

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

January 18, 2010

Crystal Thompson DMR Coordinator 200 Fair Oaks Lane Frankfort, Kentucky 40601

Re:

**MSD Metro Operations** 

Hunting Creek South; WQTC KPDES No.: KY0029114

Discharge Monitoring Reports-December 2010.

Dear Ms. Thompson:

Attached are the Discharge Momitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Hunting Creek South WQTC, KPDES No.: KY0029114 for the month of December 2010.

There were no exceedences, bypass or overflow reports for this month.

Also attached are the Annual Metals DMR's If you have any questions concerning the attached DMRs, please contact me at (502)587-5856.

Sincerely

Richard. Mills

Process Supervisor, East Region

RWM/HCS 1210

Enclosures

cc:

C. Roth (DOW Louisville)

T. Singleton

R. Shaw



HUNTING CREEK S WOTC MSD

ADDRESS C/S CEDAR CREEK WOTO SAOS CEDAR CREEK RD

LOUISVILLE

XY 40211

FACILITY HUNTING CREEK S WOTC MED

LOCATION

KY 40059

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

**MONITORING PERIOD** 

TO

DAY

KY0029114 PERMIT NUMBER

МО

YEAR

FROM

DISCHARGE NUMBER

DAY

1.3 J.

YEAR MO

J. 72.

MINOR (SUBR LV) F - FINAL

Form Approved. OMB No. 2040-0004

MUNICIPAL DISCHARGE

EFFLUENT

\*\*\* NO DISCHARGE | \_\_ 1 \*\*\*

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION					FREQUENCY	SAMEL
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	ANALYSIS	TYPE
OBVJERNA DISSULVED (DO)	SAMPLE MEASUREMENT	<b>经收款股份</b>	**************************************		7	*****	<b>安安安</b>	** ( 19)	0	5/30	GR
70300 1 0 0 <u>FFLUENT GROSS VALU</u> X	PERMIT REQUIREMENT	<b>香味等學者等</b>	************	****	INST MIN	*****	<b>李松沙李强</b>	MG/L		<b>Philip</b> hic Y	4K1613
엄	SAMPLE MEASUREMENT	教育徐安林病	禁禁禁禁禁		6-8	安拉拉安安格	7,0	( 12)	0	5/30	GR
20400 1 0 0 <u>Effluent gross valu</u> e	PERMIT REQUIREMENT	## <b>*</b>	****	**** *****	e. o Minimum	安全年度	MAXIMUI	696775779		Shariya Shari	317.67.13
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	301	374	( 26)	经存在存款	194	298	( 3.49)	0	1/7.	C₽
OOSGO G G O RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVO	MEPORT MX WK AV	LBS/DV	******	REPORT Mo Avg	MX WK A			A Journal of St. Chance V.	at End F NE T And
ROLIDS/ TOTAL // BUSPENDED //	SAMPLE MEASUREMENT	granding and a second	20	( 26)	· 经外债债券	7	No.		0		CP
DOSGO 1 C C <u>Effluent Gross-Val</u> ue	PERMIT REQUIREMENT	THE AVE	MX WK AV	CBS/DY	都在本學學者	MD AVE	inx rik :		530 /6 <b>3</b> 150 /50	. <u>1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1</u>	
IITROGEN, AMMONIA TOTAL (AS M)	SAMPLE MEASUREMENT	27	40	( 24)	<b>计算分类的</b> 的	1.8	30		0.	1/7	C P
70610 0 0 0 R <u>AW Sew/Influent</u>	PERMIT REQUIREMENT	REPORT	REPORT MA WAY AV	LBS/DX	教育學等學	REPORT MO AVO	REPOR MX WK /	\$36093 <b>3</b>	76 10 10 10 10 10 10 10 10 10 10 10 10 10	Jan Bright V	JL/PP-L
VITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT		3	( 24)	华宗宗帝京家		2	( <u>1</u> 97)	0	1/73	CP
30610 1 2 0 <u>Ffluent Gross val</u> ue	PERMIT REQUIREMENT	MD AVG	MX WK AV	LBSZDY	<b>会水路头旁</b>	MG AVG	MK WK	29/19/19/19		Florence Charles	water bearing of the States
'HOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	<b>经本格格条款</b>	***		<b>全學中學學學</b>	0.7	1.6		0	8/30	C)
00665 1 0 0 <u>Fffluent gross value</u>	PERMIT REQUIREMENT	****		· 安全公司 · 安全公司	教養養養養養	REPORT MO AVG	REPOR'	C22 14 1	000 - Ag 200 - Ag 200 - Ag	MUNTH	JEFFYEL
NAME/TITLE PRINCIPAL EXECUTIVE	prepare	d under my direction or sup-	is document and all attachm ervision in accordance with a operly gather and evaluate t	system designed		44 JAC	. 17/	TELEPHON	E	DA	\TE
HJ Schandien JR Exec-Director	or those submitte	ed. Based on my inquiry of the persons directly responsible ed is, to the best of my knowle	he person or persons who ma for gathering the information ledge and belief, true, accura	mage the system, on, the information ite, and complete.		Mara TY	Ille	502 1540-G	л А. До". П. А. До".		20
TYPED OR PRINTED OMMENTS AND EXPLANATION OF			t penalties for submitting fals mprisonment for knowing vi			TURE OF PRINCIPAL FICER OR AUTHORIZE	D AGENT	AREA NUMBER		YEAR M	

