TK-0812	CRUDE OIL PROCESSING FACULTY	11/16/201	<sup>†</sup> Equipment Leaks	Volatile Organic Compounds (VOC)	Quarterly instrumental monitoring of accessible pumps, compressors and valves in vapor or light liquid service, with leak definitions of 500 pmm (valves) and 2,000 ppmm (pump and compressor seels). Upon detection of a leak, a first attempt to repair must be made within 5 days, and repairs must be completed within 15 days, and	8.72	R TAYR					NSPS GGG, GGGa, 30 TAC 115, SUBCHAPTER D
			Equipment				,,					
TX-0847	VALERO PORT ARTHUR REFINERY	4/4/2019	Leaks/Fugitive Emissions	Volatile Organic Compounds (VOC)	28 VHP	c	0			0		
			Equipment Leaks/Fugitive	Volatile Organic	Fugitive Leak Detection and Repair (LDAR) per the 28MID, 28PI, 28CNTQ, and 28CNTA							
TX-0903	SWEENY REFINERY	9/14/2021	Emission	Compaunds (VOC)	monitoring programs.							
EPA RACT/BACT/LAER Clearinghouse:	Keyword "Fugitive"	DATE DETERMINATION LAST UPDATED	PROCESS NAME	POLLUTANT	CONTROL METHOD DESCRIPTION	FMISSION LIMIT 1	EMISSION LIMIT 1 LINIT	EMISSION LIMIT 1 AVG TIME CONDITION	EMISSION LIMIT 2	FMISSION LIMIT 2 LINIT	EMISSION LIMIT 2 AVGERAGE TIME CONDITION	POLITIANT COMPLIANCE NOTES
			Meltshop Baghouse	Malatila Osaania	Good combustion practice and process							
FL-0368	NUCOR STEEL FLORIDA FACILITY	3/4/2022		Compounds (VOC)	control along with a scrap management plan	0.3	LB/TON OF STEEL	3-HOUR AVG	1	LB/HOUR	3-HOUR AVG	
*IA-0117	SHELL ROCK SOY PROCESSING	4/20/2021	Fugitive VOC	Volatile Organic Compounds (VOC)		0.14	GAL/TON	voc				
18.0227	STALL ROCK SOTT ROCKSONYO	7/20/2023		Compounds (voc.)	LDAR BUT LOWER LEAK DEFINITION FOR	0.24	uniq (UN	755				
IL-0115	WOOD RIVER REFINERY	7/5/2016	EQUIPMENT LEAKS/FUGITIVE EMISSIONS	Volatile Organic	VALVES IN G/LL SERVICE (500 PPM) AND PUMP SEALS IN LL (2000 PPM); LOW EMISSION VALVES WHERE APPROPRIATE.							
100113	WOOD NIVER REPIRENT	7/0/2010	EMISSIONS	compounds (voc)	EMISSION VALVES WHERE APPROPRIATE.		,					40 CFR 63 Subpart H plus the
												following:
												b, The Permittee shall monitor affected components to detect leaks by the method specified in 40 CFR G3.18(b)b, except that a more stringers definition of a leak shall apply, i.e., an instrument reading of 500 parts per million or greater from valves in gas and light liquid service and an instrument reading of 2,000 ppm or greater from purps in light liquid
												service shall be considered a leak.  c. The Permittee shall install the following low emission components associated with the affected product tank (Tank 2003):  i.Dual mechanical seals for all pumps
												in gas/vapor or light liquid service as defined by 40 CFR 63.161. II.Low emission valves for all valves in
IL-0119	PHILLIPS 66 PIPELINE LLC	9/14/2016	Equipment Leaks / Fugitive Emissions	Volatile Organic Compounds (VOC)	LDAR	c						gas/vapor or light liquid service as defined by 40 CFR 63.161.
IN-0173	MIDWEST FERTILIZER CORPORATION	5/4/2016	FUGITIVE EMISSIONS FROM EQUIPMENT LEAKS	Volatile Organic Compounds (VOC)	LEAK DETECTION AND REPAIR (LDAR) PROGRAM USING 40 CFR 60, SUBPART VVA PROCEDURES	c	1			o.		
			FUGITIVE VOC	Volatile Organic	USE OF A LEAK DETECTION AND REPAIR (LDAR) PROGRAM USING 40 CFR 60,							
IN-0179	OHIO VALLEY RESOURCES, LLC	5/4/2016	EMISSIONS	Compounds (VOC)	SUBPART VVA PROCEDURES.							
