Table 3-1 Leachate Study Summary Statistics and Comparison with Screening Criteria
Part II - Remedial Investigation Report
The Dow Chemical Company, Michigan Operations

							Summary	/ Statistics					Co	mparison to S	creening Crite	ia	
Analyte	CAS Number	Unit	Matrix	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs	Residential DW Protection	Percent Exceed (Detect)	Percent Exceed (Non- detect)	GSI Protection	Percent Exceed (Detect)	Percent Exceed (Non- detect)
Arsenic	7440-38-2	ug/Kg	Soil	28	100%	4,719	10,262	430	56,000	-	-	11,290*	7%	0%	11,290*	7%	0%
Arsenic	7440-38-2	ug/L	Water	28	100%	6.09	5.55	1.1	28	-	-	10	14%	0%	10	14%	0%
Boron	7440-42-8	ug/Kg	Soil	28	100%	4,148	2,600	830	11,000	-	-	10,000	7%	0%	100,000	0%	0%
Boron	7440-42-8	ug/L	Water	28	100%	48.1	23.5	18	140	-	-	500	0%	0%	5,000	0%	0%
Chromium, Hexavalent	18540-29-9	ug/Kg	Soil	28	0%	-	-	-	-	0.25	0.25	30,000	0%	0%	3,300	0%	0%
Chromium, Hexavalent	18540-29-9	ug/L	Water	28	4%	2.68	3.59	21	21	0.004	0.004	100	0%	0%	11	4%	0%
Cyanide, Total	57-12-5	ug/Kg	Soil	28	93%	88.7	70.0	16	240	0.012	0.012	4,000	0%	0%	390*	0%	0%
Cyanide, Total	57-12-5	ug/L	Water	28	46%	2.73	2.45	4.6	5.8	0.001	0.001	200	0%	0%	5.2	25%	0%
Fluoranthene	206-44-0	ug/Kg	Soil	28	79%	176	458	15	2,400	12	12	730,000	0%	0%	5,500	0%	0%
Fluoranthene	206-44-0	ug/L	Water	28	0%	-	-	-	-	0.77	0.77	210	0%	0%	1.6	0%	0%
Hexachlorobenzene	118-74-1	ug/Kg	Soil	28	7%	194	785	1,300	4,000	9.1	9.1	1,800	4%	0%	350	7%	0%
Hexachlorobenzene	118-74-1	ug/L	Water	28	0%	-	-	-	-	0.1	0.1	1	0%	0%	0.2	0%	0%
Hexachlorobutadiene	87-68-3	ug/Kg	Soil	28	4%	9.05	25.66	140	140	8.4	8.4	26,000	0%	0%	91	4%	0%
Hexachlorobutadiene	87-68-3	ug/L	Water	28	0%	-	-	-	-	0.12	0.12	15	0%	0%	0.053	0%	100%
Lithium	7439-93-2	ug/Kg	Soil	28	100%	5,907	3,927	1,100	16,000	-	-	12,500*	7%	0%	12,500*	7%	0%
Lithium	7439-93-2	ug/L	Water	28	100%	13.5	15.6	0.78	67	-	-	170	0%	0%	440	0%	0%
Methylene chloride	75-09-2	ug/Kg	Soil	28	0%	-	-	-	-	0.24	0.25	100	0%	0%	30,000	0%	0%
Methylene chloride	75-09-2	ug/L	Water	28	32%	1.74	2.96	1.2	9.2	0.19	0.19	5	18%	0%	1,500	0%	0%
Pentachlorophenol	87-86-5	ug/Kg	Soil	28	14%	120	491	41	2,600	15	15	22	14%	0%	17,000	0%	0%
Pentachlorophenol	87-86-5	ug/L	Water	28	4%	0.249	1.029	5.5	5.5	0.11	0.11	1	4%	0%	1.8	4%	0%
Selenium	7782-49-2	ug/Kg	Soil	28	100%	474	142	160	790	-	-	4,000	0%	0%	770*	4%	0%
Selenium	7782-49-2	ug/L	Water	28	25%	0.566	0.377	0.88	1.7	0.00073	0.00073	50	0%	0%	5	0%	0%
Strontium	7440-24-6	ug/Kg	Soil	28	100%	39,071	46,205	2,200	220,000	-	-	92,000	11%	0%	420,000	0%	0%
Strontium	7440-24-6	ug/L	Water	28	100%	56.6	54.6	3.9	220	-	-	4,600	0%	0%	21,000	0%	0%
Toluene	108-88-3	ug/Kg	Soil	28	7%	10.6	47.7	45	250	0.23	0.23	16,000	0%	0%	5,400	0%	0%
Toluene	108-88-3	ug/L	Water	28	75%	36.1	109.4	0.13	420	0.12	0.12	790	0%	0%	270	7%	0%
Xylenes, Total	1330-20-7	ug/Kg	Soil	28	4%	4.27	20.72	110	110	0.71	0.71	5,600	0%	0%	820	0%	0%
Xylenes, Total	1330-20-7	ug/L	Water	28	21%	1.58	4.18	0.49	19	0.29	0.29	280	0%	0%	41	0%	0%
Zinc	7440-66-6	ug/Kg	Soil	28	100%	44,564	64,664	4,800	350,000	-	-	2,400,000	0%	0%	220,000**	4%	0%
Zinc	7440-66-6	ug/L	Water	28	100%	121	428	7.8	2,300	-	-	2,400	0%	0%	220**	4%	0%

