



*Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org*

September 19, 2012

Ms. Cheryl Edwards
Kentucky Division of Water
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**RE: Derek Guthrie WQTC, KPDES No: KY0078956
Discharge Monitoring Report - August 2012**

Dear Ms. Cheryl Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Derek Guthrie WQTC, for the month of August 2012.

There were no exceedences, bypasses or overflow reports during the month of August for the Derek Guthrie WQTC.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6031.

Sincerely,

A handwritten signature in black ink, appearing to read "John Kessel". The signature is fluid and cursive, with the first name being the most prominent.

John Kessel
Process Supervisor, West Region

JMK/Derek Guthrie 0812

Enclosures

cc: C. Roth
T. Singleton
R. Shaw



*Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com*

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)
DISCHARGE MONITORING REPORT (DMR)

NAME DEREK R. GUTHRIE WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
4522 ALGONQUIN PKWY
LOUISVILLE KY 40211
FACILITY DEREK R. GUTHRIE WQTC

KY0078956
PERMIT NUMBER


001 2
DISCHARGE NUMBER

MAJOR (SUBR LV)
F - FINAL JEFFE
MUNICIPAL WASTEWATER
EFFLUENT
[] No Discharge

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	08	01		12	08	31

LOCATION LOUISVILLE KY 40272
ATTN: DENNIS THOMASSON SR. METRO OPS

NOTE: Read instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DO)				***	6			(19) MG/L	0	01/01	GR
00300 1 0 0	PERMIT MEASUREMENT	*****	*****	***	2	*****	*****	(19) MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE				***	INST MIN						
BOD, 5-DAY (20 DEG. C)		34696	57701	(26) LBS/DY		203	341	(19) MG/L	0	01/01	CP
00310 G 0 0	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		DAILY	COMPOS
RAW SEW/INFLUENT											
BOD, 5-DAY (20 DEG. C)		1515	2198	(26) LBS/DY		9	13	(19) MG/L	0	01/01	CP
00310 1 0 1	PERMIT MEASUREMENT	7506 MO AVG	11259 MX WK AV	(26) LBS/DY	*****	30 MO AVG	45 MX WK AV	(19) MG/L		DAILY	COMPOS
EFFLUENT GROSS VALUE											
PH				***	6.9		7.6	(12) SU	0	01/01	GRAB
00400 1 0 0	PERMIT MEASUREMENT	*****	*****	***	6.0	*****	9.0	(12) SU		DAILY	GRAB
EFFLUENT GROSS VALUE				***	MINIMUM		MAXIMUM				
SOLIDS, TOTAL SUSPENDED		36125	48048	(26) LBS/DY		212	290	(19) MG/L	0	01/01	CP
00530 G 0 0	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		DAILY	COMPOS
RAW SEW/INFLUENT											
SOLIDS, TOTAL SUSPENDED		1283	1526	(26) LBS/DY		7	8	(19) MG/L	0	01/01	CP
00530 1 0 1	PERMIT MEASUREMENT	7506 MO AVG	11259 MX WK AV	(26) LBS/DY	*****	30 MO AVG	45 MX WK AV	(19) MG/L		DAILY	COMPOS
EFFLUENT GROSS VALUE											
NITROGEN, AMMONIA TOTAL (AS N)		2623	2957	(26) LBS/DY		15	18	(19) MG/L	0	01/01	CP
00610 G 0 0	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		DAILY	COMPOS
RAW SEW/INFLUENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C 1001 AND 33 U.S.C 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.				 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
GREG HEITZMAN EXECUTIVE DIRECTOR	TYPED OR PRINTED		502	540-6000			12	09	24		
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)				AREA CODE		NUMBER		YEAR MO DAY			
USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.											

NAME DEREK R. GUTHRIE WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
4522 ALGONQUIN PKWY
LOUISVILLE KY 40211
 FACILITY DEREK R. GUTHRIE WQTC

KY0078956
 PERMIT NUMBER

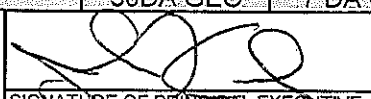
0012
 DISCHARGE NUMBER

MAJOR (SUBR LV)
 F - FINAL JEFFE
 MUNICIPAL WASTEWATER
 EFFLUENT
 [] No Discharge

LOCATION LOUISVILLE KY 40272
 ATTN: DENNIS THOMASSON SR. METRO OPS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	08	01		12	08	31