OF

FACILITY

HUNTING CREEK S WOTC MSD

ADDRESS C/O CEDAR CREEK WOTC WASS CEDAN CREEK RD

LOUISVILLE

KY 40211

HUNTING CREEK S WOTC MED LOCATION PROSPECT

.KY 40059

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MONITORING PERIOD

TO

DAY

KY0029114 PERMIT NUMBER

MO

YEAR

FROM

OOL DISCHARGE NUMBER

DAY

(L)

YEAR MO

MINOR (SUBR LV) F - FINAL

JEFFE

Form Approved.

OMB No. 2040-0004

MUNICIPAL DISCHARGE

EFFLUENT

\*\*\* NO DISCHARGE 1 1 \*\*\*

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION					FREQUENCY	OZIVII EL
		AVERAGE	MAXIMUM	UNITS	МІМІМИМ	AVERAGE	MAXIMUM	UNITS	EX	ANALYSIS	TYPE
TLOW: IN COMDULT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.193	0.294	( 99)	*****	****	****	***	0	CN	CN
30050 % O G <u>Ffluent Gross</u> Value	PERMIT REQUIREMENT	REPORT 30DA AVO	REPORT DAILY MX	MGD	<b>举作轻吹啪地</b>	*****	<b>经济价价</b>	<b>表 4</b> 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		CONT IN	L JUN S Z
CHLORINE) TOTAL RESIDUAL	SAMPLE MEASUREMENT	经营收益款金	<b>经验证券</b>		****	Z0.010	<0-010	) ( 197	Û	5/30	GR
30060 1 0 0 <u>Effluent gross</u> value	PERMIT REQUIREMENT	****	2 <b>*</b> * * * * * * * * * * * * * * * * * *	(	***	O. OII MO AVO	O. O. MX WK	\$ altered (1)		HALLAN T	anteria.
COLIFORM, FECAL BENERAL	SAMPLE MEASUREMENT	· 经营业股份。	<b>经验检验验</b>		<b>企业基本条件</b>			3.27	۵	77	GR
74055 1 0 0 <u>Effluent gross value</u>	PERMIT REQUIREMENT	***	三. 神奇神神神神神神 三. 三. 三	***** *****	<b>公益等资本</b> 金	200 30DA GEO	7 DA G	시간단 전 열	2611 m22	or,envilly	snea.
POD, CARBONACEOUS DS DAY, 200	SAMPLE MEASUREMENT	200 ]	281	( 26)	*****	132	189	( 17:	٥	1/7	C.P
30082 0 0 0 0 RAM SEM/INFLUENT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PERMIT REQUIREMENT	REPORT 310 AVG	REPORT YA WK AV	LBSZDY	<b>新安全省</b>	REPORT MO AVG	MX WK	2007 C. C.	94 256 46 25 65 25 65 35	VAKAS Y	
BOD, CARBONACEBUS D5 DAY, BOC	SAMPLE MEASUREMENT	5	9	( 26)	<b>新外教会会</b>	3	6	( 177.	0	1/7	CP
RODER 1 0 0 Effluent Gross value	PERMIT REQUIREMENT	21 210 AVG	AY WW AY	LBS/DY	李林林林林	MO WAS	MX WK	\$460 E C C		UTERLY	.umru
ODD, CARB-5 DAY, ZO DEG C, PERCENT REMVL	SAMPLE MEASUREMENT	教育等等的	<b>经存在股份</b> 1		98	· · · · · · · · · · · · · · · · · · ·	ত কিন্তু কৰা কৰা ১৮০০		0	CH	CH
30091 K O O Percent Removal	PERMIT REQUIREMENT	· 经条件条件 。	*****	· 徐徐徐徐	MO MIN	· 李安林林林	রা প্রভার রা	TPER- CENT	10.11	MONTH	The Contract of the Contract o
ROLIDS, SUSPENDED PERCENT REMOVAL ( )	SAMPLE MEASUREMENT	- <b>************************************</b>	经存储存金额		97	<b>经验检查查证</b>	特物特徵		٥	CA	c#
91011 K D D D PERCENT REMOVAL	PERMIT REQUIREMENT	******	<b>建筑安全条线</b> 4	4-4-3-4	HIN DY	在农家教会会	火膏水水膏	R PER- CENT		MUNTH	1. 1991 Land Level 1. 19
NAME/TITLE PRINCIPAL EXECUTIVE	prepare	onder penalty of law that the under my direction or sup-	ervision in accordance with:	a system designed	r : [n]	4 4 4 6	1.77	TELEPHON	IE	D#	ATE
HJ Schandien JR. Exec-Director	submitt or those submitt	e that qualified personnel pr ed. Based on my inquiry of the persons directly responsible ed is, to the best of my knowl	ie person or persons who ma for gathering the informati- edge and belief, true, accur-	anage the system, on, the information ote, and complete.	·n	hurd 4H	*****	502 1540-6	04 <b>0</b> -	eritores	
TYPED OR PRINTED	I am aw	I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			AREA NUMBER		YEAR M	IO DAY