Notes:

There are no field duplicates in this data set.

Nondetects were substituted by half of reporting limit (RL) for the computation of summary statistics.

Laboratory QAQC results are not included.

^{* =} Statewide Default Background Level or Regional Background Screening Level was used for criteria, per R 299.5750(B).

** = Generic facility-specific Part 201 Groundwater Surface Water Interface (GSI) and Soil GSI Protection Criteria were calculated for zinc using hardness data collected from receiving waters.

Table 3-2 Northeast Plant Perimeter Well Dow Shallow Groundwater Data Summary Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

			Monitor Well	4363	4363	4363	4363	4363	4363	6176	6176	6176	MW-10	MW-10	MW-10	4355	4355	4355
			Lab Sample ID	240-28946-1	240-28946-2	240-28946-5	240-28978-1	DRY	240-31891-6	240-28784-1	240-30477-2	240-31891-5	240-28790-3	240-30477-3	240-31891-7	240-28784-2	240-30477-4	240-31891-8
		GSI	Sample Date	9/6/2013	9/7/2013	9/7/2013	9/10/2013	10/18/2013	11/22/2013	9/5/2013	10/18/2013	11/22/2013	9/4/2013	10/18/2013	11/22/2013	9/5/2013	10/18/2013	11/25/2013
	Res. DW GW	Protection																
	Criteria	Criteria																
Analyte	(ug/L)	(ug/L)		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
VOCs																		
Methylene chloride	5	1500		ND (<5.0)	NS	NS	NS	NS	ND (<5.0)									
Toluene	790	270		ND(<1.0)	NS	NS	NS	NS	ND(<1.0)	ND (<1.0)	ND (<1.0)	ND(<1.0)						
m-Xylene & p-Xylene ¹	280	41		ND (<2.0)	NS	NS	NS	NS	ND (<2.0)									
o-Xylene ¹	280	41		ND (<1.0)	NS	NS	NS	NS	ND (<1.0)									
Total Cyanide	200	5.2		ND (<5.0)	NS	NS	NS	NS	ND (<5.0)	5.5 B	ND (<5.0)	5.5						
Metals																		
Arsenic	10	10		NS	7.1	NS	NS	NS	ND (<1.0)	2.4	2.8	2.0	1.8	ND (<1.0)	ND (<1.0)	1.1	1.6	1.7
Chromium VI	100	11		NS	NS	ND (<1.0)	NS	NS	ND (<1.0)	3.2								
Selenium	50	5		NS	ND (<2.0)	NS	NS	NS	ND (<2.0)	2.4	3.6	4.5						
Chlorinated Herbicides																		
Pentachlorophenol	1	2.8		NS	NS	NS	ND (<1.0)	NS	ND (<1.0)									

 $^{^{\}rm 1}$ Residential Drinking Water Criteria and GSI Protection Criteria reported for Total Xylenes.

