Hardin County Water District No. 1 Compliance Monitoring

DIOXIN Waiver for 2014-16 compliance period

1st Quarter 2008 1st Quarter 2009 1st Quarter 2010 1st Quarter 2011 1st Quarter 2012 1st Quarter 2013 1st Quarter 2014 1st Quarter 2015 1st Quarter 2016

1st Quarter 2008	3 1st Quarter 2009	1st Quarter 2010	1st Quarter 2011	1st Quarter 2012	1st Quarter 2013	1st Quarter 2014	1st Quarter 2015	1st Quarter 2016	
SOC (atra/sima /lasso) - 1-23-08 VOC -1-23-08 RADS - 1-23-08 1º - 1-23-08 2º - 1-23-08 NO ₃ - 3-12-08 Na - 1-23-08 tthm/Haa-1-2-08	SOC (atra/sima /lasso) - 1-21-09 Dioxin - 1-21-09 VOC -1-21-09 1° 1-21-09 (No CN) 2° - 1-21-09 No ₃ - 1-21-09 Na - 1-21-09 CN - 2-24-09 tthm/Haa-1-5-09	SOC (atra/sima /lasso) - 1-18-10 VOC - 1/18/10 1° - 1/18/10 2° - 1/18/10 NO3 - 1/18/10 NO3 - 1/18/10 tthm/Haa-1-26-10	SOC (atra/sima /lasso) - 1-18-11 VOC - 1-18-11 1° 2° Nitrate - 1-18-11 Nitrite - 1-18-11 Na tthm/haa -3/11/11 Asbestos - 2-14-11	SOC (atrazine ONLY) VOC 1° 2° Nitrate Nitrite Na tthm/haa	VOC 1° 2° Nitrate Na tthm/haa	Jan Wk 1 - Stage II tthm/haa VOC 1º 2º Nitrate Na	Jan Wk 1 - stage II tthm/haa Jan - UCMR3 VOC 1° 2° Nitrate Na	Jan wk1- tthm/haa VOC 1° 2° Nitrate Na LT2-Jan13msrt, Feb10rt, Mar9rt	Monthly Bactis (30) Monthly Fluorides (2) Monthly - TOC/Alk Monthly - Backwash Qly - HPC 2011,2014,2017 starts the 3 year cycling period for SOCs/VOCs
2nd Quarter 200	2nd Quarter 2009	2nd Quarter 2010	2nd Quarter 2011	2nd Quarter 2012	2nd Quarter 2013	2nd Quarter 2014	2nd Quarter 2015	2nd Quarter 2016	2013, 2016 - Pb and
SOC (atra/sima /lasso) - 6-25-08 tthm/Haa-4-15-08	SOC (atra/sima /lasso) - 4-27-09 Dioxin - 5-19-09 tthm/Haa-4-1-09	SOC - 4-22-10 tthm/Haa-5-14-10	SOC Dioxin tthm/haa	SOC (atrazine ONLY) tthm/haa	SOC (atrazine ONLY) tthm/haa **June 1 - Sept 30 30 Pb and Cu	Apr Wk 1 - Stage II tthm/haa Apr - UCMR3 SOC	SOC (atrazine ONLY) Apr Wk 1 - Stage II tthm/haa	SOC (atrazine ONLY) Apr Wk 1 - Stage II tthm/haa LT2- Apr13rt, May11rt, Jun15rt	Cu 2023 - Rads (gross A, Rad 226, Rad 228, Uranium) UCMR3
3rd Quarter 200	3rd Quarter 2009	3rd Quarter 2010	3rd Quarter 2011	3rd Quarter 2012	3rd Quarter 2013	3rd Quarter 2014	3rd Quarter 2015	3rd Quarter 2016	April 2014, July 2014,
SOC (atra/sima /lasso) - 8-13-08 Na - 8-13-08 tthm/Haa-7-14-08	SOC (atra/sima /lasso) - 8-31-09 Dioxin - 8-31-09 tthm/Haa-7-20-09	SOC - 7-22-10 tthm/Haa-7-20-10 Pb/Cu	SOC Dioxin tthm/haa	SOC (atrazine ONLY) - THEN SEND LETTER TO KDOW tthm/haa	tthm/haa (check on atrazine as website says 2Q, but last detect was in 3Q)	July Wk 1 - Stage II tthm/haa July - UCMR3 SOC	July Wk 1 - Stage II tthm/haa	July Wk 1 - Stage II tthm/haa LT2-Jul13rt,Aug10rt, Sep14rt Cu&Pb Jun1-Sep30	Oct 2014, Jan 2015 WHPP - Update due April 2015 LT2ESWTR - sample
4th Quarter 200	4th Quarter 2008 4th Quarter 2009 4th Quarter 2010 4th Quarter 2011 4th Quarter 2012 4th Quarter 2013 4th Quarter 2014 4th Quarter 2015 4th Quarter 2016								
SOC (atra/sima /lasso) - 11-18-08 tthm/Haa-10-20- 08	SOC (atra/sima /lasso) - 11-16-09 tthm/Haa-10-20-09	SOC (atra/sima /lasso) - 12-14-10 tthm/Haa-10-19-10	SOC (atra/sima /lasso) ??? tthm/haa	tthm/haa	Oct Wk 1 - Stage II tthm/haa	Oct - UCMR3 tthm/haa	Oct Wk 1 - Stage II tthm/haa	Oct wk1-tthm- haa Lt2-Oct12rt, Nov9rt, Dec14rt	round - July 2015 RMP - revision due Feb 14, 2016 if not before (must submit one when we change process to chloramines)