OF

HUNTING CREEK 5 WOTC MSD

ADDRESS C/O CEDAR CREEK WOTO 8405 CEDAR CREEK RD

LOUISVILLE **FACILITY** 

KY 40211

HUNTING CREEK S WOTC MED

LOCATION PROSPECT

HKY 40059

FROM

YEAR

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

**MONITORING PERIOD** 

TO

DAY

1.5

KY0029114 PERMIT NUMBER

MO

DISCHARGE NUMBER

DAY

YEAR MO

MINDR (SUBR LV) F - FINAL

Form Approved.

OMB No. 2040-0004

JEFFE

METALS MONITORING

EFFLUENT

\*\*\* NO DISCHARGE 1 1 \*\*\*

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION					FREQUENCY	SAMPLE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	ANALYSIS	TYPE
HARDNESS, TOTAL (AS CACDS)	SAMPLE MEASUREMENT	安安等等等	<b>有关的关系</b>		新香香香香香 : : : : : : : : : : : : : : : : : :	223	223	\$ <b>\$</b> \$ 7 \$	Ch:	01/42	1
DOSOO 1 0 0 <u>Feluent gross</u> valui	PERMIT REQUIREMENT	<b>教教教体被</b> 物等	蜂状腺管囊管 我	<b>水水水水</b>	<b>安格尔学</b> 安格	REPORT	REPUMI DAILY MA	Me/L	A	43W74 (J#4)	Juline i
CADMIUM, DISSOLVED (AS CD)	SAMPLE MEASUREMENT	<b>非安安安安安</b>	私家教育会会		经营业的	01003	6.003	( 17)	(7	Ol/YR	6.8
01025 % 0 0 <u>Effluent gross val</u> ui	PERMIT REQUIREMENT	<b>香茶松茶松茶</b>		香水水水 香水水水	******	REPORT :	REFURT DAILY MA	MS/L		anarus/est_	www.
COPPER. DISSELVED (AS CU)	SAMPLE MEASUREMENT	经本金金金	各宗教公安省		<b>安全的价格的</b>	0.01	0.01	( 1.47)	0	O1/AR	69
01040 1. C O. <u>Effluent Gross valu</u> )	PERMIT REQUIREMENT	***	****	· 安安安安	<b>业业企业</b>	REFORT MO AVO	REFORT DAILY MY	MO/L	fair 198	hivipulm.	
LEAD, DISSOLVED (AS PB)	SAMPLE MEASUREMENT	"安安安安安	按於於於於 ()		存分學者或亦	0.005	0.005	1 17;	Z	01/1/2	C.
01047 1 0 0 <u>Effluent gross valu</u> )	PERMIT REQUIREMENT	教教授的教育	· 安松杂类各种。*	· 经投资 · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	REPURT MG AVG	DAILY M		√riφ	31,43.4 (13-9)	
(AS ZM) (AS ZM)	SAMPLE MEASUREMENT	****	<b>经济特许</b>		· 安安传》	0.06	0.06		Ø	01/4/8	
D1090 I O O <u>Effluent Grass valu</u> i	PERMIT REQUIREMENT	· 教传书谈绘版	***	经验费 经分量长	· · · · · · · · · · · · · · · · · · ·	REPÜRT MG AVS	REPURI DAILY ED	MG/L		A1415.1475.64817	S S P W Year
IINC TOTAL RECOVERABLE	SAMPLE MEASUREMENT	*****	*****		· 查查查查检验	0.06	0.06		7	CHAR	CI
01094 % O O <u>effluent gross valu</u> m	PERMIT REQUIREMENT	***		安全 安全 (1)	· 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	REFORT MO AVG	REFUR! DAILY MX	M9/L		1161747/51L	. 45 San F. 5 5 San
CADMIUM TOTAL RECOVERABLE .	SAMPLE MEASUREMENT	经保持营业的			<b>经验检查证券</b>	0.003	0.003	1 197	Q.	° 1/4R	CP
	PERMIT REQUIREMENT	<b>新新安慰教育</b>		物學的 學學學學	榜整体的音號	REFORT MD AVO	REFORT DAILY MY	ms/L		AMINU MA	
NAME/TITLE PRINCIPAL EXECUTIVE H. J. Scherbein Jr.	prepare to assur submitte	under penalty of law that the d under my direction or sup- e that qualified personnel pre ed. Based on my inquiry of the	ervision in accordance with a operly gather and evaluate the re person or persons who ma	a system designed he information mage the system,		elmaki 41	15/16	TELEPHON	E	DA	ATE
Exec. Director	submitte 1 am aw	persons directly responsible ed is, to the best of my knowl are that there are significant	edge and belief, true, accura penalties for submitting fals	te, and complete. se information,	SIGNA	TURE OF PRINCIPAL	EXECUTIVE ST	2 540-60		10 1	
TYPED OR PRINTED COMMENTS AND EXPLANATION OF		g the possibility of fine and i		iolations.	OFF	ICER OR AUTHORIZE	D AGENT AR	FA NUMBER	١	YEAR M	IO DAY

HUNTING CREEK S WOTC MSD

ADDRESS C/O CEDAR CREEK WOTO 8405 CEDAR CREEK AD

LOUISVILLE

KY 40211

HUNTING CREEK 5 WOTC MED

MY 40057

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

**MONITORING PERIOD** 

TO

DAY

MYOOEFILG PERMIT NUMBER

MO

YEAR

FROM

001 M DISCHARGE NUMBER

DAY

YEAR MO

MINOR (SUBR LY) F - FINAL OMB No. 2040-0004

Form Approved.