Result is detected.

BOLD & SHADED Result is detected at a concentration greater than a screening criteria.

Not Sampled - Well was dry and sample was not collected.

NS B Compound was found in the blank and sample

Table 3-2 Northeast Plant Perimeter Well Dow Shallow Groundwater Data Summary Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

			Monitor Well	4355	4355	4355	4355	4355	4355	4355	4355	6177	6177	6177
			Lab Sample ID	240-38327-1	240-38327-2	240-38327-3	240-38327-4	240-40314-1	240-40314-2	240-40314-3	240-40314-4	240-28790-2	240-30477-5	240-31891-9
		GSI	Sample Date	6/6/2014	6/6/2014	6/6/2014	6/6/2014	8/1/2014	8/1/2014	8/1/2014	8/1/2014	9/4/2013	10/18/2013	11/25/2013
	Res. DW GW	Protection												
	Criteria	Criteria												
Analyte	(ug/L)	(ug/L)		(ug/L)										
VOCs														
Methylene chloride	5	1500		NS	ND (<5.0)	ND (<5.0)	ND (<5.0)							
Toluene	790	270		NS	ND(<1.0)	ND(<1.0)	ND(<1.0)							
m-Xylene & p-Xylene ¹	280	41		NS	ND (<2.0)	ND (<2.0)	ND (<2.0)							
o-Xylene ¹	280	41		NS	ND (<1.0)	ND (<1.0)	ND (<1.0)							
Total Cyanide	200	5.2		16	13	13	12	16	15	6.5	18	ND (<5.0)	ND (<5.0)	ND (<5.0)
Metals														
Arsenic	10	10		NS	1.6	2	1.8							
Chromium VI	100	11		NS	ND (<1.0)	ND (<1.0)	ND (<1.0)							
Selenium	50	5		NS	2.1	ND (<2.0)	2							
Chlorinated Herbicides														
Pentachlorophenol	1	2.8		NS	ND (<1.0)	ND (<1.0)	ND (<1.0)							

 $^{\,1}$ Residential Drinking Water Criteria and GSI Protection Criteria reported $\mathfrak{f}_{\rm I}$

BOLD Result is detected.

Result is detected at a concentration greater the NS Not Sampled - Well was dry and sample was not B Compound was found in the blank and sample

Table 3-2 Northeast Plant Perimeter Well Dow Shallow Groundwater Data Summary Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

			Monitor Well	5385	5385	5385	5385	5385	5385	5385	5385	5385	5385	5385
			Lab Sample ID	240-28790-1	240-30433-3	240-31891-10	240-38327-5	240-38327-6	240-38327-7	240-38327-8	240-40314-5	240-40314-6	240-40314-7	240-40314-8
		GSI	Sample Date	9/4/2013	10/17/2013	11/25/2013	6/6/2014	6/6/2014	6/6/2014	6/6/2014	8/1/2014	8/1/2014	8/1/2014	8/1/2014
	Res. DW GW	Protection												
	Criteria	Criteria												
Analyte	(ug/L)	(ug/L)		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
VOCs														
Methylene chloride	5	1500		ND (<5.0)	ND (<5.0)	ND (<5.0)	NS							
Toluene	790	270		ND(<1.0)	ND(<1.0)	ND(<1.0)	NS							
m-Xylene & p-Xylene ¹	280	41		ND (<2.0)	ND (<2.0)	ND (<2.0)	NS							
o-Xylene ¹	280	41		ND (<1.0)	ND (<1.0)	ND (<1.0)	NS							
Total Cyanide	200	5.2		560	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Metals														
Arsenic	10	10		1.8	1.5	1.4	NS							
Chromium VI	100	11		ND (<1.0)	ND (<1.0)	ND (<1.0)	NS							
Selenium	50	5		ND (<2.0)	ND (<2.0)	ND (<2.0)	NS							
Chlorinated Herbicides														
Pentachlorophenol	1	2.8		ND (<1.0)	ND (<1.0)	ND (<1.0)	NS							

