		19600	9.8
OWASA					34100		34100	17.1
(10) Raleigh biosolids	48430	53350	50600	53600	49350	51000		
(10) Raleigh biosolids	54050	53100	50500		53300	49500		
(10) Raleigh biosolids	50710	48500	48600		50300			
(10) Raleigh biosolids								
Subtotal	153190	154950	149700	53600	152950	100500	764890	382.4
Stephenson - sawdust					34800		34800	17.4
(6) Townsends				45880			45880	22.9
Grand Total (lbs)	398070	412980	468060	483360	470690	229820	2462980	1231.5
Total (tons)	199.035	206.49	234.03	241.68	235.345	114.91	1231.5	

MERRY OAKS COMPOSTING FACILITY  
INCOMING FEEDSTOCKS  
11/03/03 - 11/08/03

Wastestream	3-Nov	4-Nov	5-Nov	6-Nov	7-Nov	8-Nov	Total (lbs)	Totals (tons)
① AQF biosolids			46120				46120	23.06
Beasley	15400		4360	26300	22560			
Beasley	26920		27720					
Beasley	4240							
Subtotal	46560	0	32080	26300	22560	0	127500	63.8
② Cary-Apex WTP		47080		42620		40480		
② Cary-Apex WTP		48240						
Subtotal	39400	95300	0	42620	0	40480	217800	108.9
⑩ Cary-South	40820	53360	54520	55320	41080	47420		
⑩ Cary-South	47460	50200	49620	53200	54800	45320		
⑩ Cary-South						38240		
Subtotal	88280	103560	104140	108520	95880	130980	631360	315.7
Charles River	12680		17540	13340	12000			
Charles River	16640		13900					
Subtotal	29320	0	31340	13340	12000	0	86000	43.0
Chatham - sawdust			39740				39740	19.9
⑤ Gaffney	47360	45420	43540	42280	41300	49540		
⑤ Gaffney		47560	41740	30700	32220			
Subtotal	47360	92980	85280	72980	73520	49540	421860	210.8
KR Snead - sawdust		40280	37040	32660				
KR Snead - sawdust		38920						
Subtotal		79200	37040	32660	0	0	148900	74.5
LP (Ezell) - sawdust				46720	45340	41880	133940	67.0
NC State Vet School		10040			8540		18580	9.3
OWASA			41820	37080			78900	39.5
Raleigh biosolids	51000	51000	51000	51000	53350			
Raleigh biosolids	51000	45350	48200	43400	52300			
Raleigh biosolids	45700	44400	50600	51620	52350			
Raleigh biosolids	49800	51000	50400		47750			
Raleigh biosolids		51000	47600		52000			
Raleigh biosolids					50400			
Subtotal	197500	242750	247800	146020	308150	0	1142220	571.1
Stephenson - sawdust					33220		33220	16.6
⑥ Townsends	0	0	0	47580	43600	0	91380	45.7
Grand Total (lbs)	448420	623830	665360	573820	643010	282860	3217320	1608.7
Total (tons)	224.21	311.915	332.68	286.91	321.505	131.44	1608.7	

