Wilson, Donna

From: Steve Cockman [scockman@mcgillcompost.com]
Sent: Thursday, July 05, 2012 3:18 PM
To: Wilson, Donna
Cc: Noel Lyons; Gallagher, Tony; Patrone, John
Subject: New Feedstock approval
Attachments: Sunriver.pdf

Donna,

Sunriver Services Corporation in Wilson North Carolina manufactures feed and feed ingredients for the animal and fowl industries. They produce approximately 2000 wet tons of residuals per year that we would like to compost at our Merry Oaks Facility (SWC 19-06), these residuals meet our pre-acceptance guidelines and capacity of the plant. I have attached the analyticals and permit for your review, please let me know if you need any additional information prior to your approval and our acceptance of this material.

Thank you,

Steve

Steve Cockman
Operations Manager
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WILSON
NORTH CAROLINA

SEWER DISCHARGE PERMIT #2009-020

For the discharge of sewage and/or industrial wastes by connection with the Sanitary Sewerage System of the City of Wilson.

In accordance with the provisions of the City of Wilson Sewer Use Ordinance adopted April 28, 1983 or as amended, and the North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission, and the City of Wilson,

Sun River Services Corporation

is hereby authorized to discharge wastewater from a facility located at,

2018 Beeler Road
Wilson, North Carolina

into the Sanitary Sewers of the City of Wilson, North Carolina, in accordance with the application dated September 4, 2009 and in conformity with the effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, and III hereof.

This modified permit shall become effective at midnight on the 15th day of November, 2011.

This permit and the authorization to discharge shall expire at midnight on the 31st day of October, 2014

Signed this the 2nd day of November, 20 11.

Assistant Director of Public Services/Water Resources

Water Reclamation Manager

CITY OF WILSON
INCORPORATED 1849

WATER RECLAMATION FACILITY | P.O. BOX 10 | WILSON, NORTH CAROLINA 27894-0010 | (252) 399-2491 | (252) 399-2209

Sun River Services Corporation

is hereby authorized to:

1. Continue operation of the pretreatment facility consisting of screening, flow equalization, flocculant tubes with polymer and coagulant feed, pH neutralization, and dissolved air flotation located at **2018 Beeler Road in Wilson, North Carolina.** (See Part III, Section C – Construction, of this permit).

2. After receiving authorization to construct from the City of Wilson and/or the North Carolina Division of Water Quality, construct and operate additional pretreatment units as needed to meet final effluent limitations, and

3. Discharge from said treatment works into the City of Wilson Wastewater Treatment Plant, NPDES NC0023906

Sun River

Analytical review

TCLP PARAMETER	COMPLIANCE LIMIT	FEEDSTOCK	COMMENT OR OBSERVATION
Arsenic	5.0 mg/L	<0.50	
Barium	100 mg/L	<10	
Benzene	0.5 mg/L	<0.0020	
Cadmium	1.0 mg/L	<0.050	
Carbon tetrachloride	0.5 mg/L	<0.010	
Chlordane	0.03 mg/L	<0.0020	
Chlorobenzene	100.0 mg/L	<0.0020	
Chloroform	6.0 mg/L	<0.0022	
Chromium	5.0 mg/L	<0.10	
o-Cresol	200.0 mg/L	<0.022	
m-Cresol	200.0 mg/L	1.03	
p-Cresol	200.0 mg/L	1.03	
Cresol	200.0 mg/L	1.03	
2,4-D	10.0 mg/L	<0.025	
1,4-Dichlorobenzene	7.5 mg/L	<0.040	
1,2 Dichloroethane	0.5 mg/L	<0.0020	
1,1-Dichloroethylene	0.7 mg/L	<0.0023	
2,4-Dinitrotolluene	0.13 mg/L	<0.020	
Endrin	0.02 mg/L	<0.00010	
Heptachlor (and its hydroxide)	0.008 mg/L	<0.000050 <0.000050	
Hexachlorobenzene	0.13 mg/L	<0.022	
Hexachloro-1,3-butadiene	0.5 mg/L	<0.040	
Hexachloroethane	3.0 mg/L	<0.040	
Lead	5.0 mg/L	<0.50	
Lindane	0.4 mg/L	<0.000050	
Mercury	0.2 mg/L	<0.010	
Methoxychlor	10.0 mg/L	<0.00020	
Methyl ethyl ketone	200.0 mg/L	<0.020	
Nitrobenzene	2.0 mg/L	<0.024	
Pentachlorophenol	100.0 mg/L	<0.22	
Pyridine	5.0 mg/L	<0.064	
Selenium	1.0 mg/L	<0.50	
Silver	5.0 mg/L	<0.10	
Tetrachloroethylene	0.7 mg/L	<0.0025	
Toxaphene	0.5 mg/L	<0.010	
Trichloroethylene	0.5 mg/L	<0.0026	
2,4,5-Trichlorophenol	400.0 mg/L	<0.020	
2,4,6-Trichlorophenol	2.0 mg/L	<0.020	
2,4,5-TP (Silvex)	1.0 mg/L	<0.0036	
Vinyl Chloride	0.2 mg/L	<0.0022	