JEFFE

METALS MONITORING

EFFLUENT

\*\*\* NO DISCHARGE ! ! \*\*\*

PARAMETER		QUAN	TITY OR LOADING	QUALITY OR CONCENTRATION					FREQUENCY OF	SAMPLE	
	2.	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	ANALYSIS	TYPE
EAD OTAL RECOVERABLE	SAMPLE MEASUREMEN	T SECOND	<b>安全安全条</b>			0.005	0,005	1 173	Ø	OYYR	28
1114 1 0 0 <u>FFLUENT GROSS</u> VALVI	PERMIT REQUIREMEN	*****	****	***** ****	<b>发表类类类</b>	REPORT MO AVO	REPORT DAILY M	X MG/L		AMVO AL	Lifetto Li
OPFER DTAL RECOVERABLE	SAMPLE MEASUREMEN	T Section Sect	李 谷 安 金 金		45 45 46 46 46 46 46 46 46 46 46 46 46 46 46	0.01	0.01	( TA)	Ø	9/42	cP
1117 1 0 0 <u>FFLUENT GROSS VAL</u> U)	PERMIT REQUIREMEN	, <del>******</del>	*****	****** ******	****	REPURI MO AVG	DAILY M			Patricia Pala	L. S. L.
	SAMPLE MEASUREMEN	T									
<u> </u>	PERMIT REQUIREMEN	•						00 08 08			
	SAMPLE MEASUREMEN	T			. :						
	PERMIT REQUIREMEN										
:	SAMPLE MEASUREMEN	т									
	PERMIT REQUIREMEN										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMEN	T :									
	PERMIT REQUIREMENT	r i de la companya de									
H.J. Scharle. J1.  Exec. Director  Lama		tify under penalty of law that the ared under my direction or sup	ervision in accordance with :	a system designe			1 4/2	TELEPHON	1E	DA	ATE
		itted. Based on my inquiry of t	sure that qualified personnel properly gather and evaluate the information itted. Based on my inquiry of the person or persons who manage the system. ose persons directly responsible for gathering the information, the information.			whatd 41					
		aware that there are significan	ed is, to the best of my knowledge and belief, true, accurate, and complete, are that there are significant penalties for submitting false information,			SIGNATURE OF PRINCIPAL E		12 546-6		10 1	1 1 +
TYPED OR PRINTED OMMENTS AND EXPLANATION OF		ding the possibility of fine and i		ioiations		FFICER OR AUTHORIZE	- Co	NUMBEI	<u>ا</u>	YEAR M	10 DAY

				INF	LUENT		
		Co	ncentration			Poun	ds
Date	Flow	TSS	BOD	NH3	TSS	BOD	NH3
12/1/2010	0.294	102	21	11	250.100	51.491	26.972
12/2/2010	0.219						
12/3/2010	0.183						
12/4/2010	0.207						
12/5/2010	0.205						
12/6/2010	0.174						
12/7/2010	0.164						
12/8/2010	0.15	298	153	29.9	372.798	191.403	37.405
12/9/2010	0.151						
12/10/2010	0.149						
12/11/2010	0.181						
12/12/2010	0.232						
12/13/2010	0.188						
12/14/2010	0.167						
12/15/2010	0.163						
12/16/2010	0.207						
12/17/2010	0.192						
12/18/2010	0.198						
12/19/2010	0.201	124	165	3	207.866	276.596	5.029
12/20/2010	0.191						
12/21/2010	0.196						
12/22/2010	0.198						
12/23/2010	0.195						
12/24/2010	0.203						
12/25/2010	0.211						
12/26/2010	0.188						
12/27/2010	0.178	252	189	27	374.099	280.574	40.082
12/28/2010	0.168						
12/29/2010	0.167						
12/30/2010	0.245						
12/31/2010	0.226			<u></u>			
Average	0.193	194	132	17.73	301.216	200.016	27.372
Maximum	0.294	298	189	29.90	374.1	280.57	40.082