MERRY OAKS COMPOSTING FACILITY  
INCOMING FEEDSTOCKS

10/27/03 - 11/01/03

Wastestream	27-Oct	28-Oct	29-Oct	30-Oct	31-Oct	1-Nov	Totals (lbs)	Totals (tons)
Beasley	4640				5100			
Beasley	15300							
Subtotal	19940	0	0	0	5100	0	25040	12.6
② Cary-Apex WTP			47380					
② Cary-Apex WTP			42820					
Subtotal	44640	45830	90200	0	0	0	180670	90.3
⑩ Cary-South WTP				44900	44460	37520		
Cary-South WTP	56220	45300		51400	44580	54700		
Cary-South WTP	50920	48100		57480				
Subtotal	107140	93400	0	153780	89040	92220	535580	267.8
Charles River	11940		13040		10300			
Charles River	16040		16940					
Subtotal	27980	0	29980	0	10300	0	68260	34.1
Chatham - sawdust				37260				
Chatham - sawdust				40420				
Subtotal	0	0	0	77680	0	0	77680	38.8
⑤ Gaffney	38540	46580	28400	44820	43560	46080		
Gaffney		36840	39860	44280	45780	46920		
Subtotal	38540	83420	68260	89100	89340	93000	461660	230.8
KR Snead - sawdust		41380	38840	44740			124960	62.4
NC State Vet School		5400			8520		13920	7.0
OWASA	41940			45100			87040	43.5
Raleigh biosolids	47700	50750	45550	51000	50700	50990		
Raleigh biosolids	50050		45470	48300	51000	51000		
Raleigh biosolids	49900		41550	48350	51000	51000		
Raleigh biosolids	47250				51000	46620		
Raleigh biosolids						57270		
Subtotal	194900	50750	132570	147650	203700	256880	986450	493.2
Stephenson- sawdust					38260		38260	19.1
⑥ Townsends		45820		52960			98780	49.4
leyerhaeuser - wood					22540			
leyerhaeuser - wood					22740			
leyerhaeuser - wood					21780			
leyerhaeuser - wood					23780			
leyerhaeuser - wood					24520			
Subtotal	0	0	0	0	115360	0	115360	57.7
<b>Grand Total (lbs)</b>	<b>475060</b>	<b>467820</b>	<b>359650</b>	<b>611010</b>	<b>559620</b>	<b>442100</b>	<b>2915280</b>	<b>1457.6</b>
<b>Total (tons)</b>	<b>237.54</b>	<b>233.91</b>	<b>179.825</b>	<b>305.505</b>	<b>279.81</b>	<b>221.05</b>	<b>1457.6</b>	

MERRY OAKS COMPOSTING FACILITY  
INCOMING FEEDSTOCKS

10/20/03 - 10/25/03

Wastestream	20-Oct	21-Oct	22-Oct	23-Oct	24-Oct	25-Oct	Total (lbs)	Totals (tons)
① AQF biosolids			45600				45600	2.28
B&B Companies				52840				
B&B Companies		57520	45440	42140				
B&B Companies		43300	50000	49640				
Subtotal		100820	95440	144620	0	0	340880	170.44
Beasley	21780	4540		4500	18620			
Beasley	24080							
Subtotal	45840	4540	0	4500	18620	0	73500	36.8
② Cary-Apex WTP		32840	29300		53300			
Cary-Apex WTP			39180					
Subtotal	0	32840	68480	0	53300	0	154620	77.3
Cary-South WTP	55480	47980	57080	45660	48320	45420		
Cary-South WTP	55320	55220		45700	45580	46880		
Cary-South WTP	37780							
Subtotal	148580	103200	57080	91360	91900	92100	584220	292.1
Charles River	15040	14340		13240	14300			
Charles River		15440						
Subtotal	15040	29780	0	13240	14300	0	72360	36.2
Chatham - sawdust	44080						44080	22.0
③ Gaffney	41080	43480	44460	43820	43200	41980		
Gaffney		46000	45920	46740	41680	44980		
Subtotal	41080	89480	90380	90560	84880	86940	483320	241.7
KR Snead - sawdust		40920	38380	37760	34900		151960	76.0
NC State Vet School		6560			6720		13280	6.6
OWASA	44540	50200			35920		130660	65.3
Raleigh biosolids	43580	44950	45950	48000	44320	50850		
Raleigh biosolids	45450	47430	47090	46900	44600	49360		
Raleigh biosolids	51100	45330	47300	46080	44830			
Raleigh biosolids	46200							
Raleigh biosolids	44150							
Raleigh biosolids	46650							
Raleigh biosolids	51180							
Subtotal	328310	137710	140340	140980	133750	100210	981300	490.7
Stephenson -sawdust		35400			32500		67900	34.0
Townsend			46460		47020		93480	46.8
Grand Total (lbs)	667470	631450	582180	523020	553810	279250	3237180	1618.6
Total (tons)	333.735	316.725	291.09	261.51	276.905	139.625	1618.6	