Sun River

TOTAL METALS PARAMETER	POLLUTANT CONCENTRATION ("Clean"Biosolids) (mg/kg)	FEEDSTOCK	COMMENT OR OBSERVATION
Arsenic	41	< 3.3	
Cadmium	39	< 1.3	
Chromium	1,200	NA	
Copper	1,500	62.9	
Lead	300	< 6.6	
Mercury	17	< 0.81	
Molybdenum	18	< 17	
Nickel	420	< 13	
Selenium	36	< 6.6	
Zinc	2,800	408	
Corresponding Part 503.13 Table	3		
OTHER PARAMETERS			
Corrosivity		6.5 pH	
Ignitability		>200°F	
Reactivity	Sulfide	<500	
	Cyanide	<15	

*Bagged biosolids. Table 4, Section 503.13

Additional comments/observations:

Signature of Evaluator _____ Date 7-5-12

NOTE: Attach copies of laboratory analyses used for evaluation

Accutest Laboratories

Report of Analysis

Client Sample ID:	SUN RIVER		
Lab Sample ID:	F93913-1A	Date Sampled:	06/08/12
Matrix:	SO - Soil	Date Received:	06/09/12
		Percent Solids:	10.1
Project:	Sun River; Wilson, NC		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	<0.50	D004	5.0	0.50	mg/l	1	06/15/12	06/15/12	LM	SW846 6010C [1]	SW846 3010A [4]
Barium	<10	D005	100	10	mg/l	1	06/15/12	06/15/12	LM	SW846 6010C [1]	SW846 3010A [4]
Cadmium	<0.050	D006	1.0	0.050	mg/l	1	06/15/12	06/15/12	LM	SW846 6010C [1]	SW846 3010A [4]
Chromium	<0.10	D007	5.0	0.10	mg/l	1	06/15/12	06/15/12	LM	SW846 6010C [1]	SW846 3010A [4]
Lead	<0.50	D008	5.0	0.50	mg/l	1	06/15/12	06/15/12	LM	SW846 6010C [1]	SW846 3010A [4]
Mercury	<0.010	D009	0.20	0.010	mg/l	1	06/15/12	06/15/12	JL	SW846 7470A [2]	SW846 7470A [3]
Selenium	<0.50	D010	1.0	0.50	mg/l	1	06/15/12	06/15/12	LM	SW846 6010C [1]	SW846 3010A [4]
Silver	<0.10	D011	5.0	0.10	mg/l	1	06/15/12	06/15/12	LM	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA9874
(2) Instrument QC Batch: MA9875
(3) Prep QC Batch: MP23026
(4) Prep QC Batch: MP23028

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

Accutest Laboratories

Report of Analysis

Client Sample ID:	SUN RIVER		
Lab Sample ID:	F93913-1A	Date Sampled:	06/08/12
Matrix:	SO - Soil	Date Received:	06/09/12
Method:	SW846 8260B SW846 1311	Percent Solids:	10.1
Project:	Sun River; Wilson, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0060391.D	10	06/14/12	RB	06/13/12	OP42224	VN2516
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP List