Date   Flow   TSS   BOD   NH3   Fecal   TSS   BOD   NH4   TSS   BOD   NH5   Tot. Phos. TSS Rem   BOD Rem   12/1/10   0.294   0.294   0.294   0.294   0.294   0.295   0.904762   0.297   0.1283   0.183   0.183   0.183   0.183   0.183   0.183   0.183   0.183   0.183   0.183   0.183   0.183   0.183   0.124/10   0.205   0.205   0.126/10   0.174   0.164   0.174   0.164   0.151   0.151   0.151   0.151   0.151   0.151   0.151   0.181   0.181   0.181   0.181   0.181   0.181   0.181   0.181   0.167   0.163   0.121/10   0.163   0.121/10   0.163   0.121/10   0.163   0.121/10   0.163   0.121/10   0.198   0.181/10   0.198   0.	Hunting Cr. S		Report for	Dec-10		Γot. Exc.=	0	(Influent da	_			
12/1/10	Tot. Flow=	5.991									<b>-</b> 00 <b>-</b> 0	
12/2/10 0.219 12/3/10 0.83 12/4/10 0.207 12/5/10 0.205 12/6/10 0.174 12/7/10 0.164 12/8/10 0.15 7 2 0.7 1 8.757 2.502 0.876 0.572 0.97651 0.986928 12/9/10 0.151 12/10/10 0.149 12/11/10 0.181 12/12/10 0.322 12/13/10 0.188 12/14/10 0.167 12/15/10 0.163 12/16/10 0.207 12/17/10 0.192 12/13/10 0.198 12/13/10 0.203 12/13/10 0.203 12/13/10 0.203 13/13/10 0.205 12/13/10 0.226  0.193 6.50 3.00 0.92 1.00 11.42 4.92 1.49 0.67 97% 98%												
12/3/10			8	2	0.34	1	19,616	4.904	0.834	0.715	0.921569	0.904762
12/4/10 0.205 12/6/10 0.174 12/7/10 0.164 12/8/10 0.15 12/9/10 0.151 12/9/10 0.181 12/11/10 0.181 12/11/10 0.188 12/14/10 0.163 12/16/10 0.207 12/15/10 0.193 12/16/10 0.198 12/17/10 0.198 12/17/10 0.198 12/17/10 0.198 12/17/10 0.198 12/17/10 0.198 12/17/10 0.198 12/17/10 0.198 12/17/10 0.198 12/17/10 0.198 12/17/10 0.198 12/17/10 0.198 12/17/10 0.198 12/17/10 0.198 12/17/10 0.198 12/17/10 0.196 12/17/10 0.198 12/17/10 0.188 12/17/10 0.188 12/17/10 0.188 12/17/10 0.188 12/17/10 0.188 12/17/10 0.188 12/17/10 0.188 12/17/10 0.188 12/17/10 0.188 12/17/10 0.188 12/17/10 0.188 12/17/10 0.188					•							
12/5/10	12/3/10											•
12/6/10	12/4/10											
12/7/10		0.205						•			•	