MERRY OAKS COMPOSTING FACILITY  
INCOMING FEEDSTOCKS  
10/20/03 - 10/25/03

Wastestream	20-Oct	21-Oct	22-Oct	23-Oct	24-Oct	25-Oct	Total (lbs)	Totals (tons)
① AQF biosolids			45600				45600	2.28
B&B Companies				52840				
B&B Companies		57520	45440	42140				
B&B Companies		43300	50000	49640				
Subtotal		100820	95440	144620	0	0	340880	170.44
Beasley	21780	4540		4500	18620			
Beasley	24080							
Subtotal	45840	4540	0	4500	18620	0	73500	36.8
② Cary-Apex WTP		32840	29300		53300			
Cary-Apex WTP			39180					
Subtotal	0	32840	68480	0	53300	0	154620	77.3
⑩ Cary-South WTP	55480	47980	57080	45680	46320	45420		
Cary-South WTP	55320	55220		45700	45580	46680		
Cary-South WTP	37780							
Subtotal	148580	103200	57080	91360	91900	92100	584220	292.1
Charles River	15040	14340		13240	14300			
Charles River		15440						
Subtotal	15040	29780	0	13240	14300	0	72360	36.2
LP Chatham - sawdust	44080						44080	22.0
⑤ Gaffney	41080	43480	44480	43820	43200	41980		
Gaffney		46000	45920	46740	41680	44980		
Subtotal	41080	89480	90380	90560	84880	86940	483320	241.7
KR Snead - sawdust		40920	38380	37780	34900		151980	76.0
NC State Vet School		6560			6720		13280	6.6
OWASA	44540	50200			35920		130660	65.3
Raleigh biosolids	43580	44950	45950	48000	44320	50850		
Raleigh biosolids	45450	47430	47090	46900	44600	49360		
Raleigh biosolids	51100	45330	47300	48080	44830			
Raleigh biosolids	46200							
Raleigh biosolids	44150							
Raleigh biosolids	46650							
Raleigh biosolids	51180							
Subtotal	326310	137710	140340	140980	133750	100210	981300	490.7
Stephenson -sawdust		35400			32500		67900	34.0
Townsend			46480		47020		93500	46.8
Grand Total (lbs)	667470	631450	582180	523020	553810	279250	3237180	1618.6
Total (tons)	333.735	315.725	291.09	261.51	276.905	139.625	1618.6	

MERRY OAKS COMPOSTING FACILITY  
 INCOMING FEEDSTOCKS  
 10/13/03 - 10/18/03

Waste stream	13-Oct	14-Oct	15-Oct	16-Oct	17-Oct	18-Oct	Total (lbs)	Totals (tons)
Beasley		27280	29440			4920		
Beasley		4260						
Subtotal	0	31540	29440	0	0	4920	65900 ✓	33.0
Brown's - sawdust		43360	40980	42160	37480		163980 ✓	82.0
② Cary-Apex WTP		36940	32320	38040	41940		149240 ✓	74.8
⑩ Cary-South	49100	44600	55500	49180	51300	52540		
Cary-South				48480	49780			
Subtotal	49100	44600	55500	97660	101080	52540	400460 ✓	200.2
Charles River		15020	16420		15340			
Charles River		16520			13940			
Subtotal	0	31540	16420	0	29280	0	77240 ✓	38.8
Chatham - sawdust			37040	40480	34340		111860 ✓	55.9
⑤ Gaffney	41560	45800	45820	41200	45920	39040		
Gaffney	45220	46320		42760	45940	41860		
Subtotal	86780	92120	45820	83960	91860	80900	481400 ✓	240.7
KR Sneed - sawdust		34220	36140		38980		109340 ✓	54.7
Mat. Rec - sheetrock		40440					40440 ✓	20.2
NCStateVetSchool		8520			5320		13840 ✓	6.9
OWASA	41500			47520			89020 ✓	44.5
Raleigh biosolids	50950	44100	47350	48450	46750	48170		
Raleigh biosolids	55800	41700	43700	40750	45300	46280		
⑧ Raleigh biosolids	40750	45200	42740	43800	44300			
Raleigh biosolids	48700	48050	44500	45700	47250			
Raleigh biosolids	46280		43000	45800	44710			
Raleigh biosolids	43250							
Raleigh biosolids	62230							
Subtotal	335960	179050	221290	224500	228310	94450	1283560 ✓	641.8
Stephenson - sawdust		36820					36820 ✓	18.4
⑥ Townsends	0	0	40440	0	43600	0	84040 ✓	42.0
Weyerhaeuser - wood	25360							
Weyerhaeuser - wood	24960							
Weyerhaeuser - wood	21840							
Weyerhaeuser - wood	23000							
Subtotal	95160	0	0	0	0	0	95160 ✓	47.6
Grand Total (lbs)	809500	579150	556390	574320	662170	232810	3202300	1601.2
Total (tons)	304.25	289.575	277.895	287.16	328.085	116.405	1601.2	