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.010	0.0020	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.010	0.0020	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.010	0.0022	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.010	0.0025	mg/l	
75-35-4	1,1-Dichloroethylene	ND	D029	0.70	0.010	0.0023	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.010	0.0020	mg/l	
106-46-7	p-Dichlorobenzene	ND	D027	7.5	0.010	0.0023	mg/l	
78-93-3	Methyl ethyl ketone	ND	D035	200	0.050	0.020	mg/l	
127-18-4	Tetrachloroethylene	ND	D039	0.70	0.010	0.0025	mg/l	
79-01-6	Trichloroethylene	ND	D040	0.50	0.010	0.0026	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.010	0.0022	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	92%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SUN RIVER		
Lab Sample ID:	F93913-1A	Date Sampled:	06/08/12
Matrix:	SO - Soil	Date Received:	06/09/12
Method:	SW846 8270D SW846 3510C	Percent Solids:	10.1
Project:	Sun River; Wilson, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L057873.D	4	06/15/12	NAF	06/15/12	OP42256	SL2951
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP List

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.20	0.022	mg/l	
	3&4-Methylphenol	1.03	D024	200	0.20	0.044	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	1.0	0.22	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.20	0.020	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.20	0.020	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.20	0.040	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.20	0.020	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.20	0.022	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.20	0.040	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.20	0.040	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.20	0.024	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.40	0.064	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		14-62%
4165-62-2	Phenol-d5	24%		10-40%
118-79-6	2,4,6-Tribromophenol	70%		33-118%
4165-60-0	Nitrobenzene-d5	77%		42-108%
321-60-8	2-Fluorobiphenyl	75%		40-106%
1718-51-0	Terphenyl-d14	77%		39-121%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SUN RIVER		
Lab Sample ID:	F93913-1A	Date Sampled:	06/08/12
Matrix:	SO - Soil	Date Received:	06/09/12
Method:	SW846 8081B SW846 3510C	Percent Solids:	10.1
Project:	Sun River; Wilson, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK48579.D	1	06/18/12	EM	06/15/12	OP42257	GKK1670
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	10.0 ml
Run #2		

Pesticide TCLP Leachate

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
58-89-9	gamma-BHC (Lindane)	ND	D013	0.40	0.00050	0.000050	mg/l	
12789-03-6	Chlordane	ND	D020	0.030	0.0050	0.0020	mg/l	
72-20-8	Endrin	ND	D012	0.020	0.0010	0.00010	mg/l	
76-44-8	Heptachlor	ND	D031	0.0080	0.00050	0.000050	mg/l	
1024-57-3	Heptachlor epoxide	ND	D031	0.0080	0.00050	0.000050	mg/l	
72-43-5	Methoxychlor	ND	D014	10	0.0010	0.00020	mg/l	
8001-35-2	Toxaphene	ND	D015	0.50	0.025	0.010	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		42-127%
2051-24-3	Decachlorobiphenyl	61%		27-127%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SUN RIVER		
Lab Sample ID:	F93913-1A	Date Sampled:	06/08/12
Matrix:	SO - Soil	Date Received:	06/09/12
Method:	SW846 8151A SW846 3510C	Percent Solids:	10.1
Project:	Sun River; Wilson, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC036344.D	1	06/18/12	NMC	06/15/12	OP42269	GCC376
Run #2							