12/8/10 0.15 7 2 0.7 1 8.757 2.502 0.876 0.572 0.97651 0.986928 12/9/10 0.151 12/10/10 0.149 12/11/10 0.181 12/12/10 0.232 12/13/10 0.168 12/14/10 0.165 12/15/10 0.163 12/15/10 0.192 12/18/10 0.198 12/19/10 0.201 5 2 1.9 1 8.382 3.353 3.185 1.230 0.959677 0.987879 12/20/10 0.191 1.580 12/22/10 0.198 12/22/10 0.198 12/22/10 0.198 12/22/10 0.198 12/22/10 0.198 12/22/10 0.198 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.195 12/22/10 0.188 12/22/10 0.168 12/22/10 0.168 12/22/10 0.168 12/22/10 0.168 12/22/10 0.168 12/22/10 0.168 12/22/10 0.168 12/22/10 0.168 12/22/10 0.168 12/22/10 0.168 12/23/10 0.245 12/30/10 0.245 0.393 0.393 0.393 0.393 0.393 0.393 0.285 0.393 0.285 0.	12/6/10	0.174										
12/9/10	12/7/10	0.164										
12/10/10	12/8/10	0.15	7	2	0.7	1	8.757	2.502	0.876	0.572	0.97651	0.986928
12/11/10	12/9/10	0.151										
12/12/10 0.232 12/13/10 0.188 12/14/10 0.167 12/15/10 0.163 12/16/10 0.207 12/17/10 0.192 12/18/10 0.201 5 2 1.9 1 8.382 3.353 3.185 1.230 0.959677 0.987879 12/20/10 0.191 12/21/10 0.196 1.580 12/22/10 0.198 12/23/10 0.195 12/24/10 0.203 12/25/10 0.211 12/26/10 0.188 12/27/10 0.188 12/27/10 0.188 12/27/10 0.188 12/27/10 0.168 12/28/10 0.168 12/28/10 0.168 12/29/10 0.168 12/29/10 0.168 12/29/10 0.168 12/29/10 0.168 12/29/10 0.168 12/29/10 0.168 12/29/10 0.168 12/29/10 0.168 12/29/10 0.168 12/29/10 0.168 12/29/10 0.169 12/29/10 0.167 12/30/10 0.245 12/31/10 0.226  Average 0.193 6.50 3.00 0.92 1.00 11.42 4.92 1.49 0.67 97% 98%	12/10/10	0.149										
12/13/10	12/11/10	0.181										
12/14/10	12/12/10	0.232										
12/15/10 0.163 12/16/10 0.207 12/17/10 0.192 12/18/10 0.198 12/20/10 0.191 12/21/10 0.196 12/22/10 0.198 12/22/10 0.198 12/22/10 0.198 12/22/10 0.198 12/22/10 0.198 12/22/10 0.198 12/22/10 0.198 12/22/10 0.198 12/23/10 0.195 12/24/10 0.203 12/25/10 0.211 12/26/10 0.188 12/27/10 0.178 6 6 0.73 1 8.907 8.907 1.084 0.203 0.97619 0.968254 12/28/10 0.168 12/29/10 0.167 12/29/10 0.167 12/30/10 0.245 12/30/10 0.226  Average 0.193 6.50 3.00 0.92 1.00 11.42 4.92 1.49 0.67 97% 98%	12/13/10	0.188										
12/16/10	12/14/10	0.167										
12/17/10	12/15/10	0.163							•			
12/18/10	12/16/10	0.207	•									