MERRY OAKS COMPOSTING FACILITY  
 INCOMING FEEDSTOCKS  
 10/06/03 - 10/11/03

Wastestream	6-Oct	7-Oct	8-Oct	9-Oct	10-Oct	11-Oct	Totals (lbs)	Totals (tons)
① AQF biosolids			47580				47580 ✓	23.79
Beasley	4760		5540				10300 ✓	5.2
Brown's - sawdust		38800	33160	39100	40940		150000 ✓	76.0
② Cary-Apex WTP		42980	33440	41040	38280			
Cary-Apex WTP		41620						
Subtotal	0	84600	33440	41040	38280	0	196960 ✓	98.7
Charles River		15290	12940	15980	13920			
Charles River		14140						
Subtotal	0	29430	12940	15980	13920	0	72270 ✓	36.1
③ Gaffney	46540	42420	46660	46500	44320	47780		
Gaffney	45580	35240		46920	42840	37280		
Subtotal	92120	77660	46660	93420	87160	85060	480080 ✓	241.0
KR Snead - sawdust		31320	39240	39440			110000 ✓	55.0
NC State Vet School		12960			10560		23520 ✓	11.8
OWASA			43360			49640	93000 ✓	46.5
PERGO - wood		39060					39060 ✓	19.5
Raleigh biosolids	49770	50950	49550	49450	43300	45850		
Raleigh biosolids	48450	47400	49200	45250	45800	57750		
⑧ Raleigh biosolids	47200	43350	43900	41150	46400	50350		
Raleigh biosolids	44980	51000		46370	44750	50940		
Raleigh biosolids		45470		46500	51650			
Raleigh biosolids		47000		40700				
				43800				
				50740				
Subtotal	190400	285170	142650	383960	231900	204890	1410070 ✓	709.5
Sheetrock		36860	38040	41220	32660			
Sheetrock		34760	33860	46120	39800			
Subtotal	0	71620	71900	87340	72460	0	302920 ✓	151.7
⑩ South Cary WTP		48120			55240			
South Cary WTP					51720			
Subtotal		48120	0		106960		155080 ✓	77.5
Stephenson - sawdust			34160				34160 ✓	17.1
⑥ Townsends					46180		46180 ✓	23.1
Grand Total (lbs)	287280	718740	510650	680280	648360	339590	3184000	1592.5
Total (tons)	143.64	359.37	255.325	340.14	324.18	169.795	1592.5	

Merry Oaks Composting Facility  
Incoming Feedstocks  
9/29/03 - 10/04/03

Wastestream	29-Sep	30-Sep	1-Oct	2-Oct	3-Oct	4-Oct	Totals (lbs)	Totals (tons)
Beasley			27760	27200				
Beasley			4680					
Subtotal	0	0	32440	27200	0	0	59640	29.8
Brown's - sawdust	43660		42440	45340	37000		168440	84.2
② Cary-Apex WTP	40180	36880	36940	42280	40000		196280	98.1
Charles River	15020	14140	15240		15840			
Charles River			16640		16640			
Subtotal	15020	14140	31880	0	32480	0	93520	46.8
⑤ Gaffney	43780	47320	47220	44820	45900	46400		
Gaffney		44040	39680	44100	46880			
Subtotal	43780	91360	86900	88920	92780	46400	450140	225.1
KR Sneed - sawdust	32640	36100	30420	42720	39520		181400	90.7
Mat. Rec. - sheetrock		36700					36700	18.4
NC State Vet School		8360			6100		14460	7.2
OWASA		43040			46080	40540	129660	64.8
Raleigh biosolids	59850	48750	50100	43050	47080	49500		
Raleigh biosolids	48100	51080	47350	50300	46800	45550		
⑧ Raleigh biosolids	52550	50600	50600	46750	53900	54210		
Raleigh biosolids	54210	51750	48720	48350	49150	43000		
Raleigh biosolids	50290	52300	48400	46000				
Raleigh biosolids			53210					
Raleigh biosolids			50890					
Subtotal	283000	254490	349070	234450	198930	192260	1490200	746.1
Stephenson - sawdust			34080		35300		69380	34.7
Wake Cty - sheetrock						26460	26460	13.2
⑥ Townsends				37160			37160	18.6
Grand Total (lbs)	438280	521070	644170	518070	526190	305660	2853440	1476.7
Total (tons)	219.14	260.535	322.085	259.035	263.095	152.83	1476.7	

19-06

## Dates and Times Complaints Received

### Ref: McGill Environmental

October 16, 2003- First complaint received by Ida Donaldson, 776-6152. Strong odor in the area of McGill around 8am, was better by 9:50am

October 17, 2003 - Second complaint by Ida Donaldson, 776-6152. Strong odor in the area around 9:30am

November 3, 2003 - Third complaint from Lena Stone, 362-5226. Odors are appearing at night now. She stated she had spoken with residents along Old US 1/Christian Chapel Rd area, and several were complaining of being sick to their stomachs, headaches, etc. She also stated she asked everyone if they spoke with the state representatives when they were there during the last complaint and no one said they talked to anybody from the state. She also believes there are illegal materials being brought in and dumped on the property as well. There is no proof to support these allegations.