 $^{^{\,1}}$ Residential Drinking Water Criteria and GSI Protection Criteria reported $\mathfrak{f}_{\rm I}$

BOLD Result is detected.

Result is detected at a concentration greater the NS Not Sampled - Well was dry and sample was not B Compound was found in the blank and sample

Table 3-3 Southwest Plant Perimeter Well Dow Shallow Groundwater Data Summary Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

			Monitor Well	8817	8817	8817	8818	8818	8818	8874	8874	8874	8875	8875	8875
			Lab Sample ID	240-29258-1	240-30433-1	240-31891-1	240-29258-2	240-30477-1	240-31981-4	240-28790-4	240-30433-2	240-31891-3	240-28784-3	240-30433-4	240-31891-2
		GSI	Sample Date	9/16/2013	10/17/2013	11/21/2013	9/18/2013	10/18/2013	11/22/2013	9/4/2013	10/17/2013	11/21/2013	9/5/2013	10/17/2013	11/21/2013
	Res. DW GW	Protection													
	Criteria	Criteria													
Analyte	(ug/L)	ug/L)		(ug/L)											
VOCs															
Methylene chloride	5	1500		ND (<5.0)											
Toluene	790	270		ND (<1.0)											
m-Xylene & p-Xylene ¹	280	41		ND (<2.0)											
o-Xylene ¹	280	41		ND (<1.0)											
Total Cyanide	200	5.2		ND (<5.0)											
Metals															
Arsenic	10	10		ND (<1.0)	ND (<1.0)	ND (<1.0)	1.1	ND (<1.0)	ND (<1.0)	2.4	3.5	1.1	3.3	1.6	1.6
Chromium VI	100	11		ND (<1.0)	1.8										
Selenium	50	5		ND (<2.0)	ND (<2.0)	2.0	ND (<2.0)								
Chlorinated Herbicides															
Pentachlorophenol	1	2.8		ND (<1.0)											

 $^{^{1}}$ Residential Drinking Water Criteria and GSI Protection Criteria reported for Total Xylenes.

Result is detected.

Table 3-4 Northeast Plant Perimeter Well MDEQ Shallow Groundwater Data Summary Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

			Monitor Well	MW-10	4355	6177	5385	5385	5385
			Lab Sample ID	1309040-02	1408022-01	1309040-03	1309040-01	1310122-01	1408022-02
	Res. DW GW	GSI Protection	Sample Date	9/4/2013	8/1/2014	9/4/2014	9/4/2013	10/17/2013	8/1/2014
	Criteria	Criteria							
Analyte	(ug/L)	(ug/L)		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
VOCs									
Methylene chloride	5	1500		ND (<5.0)	NS	ND (<5.0)	ND (<5.0)	ND (<5.0)	NS
Toluene	790	270		ND(<1.0)	NS	ND(<1.0)	ND(<1.0)	ND(<1.0)	NS
m-Xylene & p-Xylene ¹	280	41		ND (<2.0)	NS	ND (<2.0)	ND (<2.0)	ND (<2.0)	NS
o-Xylene ¹	280	41		ND (<1.0)	NS	ND (<1.0)	ND (<1.0)	ND (<1.0)	NS
Total Cyanide	200	5.2		ND (<5.0)	19	ND (<5.0)	32	18	14
Metals									
Arsenic	10	10		1.5	NS	1.9	1.6	1.8	NS
Chromium VI	100	11		ND (<5.0)	NS	ND (<5.0)	ND (<5.0)	ND (<5.0)	NS
Selenium	50	5		ND (<1.0)	NS	2.0	ND (<1.0)	ND (<1.0)	NS
Chlorinated Herbicides									
Pentachlorophenol	1	2.8		ND (<20)	NS	ND (<21)	ND (<21)	ND (<21)	NS

¹ Residential Drinking Water Criteria and GSI Protection Criteria reported for Total Xylenes.