IN-0180	MIDWEST FERTILIZER CORPORATION	5/5/2016	FUGITIVE EMISSIONS FROM EQUIPMENT LEAKS	Volatile Organic Compounds (VOC)	LEAK DETECTION AND REPAIR (LDAR) PROGRAM USING 40 CFR 60, SUBPART VVA PROCEDURES	c	1					
IN-0200	ELI LILLY AND COMPANY-CLINTON LABORATORIES	10.07/8/3	FUGITIVES VOC	Volatile Organic Compounds (VOC)		,						THE FUGITIVES VOC EMISSIONS SHALL BE MINIMIZED BY USE OF A LEAK DETECTION AND REPAIR PROGRAM WHICH REQUIRES TIMELY REPAIRS OF PIPING AND EQUIPMENT COMPONENTS FOUND LEAKING.
			Block 2000 fugitive	Volatile Organic								
IN-0317	RIVERVIEW ENERGY CORPORATION	5/26/2021	emissions	Compounds (VOC)	leak detection and repair (LDAR) program	151.18	TONS	12 CONSECUTIVE MONTHS				40 CFR 60, subpart GGGa
IN-0317	RIVERVIEW ENERGY CORPORATION	5/26/2021	Block 4000 fugitive emissions	Volatile Organic Compounds (VOC)	Leak detection and repair (LDAR) program	25.04	TONS	12 CONSECUTIVE MONTHS				40 CFR 60, subpart GGGa
*IN-0324	MIOWEST FERTILIZER COMPANY LLC	5/12/2022	Fugitive emissions from equipment leaks F-1	Volatile Organic Compounds (VOC)								Fugitive VOC emissions shall be controlled by a Leak Detection and Repair (LDAR) program. The leak detection and repair program specified in 40 CFR 60, Subpart VVa shall serve as BACT for VOC fugitive emissions.

									When equipment is operating as
									affected facilities under 40 CFR 63, Subpart GGG, VOC BACT for equipment leaks is an LDAR program as specified in 40 CFR 63.1255.
									(2)When equipment is operating as affected facilities under 40 CFR 63, Support DO, VOC BACT for equipment leaks is an LDAR program as specified in 40 CFR 63.691.
									(3)When equipment is operating as affected facilities under 40 CFR 63, Subpart FFFF, VOC BACT for equipment leaks is an LDAR program as specified in 40 CFR 63,2480.
									(4)When equipment is operating as affected facilities under 40 CFR 63 Subparts F, G, or H, VOC BACT for equipment leaks is an LDAR program as specified in 40 CFR 63, Subpart H.
*IN-0345	EVONIK CORPORATION TIPPECANCE LABORATORIES	Bulk Ch Manuf. 3/23/2022 Leaks/f	Chemical  If. Equipment Volatile Organ  /Fugitive Compounds (*)		0	MONTHLY SENSORY BASED MONITORING	0		(5)The VOC BACT for equipment leaks for connectors in on-site waste service is an LDAR program as specified in 40 CFR 63, Subpart H, except connector
KY-0112	WESTLAKE VINIYS, INC PVC PLANT		ve Equipment Volatile Organ	includes: proper labeling and following the requirements in 40 CFR 63, Subpart UU and following good work practices including: 1. Construction of new and reworked piping. 2. Accordance of the control o			0		For pumps subject to 401 KAR \$1.017, the permittee shall install leakless pumps with dual mechanical seakles pumps with dual mechanical seakle or within a harrise fluid to reduce leaks. It is leakless pump is not feasible, more than the state of the st
NOULZ	WESTAKE VINTS, INC. FPG. POINT		(EVAD) Compounds	Justice settlement of solution report by againg an enduder. In enduder, and following the measurements in 40 CFR 60, Support VM enduder of solutioning good soon practices including:  Loostruction of new and reworked piping.  Loostruction of new and reworked piping.  Loostruction of new and reworked piping.  American Nacional Standards institution (1994), American Scalesy of Merchanical Engineers (ASME), or equivalent codes based on the material.  Low and reworked buried connectors shall be wedled.  To the extent rule good engelerating with the second of the control of t					For pumps subject to 401 KAR 55,037, the pumps subject to 401 KAR 55,037, the pumpines shall install leakless pumps with data mechanical seals or with a barrier fluid to reduce leaks. I aleakless pump is not describe, the permittee shall submit justfleation as to to technical inferability.  Connectors shall be inspected by considerability with the shall shall be shall be shall be shall shall be shall shall be shall shall be shall b
KY-0113	WESTLAKE CHEMICAL OPCO, LP	4/6/2021 Plant Fi	(Va) Ethylene Volatile Organ Fugitives Compounds (	be repaired until a scheduled shutdown shall DC) be identified for such repair by tagging.	0		0		monitored annually with an approved gas analyzer.