November 6, 2003 - Fourth complaint from Jessica Lema, 775-2944. Odors are worse between 8pm and 12am and then again around 9am.

## Emails Referencing Odors In Area

Date: Sun, 16 Nov 2003 07:31:50 -0800 (PST)  
From: mrpaslow <[misterpaslow@yahoo.com](mailto:misterpaslow@yahoo.com)>  
Subject: Fwd: Chatham Chatlist #1653

I wonder if people in the area are aware that property values are falling because of the plant odors, if that's what they are. The reason I was in the area in the first place was because I couldn't believe a nice single-wide mobile home on 10 wooded acres was only \$70,000. Now I know why.

-Dan

Date: Sun, 16 Nov 2003 12:57:22 -0500  
From: "Efrain A. Ramirez Jr." <[ramuser@earthlink.net](mailto:ramuser@earthlink.net)>  
Subject: PS on the stink @ Merry Oaks & points south

Not only is the smell bad & unhealthy; also consider what it is doing in polluting the water & the land. As the Haw River Assembly points out, what comes out of those plant stacks is not just smell, it is also tons

upon tons of solids that eventually come back down into the water & soil. We then drink this water, which has been cleansed somewhat of microbial materials, but which still contains particles of chemicals, many of which are poisonous to humans & animals. So all this trash that is pouring out is also getting into our drinking water & our food supply. We ingest it by breathing, by drinking & by eating. And yet, some in our government want to increase what is coming out of factories by reducing supervision & controls..... Efrain A. Ramirez

Date: Thu, 13 Nov 2003 22:32:36 -0800

From: Steve <[ids@ctc.net](mailto:ids@ctc.net)>

Subject: Bad Smell in Moncure

Hi Dan, Anne, Angela & Karen,

2. Also wondering about bad smell near Moncure  
by: mrpaslow <[misterpaslow@yahoo.com](mailto:misterpaslow@yahoo.com)>
3. Smelly Air in Merry Oaks  
by: Angela Partin <[apartin@kirby-holt.com](mailto:apartin@kirby-holt.com)>
4. Bad smells  
by: Tiede, Karen E <[karen.tiede@eds.com](mailto:karen.tiede@eds.com)>

You might want to try contacting the NC North Carolina Division of Health Services. Judy Hogan and I have contacted the NC state health department on several occasions since the plants in the area are trying to get permits to increase the amount of pollution, there have been public hearings on the matter. Judy and I have been trying to contact them, along with Chatham's County Commissioners, but unfortunately, unless there is enough public pressure, I don't think anything will happen. I haven't heard back from them, or our county commissioners for over a month now, and I agree with you, the smell is horrible - and I can't believe something that smells that bad could be healthy.

You can try contacting any of the following below - and see

Good Luck  
Steve

Date: Fri, 14 Nov 2003 17:38:07 -0500

From: "Judy Hogan" <[judyhogan@mindspring.com](mailto:judyhogan@mindspring.com)>

Subject: Bad odors in Moncure area

Dear folks,

We have 8 industries located along Pea Ridge and Corinth Roads, not far from Moncure and Merry Oaks. At a recent (Oct 14) hearing on Sierra Pine's

permit renewal held by the NC Division of Air Quality, several other people mentioned smelling bad odors along old #1, near the Deep River, and also on Corinth Rd south of Sierra Pine, which in 1999 put out more formaldehyde (definitely something you can smell) than any other plant in the country--not good for your health--causes breathing problems and possibly cancer. In 2000 it was 2nd. It may be 5th now. The DAQ is working with them, and in 2004 they have to start putting in new equipment, but that can take 3 years or more. Also there are many other hazardous air releases from these plants. Honeywell (formerly Allied Chemical) puts out several, ethylene glycol (like antifreeze) is one, but I don't believe it has an odor. We have hydrogen chloride coming from several (smells like chlorox), the most from Cape Fear coal-burning plant of Progress Energy, responsible for the greatest number of pounds of chemicals. The brick companies also put out toxic chemicals. It seems difficult to bring about change here. You could write to Laura Butler, Chief of Permits [LauraButler@ncmail.net](mailto:LauraButler@ncmail.net) and to Charles McEachern, an inspector, who says they will come out to check on odors [Charles.McEachern@ncmail.net](mailto:Charles.McEachern@ncmail.net). We have now had 3 student reports (1 UNC-CH, 2 NCSU), who make it clear that these factories in combination are polluting far too much. Changing the situation is possible but challenging. You can help! I really doubt that the odor is coming from dead deer.