BOLD Result is detected.

BOLD & SHADED Result is detected at a concentration greater than a screening criteria.

NS Not Sampled - Well was dry and sample was not collected.

Table 3-5 Southwest Plant Perimeter Well MDEQ Shallow Groundwater Data Summary Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

			Monitor Well	8874	8874R	8875	8875R
		GSI	Lab Sample ID	1309040-04	1309040-06	1310122-02	1310122-03
	Res. DW GW	Protection	Sample Date	9/4/2013	9/4/2013	10/17/2013	10/17/2013
	Criteria	Criteria					
Analyte	(ug/L)	ug/L)		(ug/L)	(ug/L)	(ug/L)	(ug/L)
VOCs							
Methylene chloride	5	1500		ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Toluene	790	270		ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
m-Xylene & p-Xylene ¹	280	41		ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
o-Xylene ¹	280	41		ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Total Cyanide	200	5.2		ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Metals							
Arsenic	10	10		2.0	1.9	1.5	1.5
Chromium VI	100	11		ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Selenium	50	5		ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Chlorinated Herbicides							
Pentachlorophenol	1	2.8		ND (<21)	ND (<20)	ND (<20)	ND (<20)

¹ Residential Drinking Water Criteria and GSI Protection Criteria reported for Total Xylenes.

BOLD Result is detected.