			includes:					
			proper labeling and following					
			requirements in 40 CFR 60, Sui following good work practices					
			1.Construction of new and rev					
			valves, pump systems, and cor					
			systems shall conform to appli	le				
			American National Standards I					
			(ANSI), American Petroleum In					For pumps subject to 401 KAR 51:017,
			American Society of Mechanic					the permittee shall install leakless
			(ASME), or equivalent codes be material.	d on the				pumps with dual mechanical seals or with a barrier
			2. New and reworked buried o	nactors				fluid to reduce leaks. If a leakless pump
			shall be welded.	necos s				is not
			3. To the extent that good eng	ering				feasible, the permittee shall submit
			practice will permit, new and r	orked				justification as to its technical
			valves and piping connections	II be				Infeasibility.
			reasonably accessible for leak	cking				
			during plant operation. 4. Damaged, leaking, or severe					Connectors shall be inspected by visual, audible, and/or olfactory means
			valves, connectors, compresso					at least weekly by operating personnel
			agitator seals, and pump seals					walk-through.
			visual inspection to be leaking					
			fluids) shall be tagged and rep	ed or				In addition, all connectors in gas\vapor
		EUN 025B (EPN FUG						and light liquid service shall be
		ETH) Ethylene Plant	Volatile Organic be repaired until a scheduled s	tdown				monitored annually with an approved
KY-0113	WESTLAKE CHEMICAL OPCO, LP	4/6/2021 Fugitives	Compounds (VOC) shall be identified for such rep	by tagging.		0		gas analyzer.
			includes:					
1			proper labeling and following requirements in 40 CFR 63, Sui	rt VV and	1			
			Subpart UU and following goo		I			
			practices including:					
			1.Construction of new and rev	ed piping,				
			valves, pump systems, and cor	essor				
			systems shall conform to appli					
			American National Standards I (ANSI), American Petroleum In					For pumps subject to 401 KAR 51:017, the permittee shall install leakless
			American Society of Mechanic					pumps with
			(ASME), or equivalent codes by					dual mechanical seals or with a barrier
			material.					fluid to reduce leaks. If a leakless pump
			2. New and reworked buried of	nectors				is not
			shall be welded.					feasible, the permittee shall submit
			3. To the extent that good eng					justification as to its technical
			practice will permit, new and r					infeasibility.
			valves and piping connections reasonably accessible for leak					Connectors shall be inspected by
			during plant operation.	CATING				visual, audible, and/or olfactory means
			4. Damaged, leaking, or severe	usted				at least weekly by operating personnel
			valves, connectors, compresso	als,				walk-through.
			agitator seals, and pump seals					
			visual inspection to be leaking					In addition, all connectors in gas\vapor
		EU# 025 (EPN FUG- ETH-YY) Ethylene	fluids) shall be tagged and rep Volatile Organic repaired. All leaking componer					and light liquid service shall be monitored annually with an approved
KY-0113	WESTLAKE CHEMICAL OPCO, LP	4/6/2021 Plant Fugitives	Compounds (VOC) be repaired until a scheduled s					gas analyzer.
	The same and a series of say of	47 OV ZOZZ T. ISTIC POBICIVES	MACT H LDAR program as requ			-		gen array yabet.
			regulations, and promptly rep					
			leaking components in accords	e with the				
			LDAR plan.					
			2.Leak is defined as a reading	00 ppmw.				
			3. The permittee will install lea					
			with dual mechanical seals or fluid to reduce leaks, as possib	n a barrier				
			fluid to reduce leaks, as possib pump is not feasible, the perm					
			pump is not leasible, the perm submit justification as to its te					
			infeasibility.					
			4.The permittee will monitor n	non-				
			leakless pumps to a leak detec	threshold				
			of 500 ppm.					
			5. The permittee will utilize Go	Work				
			Practices.					
			Good work practices include:					
			1.Construction of new and rev	red				
			piping, valves, pump systems,					
			compressor systems shall conf	n to				
			applicable American National					
			Institute (ANSI), American Petr					
		FUG-MON-H	Institute (API), American Socie					
			Mechanical Engineers (ASME), Volatile Organic codes based on the material.	equivalent				
KY-0114	WESTLAKE VINYLS, INC VINYLS PLANT	4/6/2021 Fugitives	Compounds (VOC) 2.New and reworked buried co	ectors		0		
		70,2001, 00,000						