12/19/10 0.201 5 2 1.9 1 8.382 3.353 3.185 1.230 0.959677 0.987879  12/20/10 0.191  12/21/10 0.196 1.580  12/22/10 0.198  12/23/10 0.203  12/25/10 0.211  12/26/10 0.188  12/27/10 0.178 6 6 0.73 1 8.907 8.907 1.084 0.203 0.97619 0.968254  12/28/10 0.168 0.462  12/29/10 0.167 0.393  12/30/10 0.245  12/31/10 0.226  Average 0.193 6.50 3.00 0.92 1.00 11.42 4.92 1.49 0.67 97% 98%	12/17/10	0.192										
12/20/10	12/18/10	0.198								ı		
12/21/10 0.196 12/22/10 0.198 12/23/10 0.195 12/24/10 0.203 12/25/10 0.211 12/26/10 0.188 12/27/10 0.178 6 6 0.73 1 8.907 8.907 1.084 0.203 0.97619 0.968254 12/28/10 0.168 0.462 12/29/10 0.167 0.393 12/30/10 0.245 12/31/10 0.226 Average 0.193 6.50 3.00 0.92 1.00 11.42 4.92 1.49 0.67 97% 98%	12/19/10	0.201	5	2	1.9	1	8.382	3.353	3.185	1.230	0.959677	0.987879
12/22/10	12/20/10	0.191										
12/23/10	12/21/10	0.196								1.580		
12/24/10	12/22/10	0.198	<b>,</b>									
12/25/10	12/23/10	0.195	i							•		
12/26/10 0.188 12/27/10 0.178 6 6 6 0.73 1 8.907 8.907 1.084 0.203 0.97619 0.968254 12/28/10 0.168 12/29/10 0.167 12/30/10 0.245 12/31/10 0.226 Average 0.193 6.50 3.00 0.92 1.00 11.42 4.92 1.49 0.67 97% 98%	12/24/10	0.203	<b>;</b>									
12/27/10 0.178 6 6 0.73 1 8.907 8.907 1.084 0.203 0.97619 0.968254 12/28/10 0.168 0.462 12/29/10 0.167 12/30/10 0.245 12/31/10 0.226  Average 0.193 6.50 3.00 0.92 1.00 11.42 4.92 1.49 0.67 97% 98%	12/25/10	0.211										
12/28/10	12/26/10	0.188	<b>,</b>									
12/29/10 0.167 12/30/10 0.245 12/31/10 0.226 Average 0.193 6.50 3.00 0.92 1.00 11.42 4.92 1.49 0.67 97% 98%	12/27/10	0.178	6	6	0.73	1	8.907	8.907	1.084		0.97619	0.968254
12/30/10 0.245 12/31/10 0.226 Average 0.193 6.50 3.00 0.92 1.00 11.42 4.92 1.49 0.67 97% 98%	12/28/10	0.168	}									
12/31/10 0.226 Average 0.193 6.50 3.00 0.92 1.00 11.42 4.92 1.49 0.67 97% 98%	12/29/10	0.167	•									
12/31/10 0.226 Average 0.193 6.50 3.00 0.92 1.00 11.42 4.92 1.49 0.67 97% 98%		0.245	i							0.184		
Average 0.193 6.50 3.00 0.92 1.00 11.42 4.92 1.49 0.67 97% 98%												
100 100 100 100 100 100 100 100 100 100	=			3.00	0.92	1.00	11,42	4.92	1.49	0.67	97%	98%
Maximum 0.294 8.00 6.00 1.90 1.00 19.62 8.91 3.19 1.58				6.00	1.90		19.62	8.91	3.19	1.58		