NOTE: Read instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 1	MEASUREMENT	294	564	(26) LBS/DY		2	5	(19) MG/L	0	01/01	CP	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	MO AVG 3253	MX WK AV 4879	(26) LBS/DY	*****	MO AVG 20	MX WK AV 30	(19) MG/L		DAILY	COMPOS	
NITROGEN, KJELDAHL TOTAL (AS N) 00625 1 0 1	MEASUREMENT	565	1147	(26) LBS/DY		3	7	(19) MG/L	0	01/07	CP	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AVG	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		WEEKLY	COMPOS	
PHOSPHORUS, TOTAL (AS P) 00665 1 0 1	MEASUREMENT	424	568	(26) LBS/DY		2.5	3.3	(19) MG/L	0	01/07	CP	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AVG	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		WEEKLY	COMPOS	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 G 0 0	MEASUREMENT	20.26	24.76	(03) MGD				***	0	CN	CN	
RAW SEW/INFLUENT	PERMIT MEASUREMENT	REPORT MO AVG	REPORT Daily MAX	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTIN	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	MEASUREMENT	20.37	24.59	(03) MGD				***	0	CN	CN	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT Daily MAX	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTIN	
CHLORINE, TOTAL RESIDUAL 50060 1 0 0	MEASUREMENT			***		<0.010	<0.010	(19) MG/L	0	01/01	GR	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	*****	0.019 DAILY MX	(19) MG/L		DAILY	GRAB	
COLIFORM, FECAL GENERAL 74055 1 0 0	MEASUREMENT			***		3	5	(13) 100ML	0	01/01	GR	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		DAILY	GRAB	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C 1001 AND 33 U.S.C 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.							TELEPHONE		DATE		
GREG HEITZMAN EXECUTIVE DIRECTOR								502	540-6000	12	09	20
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

DISCHARGE MONITORING REPORT (DMR)

NAME DEREK R. GUTHRIE WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
4522 ALGONQUIN PKWY
LOUISVILLE KY 40211
 FACILITY DEREK R. GUTHRIE WQTC

KY0078956
 PERMIT NUMBER

0012
 DISCHARGE NUMBER

MAJOR (SUBR LV)
 F - FINAL JEFFE
 MUNICIPAL WASTEWATER
 EFFLUENT
 [] No Discharge

LOCATION LOUISVILLE KY 40272
 ATTN: DENNIS THOMASSON SR. METRO OPS

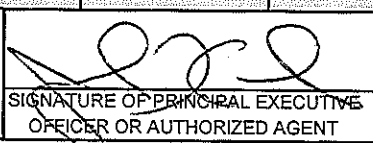
MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	08	01		12	08	31

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY PERCENT REMOVAL 81010 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT			***	95			(23) CENT	0	01/30	CAL
	PERMIT MEASUREMENT	*****	*****	***	85 MO AVG	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT			***	96			(23) CENT	0	01/30	CAL
	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT MEASUREMENT										
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
GREG HEITZMAN
EXECUTIVE DIRECTOR
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C 1001 AND 33 U.S.C 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

 TELEPHONE
 502 | 540-6000
 AREA NUMBER
 CODE
 DATE
 12 | 09 | 19
 YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)
DISCHARGE MONITORING REPORT (DMR)

NAME DEREK R. GUTHRIE WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
4522 ALGONQUIN PKWY
LOUISVILLE KY 40211
FACILITY DEREK R. GUTHRIE WQTC

KY0078956
PERMIT NUMBER

001 R
DISCHARGE NUMBER

MAJOR (SUBR LV) JEFFE
F - FINAL REASONABLE POTENTIAL EFFLUENT
[] No Discharge

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	08	01		12	08	31


LOCATION LOUISVILLE KY 40272
ATTN: DENNIS THOMASSON SR. METRO OPS

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CHROMIUM, HEXAVALENT (AS CR) 01032 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT			***		<0.01	<0.01	(19) MG/L	0	01/30	CP
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		ONCE/MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
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	PERMIT MEASUREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
GREG HEITZMAN
EXECUTIVE DIRECTOR
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. 1001 AND 33 U.S.C. 1319. (Penalties under those statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)


SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
502	540-6000	12	09	19
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Name of Sewage Treatment Plant:

West County WTP

Jefferson

Month of:

August

2012

KPDES Permit Number:

KY0078958

Plant Capacity:

30 MGD

Receiving Stream:

Ohio River

Date	Total Flow (MG)	Raw Sewage		pH		Settleable Solids (mL/L)			Dissolved Oxygen (mg/L)			Suspended Solids (mg/L)			Total Solids (mg/L)			5-day BOD (mg/L)			Activated Sludge			Aeration Basin					Dig Sludge		Final									
		Crft Removed (cu)	Screenings (cu ft)	Raw	Final	Raw	Primary (or Sec)	Final	Stream Above	Final	Stream Below	Raw	Primary (or Sec)	Final	Raw	Primary (or Sec)	Final	Raw	Primary (or Sec)	Final	Raw	Primary (or Sec)	Final	MLSS mg/L X 1000	WAS	Gal/Day X 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	MLSS (mg/L) X1000 #1	MLVSS (mg/L) X1000 #1	30 min. Settle.	SVI	% Solids	Phosphorus (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Fecal Coliform Col/100ml	Hexavalent Chromium	Hardness
1	19.89			7.6	7.2				6.0		178	6					130			4			4630					2880	2050	270.0	0.10				0.01	0.84	10			
2	19.53			7.2	7.1				6.6		150	7					116			4			3000					2720	2110	280.0	0.10				0.01	0.89	2			
3	21.85			7.6	7.2				7.3		262	8					152			6			4180					2780	2100	240.0	0.09				0.01	0.50	2			
4	22.71			7.3	7.2				7.0		214	9					130			6			4640					2950	2150	250.0	0.08				0.01	0.67	4			
5	24.23			7.6	7.2				7.0		228	10					147			7			4920					2930	2190	250.0	0.09		2.90		0.01	1.30	4			
6	21.83			7.3	7.3				6.7		182	10					134			7			4920					2970	2180	270.0	0.09				0.01	3.10	2			
7	20.61			7.8	7.3				7.0		184	9					113			8			5110					3040	2240	300.0	0.10		3.30		0.01	2.80	2		222	
8	20.15			7.4	7.4				7.0		146	9					114			6			5130					3360	2540	370.0	0.11				0.01	0.78	83	0.01		
9	19.88			7.2	7.2				6.6		182	8					104			6			5090					3280	2440	390.0	0.12				0.01	1.70	20			
10	19.98			7.2	7.2				7.0		193	8					147			7			5180					3800	2730	500.0	0.14				0.01	1.20	2			
11	19.60			7.3	6.9				6.8		144	4					158			5			5000					3280	2430	480.0	0.15				0.01	0.62	2			
12	19.52			7.4	7.2				6.9		152	6					161			6			5240					3600	2980	340.0	0.09		2.10		0.01	0.45	2			
13	19.59			7.7	7.4				7.0		200	7					161			8			5290					3580	2680	280.0	0.08				0.01	0.62	2			
14	19.31			7.8	7.2				6.0		196	8					175			6			4840					3310	2480	240.0	0.07		3.21		0.01	0.45	2			
15	19.20			7.2	7.2				7.0		202	8					116			6			4560					3380	2580	220.0	0.07				0.01	0.45	2			
16	19.57			7.8	7.3				7.0		194	8					151			6			4860					3370	2490	210.0	0.08				0.01	0.73	2			
17	24.59			7.4	7.3				7.0		216	12					304			8			5000					3190	2400	200.0	0.06				0.01	0.34	4			
18	21.14			7.2	7.8				7.0		220	8					187			7			5330					2440	1950	150.0	0.08				0.01	0.34	14			
19	20.18			7.5	7.8				7.0		218	7					237			7			4770					3140	2370	230.0	0.07		1.10		0.01	0.06	13			
20	19.67			7.2	7.2				6.8		172	8					220			10			5250					4380	3290	240.0	0.05				0.01	1.20	2			
21	19.60			7.4	7.3				6.8		184	5					129			5			5130					3570	2780	260.0	0.07		2.38		0.01	0.78	2			
22	19.15			7.5	7.2				6.7		192	6					243			6			4780					3220	2470	230.0	0.07				0.01	0.06	8			
23	18.99			7.6	7.6				7.2		510	8					529			6			4680					3160	2470	230.0	0.07				0.01	4.30	2			
24	18.28			7.1	7.4				7.0		193	9					219			29			4080					2730	2140	200.0	0.07				0.01	4.10	2			
25	19.39			7.3	7.4				7.0		284	7					319			15			3840					2340	1860	180.0	0.08				0.01	3.20	2			
26	19.47			7.5	7.5				7.4		256	6					209			8			3930					2370	1870	180.0	0.08				0.01	3.50	2			
27	20.22			7.3	7.4				6.8		192	7					103			7			4210					2840	2230	200.0	0.07		6.80		0.01	4.70	2			
28	22.65			7.5	7.4				6.9		398	7					788			22			4770					2680	2120	200.0	0.08				0.01	4.00	2			
29	20.78			7.4	7.4				6.8		240	7					248			18			4310					3210	2500	190.0	0.08		1.32		0.01	4.10	2			
30	20.14			7.8	7.5				7.0		152	7					153			15			6680					4000	3060	180.0	0.05				0.01	3.70	13			
31	19.81			7.3	7.6				6.7		172	5					206			18			4270					3480	2670	200.0	0.06				0.01	3.00	2			
Total	###	0	0																				0.0		0.0															
Avg.	20.37			7.4	7.3				6.9		212	7					203			9			4753.9					3146.13	2393.87	256.77	0		2.55	3.23	0.01	1.74	3	0.01	222	

Total Number of Sewer Connections:

0

Industrial Waste Population Equivalent

Operator

Curt Otto

Residential Connections:

Commercial Connections:

Industrial Connections:

Sewer Connections X 4 =

0

194003

Flow

202480

BOD

171454

TSS

Cell #

#20265

Phone #

502-540-6042