					N	Number of Samples	S						Summary Statistic	cs			
Analyte Group	Analyte	CAS Number	Unit	No. of Samples from 2005/6 Dow On-Site	No. of Samples from 2006 COM Blind	No. of Samples from 2010 Dow	No. of Samples from 2010 MDEQ	Total No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Max Detected Value (Off-site)	Min RL of NDs	Max RL of NDs	Max RL of NDs (Off-site)
Cyanide	Cyanide, Total	57-12-5	ug/kg	0	72	99	33	204	86.3%	148	153	10.625	863	863	6.6	610	610
Herbicides Herbicides	2,4,5-T (Trichlorophenoxyacetic Acid) 2,4-D (Dichlorophenoxyacetic Acid)	93-76-5 94-75-7	ug/kg ug/kg	0	72 72	0	0	72 72	1.4% 15.3%	1.39 5.83	1.36 15.39	12.6275 7.4375	12.6275 83.8	12.6275 83.8	2.17 1.79	5.58 4.61	5.58 4.61
Herbicides	Silvex (2.4.5-TP)	93-72-1	ug/kg ug/kg	0	72	0	0	72	0.0%	5.65	15.59	7.4373			1.89	4.86	4.86
Mercury	Mercury	7439-97-6	ug/kg	23	72	99	33	227	85.5%	72.5	245.6	9.4	3,440	740	3.9	62.4	50
Metals	Aluminum	7429-90-5	ug/kg	23	0	99	33	155	100.0%	3,091,331	2,486,965	416,874	14,200,000	12,000,000			
Metals Metals	Antimony Arsenic	7440-36-0 7440-38-2	ug/kg ug/kg	0 23	72 72	99 99	33 33	204 227	23.0% 97.4%	263 4,614	604 5,647	14 195	4,530 59,200	4,530 38,029	150 194	1,470 785	1,470 785
Metals	Barium	7440-39-3	ug/kg	23	72	0	33	128	100.0%	38,856	22,224	7,620	137,000	120,000			
Metals	Beryllium	7440-41-7	ug/kg	23	72	0	33	128	92.2%	293	196	42.625	1,170	1,110	35	580	47
Metals Metals	Boron Cadmium	7440-42-8 7440-43-9	ug/kg	0	0	99	33	132 128	99.2% 75.8%	8,986	3,728	970	22,627	22,627	9,200	9,200	9,200
Metals	Calcium	7440-43-9	ug/kg ug/kg	23 23	72 0	0	33 0	23	100.0%	282 97,044,130	276 80,734,405	32.6 4,140,000	1,570 269,000,000	990	15 	872	872
Metals	Chromium	7440-47-3	ug/kg	23	72	99	33	227	100.0%	9,614	7,351	783	60,700	46,700			
Metals	Chromium VI	18540-29-9	ug/kg	23	0	0	0	23	13.0%	711	889	863	4,610		810	1,100	
Metals Metals	Cobalt Copper	7440-48-4 7440-50-8	ug/kg ug/kg	23 23	72 72	99 0	33 33	227 128	100.0% 100.0%	2,385 18.330	1,190 19.492	402 2.000	7,420 183.000	7,420 54.900			
Metals	Iron	7439-89-6	ug/kg	23	0	0	33	56	100.0%	8,036,518	5,803,437	2,100,000	30,200,000	14,000,000			
Metals	Lead	7439-92-1	ug/kg	23	72	99	33	227	100.0%	29,563	53,681	1,483	666,000	666,000			
Metals	Lithium	7439-93-2	ug/kg	23	0	99	33	155	100.0%	6,075	3,423	1,040	16,570	16,570			
Metals Metals	Magnesium Manganese	7439-95-4 7439-96-5	ug/kg ug/kg	23 23	0	99 99	33 33	155 155	100.0% 100.0%	3,142,780 88,932	2,943,442 69,842	177,576 10,091	15,521,500 547,757	15,521,500 547,757			
Metals	Molybdenum	7439-98-7	ug/kg	23	0	0	33	56	60.7%	2,284	3,409	96	2,000	2,000	4,055	23,200	
Metals	Nickel	7440-02-0	ug/kg	23	72	99	0	194	99.5%	9,465	15,219	1,670	209,000	20,953	350	350	350
Metals Metals	Potassium Selenium	7440-09-7 7782-49-2	ug/kg ug/kg	23 23	72	0 99	0 33	23 227	91.3% 33.5%	784,707 375	436,782 578	235,500 120	1,830,000 5,720	 5,720	496,500 80	580,000 1,180	1,180
Metals	Silver	7440-22-4	ug/kg	23	72	99	33	227	13.7%	64.2	131.0	25	1.680	1.680	50.8	580	132
Metals	Sodium	7440-23-5	ug/kg	23	0	0	33	56	60.7%	203,987	290,770	42,000	1,940,000	220,000	101,000	600,000	600,000