Judy Hogan 545-9932

Date: Sat, 15 Nov 2003 09:28:25 -0500  
From: "Christina Fisher" <[adlibpub@bellsouth.net](mailto:adlibpub@bellsouth.net)>  
Subject: RE: Chatham Chatlist #1651

I awakened this morning in New Hill/Bonsal area to that smell everyone is talking about. I'm 3 miles from Merry Oaks. It is quite pungent. Where is our local environmental watchdog, Judy Hogan, when we need her?

Judy are you out there?

Christina Fisher  
[christinafisher@bellsouth.net](mailto:christinafisher@bellsouth.net)  
919-656-9933 (c)

Date: Tue, 11 Nov 2003 20:34:06 EST  
> From: [Acschaedl@aol.com](mailto:Acschaedl@aol.com)  
> Subject: Smelly air in Merry Oaks  
>  
> Hi - I live near Merry Oaks (intersection of old US1  
> and New Elam Church Rd)  
> and I've noticed a really nasty smell in the air the  
> last several times I've

> driven through there. Does anyone out there know  
> what this awful smell could  
> be?  
>  
> Would appreciate knowing.  
> Thanks,  
> Anne

Date: Thu, 13 Nov 2003 08:35:13 -0500  
From: Angela Partin <[apartin@kirby-holt.com](mailto:apartin@kirby-holt.com)>  
Subject: Smelly Air in Merry Oaks

I also live in the Merry Oaks area (Partian Road) and have been told the bad smell is coming from "the mulch plant". I'm assuming that's the mulch plant located on the other side of the brick plant, between US #1 and Christian Chapel Road. The smell is really bad sometimes. I wish there was something we could do about it.

Angela Partin

Date: Thu, 13 Nov 2003 08:52:29 -0500  
From: "Tiede, Karen E" <[karen.tiede@eds.com](mailto:karen.tiede@eds.com)>  
Subject: Bad smells

Bad smells like, formaldehyde?? Resin something?? Rotting wood from the mulch piles at the mill? Burnt bricks? Or maybe biological, from the MANY dead deer along US1 that haven't been picked up recently? LOTS of variables in the Merry Oaks area.



The McGill Regional Composting Facility at Merry Oaks

634 Christian Chapel Church Road  
New Hill, NC 27562  
TEL: 919-362-1161  
FAX: 919-362-1141  
[www.mcgillcompost.com](http://www.mcgillcompost.com)

November 7, 2003

Mr. Ted Lyon, Supervisor  
Composting and Land Application Branch  
DENR Division of Waste Management  
1646 Mail Service Center  
Raleigh, NC 27699

RE: Permit #SWC-19-06 – Quarterly Biosolids Report

Dear Mr. Lyon:

As requested the following is a list of all sources of biosolids derived from the treatment of domestic and industrial wastewater accepted at this facility between July 1, 2003 through September 30, 2003 :

Austin Quality Foods – Cary N. C. ( Industrial )  
Cary- Apex Water Treatment Facility – Apex N. C. ( Water Treatment )  
Bayer Corporation – Clayton N. C. ( Industrial )  
Town of Clayton – Clayton N. C. ( Domestic )  
Nestle Frozen Foods – Gaffney S. C. ( Industrial )  
Townsend's Inc. – Pittsboro N. C. ( Industrial )  
Dynea Inc. – Moncure N. C. ( Industrial & Domestic )  
City of Raleigh WWTP – Raleigh N. C. ( Domestic )  
North Cary Water Reclamation Facility – Cary N. C. ( Domestic )  
South Cary Water Reclamation Facility Apex N. C. ( Domestic )  
Ajinomoto USA, Inc. – Raleigh N.C. ( Industrial )

If you have any questions regarding these feedstocks, do not hesitate to contact me.

Sincerely,

  
Steve Cockman  
Plant Manager



Manufacturer of **Leprechaun** brand composts, topsoils, and soil amendments

McGill Regional Composting Facility at Merry Oaks  
C:N Ratios