	Initial Volume	Final Volume
Run #1	10.0 ml	10.0 ml
Run #2		

Herbicide TCLP Leachate — **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
94-75-7	2,4-D	ND	D016	10	0.10	0.025	mg/l	
93-72-1	2,4,5-TP (Silvex)	ND	D017	1.0	0.010	0.0036	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	112%		40-140%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SUN RIVER		
Lab Sample ID:	F93913-1	**Date Sampled:**	06/08/12
Matrix:	SO - Soil	**Date Received:**	06/09/12
		Percent Solids:	10.1
Project:	Sun River; Wilson, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	6380	66	mg/kg	1	06/12/12	06/13/12	LM	SW846 6010C [1]	SW846 3050B [3]
Arsenic	< 3.3	3.3	mg/kg	1	06/12/12	06/13/12	LM	SW846 6010C [1]	SW846 3050B [3]
Cadmium	< 1.3	1.3	mg/kg	1	06/12/12	06/13/12	LM	SW846 6010C [1]	SW846 3050B [3]
Calcium	13400	1700	mg/kg	1	06/12/12	06/13/12	LM	SW846 6010C [1]	SW846 3050B [3]
Copper	62.9	8.3	mg/kg	1	06/12/12	06/13/12	LM	SW846 6010C [1]	SW846 3050B [3]
Lead	< 6.6	6.6	mg/kg	1	06/12/12	06/13/12	LM	SW846 6010C [1]	SW846 3050B [3]
Magnesium	< 1700	1700	mg/kg	1	06/12/12	06/13/12	LM	SW846 6010C [1]	SW846 3050B [3]
Mercury	< 0.81	0.81	mg/kg	1	06/18/12	06/18/12	JL	SW846 7471B [2]	SW846 7471B [4]
Molybdenum	< 17	17	mg/kg	1	06/12/12	06/13/12	LM	SW846 6010C [1]	SW846 3050B [3]
Nickel	< 13	13	mg/kg	1	06/12/12	06/13/12	LM	SW846 6010C [1]	SW846 3050B [3]
Potassium	4660	3300	mg/kg	1	06/12/12	06/13/12	LM	SW846 6010C [1]	SW846 3050B [3]
Selenium	< 6.6	6.6	mg/kg	1	06/12/12	06/13/12	LM	SW846 6010C [1]	SW846 3050B [3]
Sodium	< 3300	3300	mg/kg	1	06/12/12	06/13/12	LM	SW846 6010C [1]	SW846 3050B [3]
Zinc	408	6.6	mg/kg	1	06/12/12	06/13/12	LM	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA9869
(2) Instrument QC Batch: MA9880
(3) Prep QC Batch: MP23003
(4) Prep QC Batch: MP23038

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	SUN RIVER		
Lab Sample ID:	F93913-1	**Date Sampled:**	06/08/12
Matrix:	SO - Soil	**Date Received:**	06/09/12
		Percent Solids:	10.1
Project:	Sun River; Wilson, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	6.5		su	1	06/15/12 09:00	AA	SW846 CHAP7
Cyanide Reactivity	< 15	15	mg/kg	1	06/15/12	LE	SW846 CHAP7
Ignitability (Flashpoint)	> 200		Deg. F	1	06/15/12	AR	SW846 1010
Nitrogen, Ammonia	14400	290	mg/kg	25	06/20/12 15:24	AR	EPA 350.1 M
Nitrogen, Nitrate [a]	< 20	20	mg/kg	2	06/16/12 03:04	TC	EPA 300/SW846 9056A
Nitrogen, Nitrate + Nitrite [b]	< 40	40	mg/kg	1	06/16/12 03:04	TC	SM18 4500NO3
Nitrogen, Nitrite	27.6	20	mg/kg	2	06/16/12 03:04	TC	EPA 300/SW846 9056A
Nitrogen, Total [c]	106000	5000	mg/kg	1	06/21/12 18:28	AR	SM18 4500N
Nitrogen, Total Kjeldahl	106000	5000	mg/kg	50	06/21/12 18:28	AR	EPA 351.2 M
Phosphorus, Total	4850	340	mg/kg	50	06/14/12 08:00	LE	EPA 365.3M
Solids, Percent	10.1		%	1	06/14/12	AA	SM19 2540G
Sulfide Reactivity	< 500	500	mg/kg	1	06/15/12	LE	SW846 CHAP7
pH	6.46		su	1	06/15/12 09:00	TC	SW846 9045D

(a) Dilution required due to matrix interference.
(b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)
(c) Calculated as: (Nitrogen, Total Kjeldahl) + (Nitrogen, Nitrate + Nitrite)

RL = Reporting Limit