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1st Quarter 2017 1st Quarter 2018 1st Quarter 2019 1st Quarter 2020 1st Quarter 2021 1st Quarter 2022 1st Quarter 2023 1st Quarter 2023 1st Quarter 2024 1st Quarter 2025

201 Qualter 2027	201 Quarter 2020	201 Quarter 2020	201 Quarter 2020	201 Quarter 2022	201 Quarter 2022	201 Quarter 2020	201 Quarter 202 1	201 Quarter 2020	
Jan Wk1-stage II tthm/haa	Jan wk1-stage II tthm/haa			Monthly Bactis (30) Monthly Fluorides (2)					
voc		VOC	VOC	VOC	VOC	VOC			Monthly - TOC/Alk
10	VOC	1º	1 ⁰	Inorganic	Inorganic	Inorganic			Monthly - Backwash
2°	1º	2º	2°	2°	2º	2°			mentin, Duentiusii
Nitrate	2 ⁰	Nitrate	Nitrate	Nitrate	Nitrate	Nitrate			
Na	Nitrate	Na	Na	Na	Na	Na			
	Na	ING	IVa	INa	IVa	IVa			
Atrazine	INd								2011,2014,2017 starts
LT2-			Mar 2020-			Rads			the 3 year cycling
Jan11rt,Feb08rt,			AM1,AM2 UCMR4						period for SOCs/VOCs
Mar08rt 2017 2nd Quarter 2018 2nd Quarter 2019 2nd Quarter 2020 2nd Quarter 2021 2nd Quarter 2022 2nd Quarter 2023 2nd Quarter 2024 2nd Quarter 2025									
Apr Wk1-stage II	Apr wk1-stage			2013, 2016, 2019,					
tthm/haa	II tthm/haa	II tthm/haa	II tthm/haa	II tthm/haa	II tthm/haa	II tthm/haa			2022 - Pb and Cu
	ii ttiiiiyiidd	II ttiiiijiiaa	Apr wk2 and 4-		II CCIIIII/IIaa	II ttiiiiyiiaa			
SOC with			AM3 UCMR4	SOC					2023 - Rads (gross A,
Atrazine	SOC (Atrazine		May wk2 and 4-	w/Atrazine	Atrazine	SOC			,
LT2- Apr12rt,	only)	June UCMR4	AM3 UCMR4			w/Atrazine			Rad 226, Rad 228,
May10rt,			Jun wk2 and 4- AM3 UCMR4						Uranium)
Jun14rt			SOC w/						
3rd Quarter 2017	3rd Quarter 2018	3rd Quarter 2019		3rd Quarter 2021	3rd Quarter 2022	3rd Quarter 2023	3rd Quarter 2024	3rd Quarter 2025	UCMR5
							5. a. Qua. te. 202 .	5. a quarter 2025	May 2023 , Aug 2023,
July wk1-stage II tthm/haa	July wk1-stage	July wk1-stage	July wk1-	July wk1-stage	July wk1-stage	July wk1-stage			Nov 2023, Feb 2024
ttiiii/iida	II tthm/haa	II tthm/haa	stage II	II tthm/haa	II tthm/haa	II tthm/haa			
LT2- Jul12rt ms,		Pb & Cu- 30	tthm/haa						WHPP (every 5 yrs) -
Aug 9rt, Sep 13rt		(6/1-9/30)	July wk2 and 4-		Pb & Cu- 30	SOC			Update due April 2026.
		Sept- UCMR4	AM3 UCMR4		(6/1-9/30)				
SOC w/Atrazine		Sept- Ocivin4	SOC		· · · ·				LT2ESWTR - sample
4th Quarter 2017	4th Quarter 2018	4th Quarter 2019	4th Quarter 2020	4th Quarter 2021	4th Quarter 2022	4th Quarter 2023	4th Quarter 2024	4th Quarter 2025	schedule due for 2nd
Oct wk1-stage	0-4	0-4	0 . 14 .	Oat what atoms	0-4	Oatl.1 ata aa			round - July 2015 ✓
J	Oct wk1-stage			·					
II tthm/haa	II tthm/haa	II tthm/haa	II tthm/haa	II tthm/haa	II tthm/haa	II tthm/haa			RMP - revision due Feb
LTD Codd11mt									14, 2016 if not before
LT2- Oct11rt,		Dec- UCMR4							(must submit one when
Nov 08rt, Dec.									we change process to
13rt									chloramines). Mar 25,
Atrazine									2021

Atrazine- No detects w 4 quarters testing, ask for reduced monitoring