Metals	Strontium		ug/kg	23	0	99	33	155	100.0%	32,451	39,291	2,100	201,919	201,919			
Metals Metals	Thallium Thorium	7440-28-0 7440-29-1	ug/kg ug/kg	23	72	99	33 33	227 33	15.4% 93.9%	162 2.072	148 1,926	35 440	230 3.300	230 3.300	101 17,000	4,360 19.000	990 19.000
Metals	Tin		ug/kg	0	72	99	0	171	6.4%	1,511	12,254	532	158,000	158,000	484	2,610	2,610
Metals	Titanium	7440-32-6	ug/kg	23	0	0	0	23	100.0%	129,535	75,383	48,700	427,000				
Metals Metals	Vanadium Zinc	7440-62-2 7440-66-6	ug/kg ug/kg	23 23	72 72	0	33 33	128 128	100.0% 83.6%	11,856 60,643	7,319 97,091	2,250 4,800	74,000 798,500	74,000 190,000	 56.1	 165.9	165.9
PCBs	PCBs, Total		ug/kg	23	72	0	33	128	57.8%	482	3,189	38	2,240	1,236	170	72,000	370
Pesticides	4,4'-DDD		ug/kg	23	72	0	33	128	30.5%	10.9	38.9	0.77575	345	345	0.631	180	180
Pesticides	4,4'-DDE	72-55-9	ug/kg	23	72	0	33	128	57.0%	51.9	238.0	1.115	2,400	2,400	0.829	28	12
Pesticides Pesticides	4,4'-DDT Aldrin	50-29-3 309-00-2	ug/kg ug/ka	23	72 72	0	33 33	128 128	51.6% 3.1%	45.6 4.34	213.1 8.67	1.04 0.799	1,741 3.04	1,741 3.04	0.957 0.638	28 180	12 180
Pesticides	alpha-BHC	319-84-6	ug/kg	23	72	99	33	227	4.8%	5.05	12.75	0.909	150	11	0.808	180	180
Pesticides	Beta BHC	319-85-7	ug/kg	23	72	0	33	128	3.9%	4.94	9.15	1.55	29.7	29.7	0.872	180	180
Pesticides	Chlordane, Total	57-74-9	ug/kg	23	72	99	33	227	6.2%	18.9	37.8	2.49 0.995	327	327 4	0.851	180	180
Pesticides Pesticides	Delta BHC Dieldrin	319-86-8 60-57-1	ug/kg ug/kg	23 23	72 72	0	33 33	128 128	4.7% 10.2%	5.97 4.71	18.61 8.75	1.01	190 21.3	21.3	0.787 0.638	180 180	180 180
Pesticides	Endosulfan sulfate	1031-07-8	ug/kg	23	72	0	33	128	7.8%	6.10	11.24	1.8	46.6	46.6	0.777	180	180
Pesticides	Endosulfan, Total	115-29-7	ug/kg	23	72	0	33	128	58.6%	7.31	11.79	0.522	53.5	42.01	8.9	180	180
Pesticides Pesticides	Endrin Endrin aldehyde	72-20-8 7421-93-4	ug/kg ug/kg	23 23	72 72	0	33 33	128 128	2.3% 1.6%	4.68 4.51	8.78 8.76	7.1 1.51	12.1 9.88	12.1 9.88	0.776 0.797	180 180	180 180
	Endrin alderlyde Endrin ketone	53494-70-5	"	23	0	0	33	56	0.0%	4.51	0.76	1.51	9.00	9.00	8.9	180	180
	Gamma BHC (Lindane)	58-89-9	ug/kg	23	72	0	33	128	2.3%	4.49	9.02	3.2	33	5.93	0.626	180	180
Pesticides	Heptachlor epovide		ug/kg	23	72	0	33	128	0.0%	 5.62	 10.71	0.795	 67	 67	0.638	180	180
Pesticides Pesticides	Heptachlor epoxide Methoxychlor	+	ug/kg ug/kg	23 23	72 72	0	33 33	128 128	15.6% 10.2%	5.62 9.86	10.71 17.75	0.795 2.94	67 48	67 13	0.882 1.06	180 350	180 350
Pesticides	Mirex	2385-85-5	ug/kg	23	0	0	33	56	3.6%	14.6	16.0	37	53		8.9	180	180
Pesticides	Toxaphene		ug/kg	23	72	0	33	128	0.0%						10	7,200	7,200
Pesticides Sulfide	Tris(2,3-dibromopropyl)phosphate Sulfide	·	ug/kg ug/kg	0	72	0	33 0	33 72	0.0% 5.6%	52,740	18,882	79,250	 157,750	 157,750	730 86,000	15,000 226,000	15,000 226,000
SVOCs	(E)-alpha,beta-2,3,4,5,6- Heptachlorostyrene	-	ug/kg ug/kg	0	0	99	0	99	0.0%						30	60	60
SVOCs SVOCs	(E)-beta-2,3,4,5,6-Hexachlorostyrene (Z)-alpha,beta-2,3,4,5,6- Heptachlorostyrene		ug/kg ug/kg	0	0	99 99	0	99 99	0.0% 0.0%						30 30	60 60	60 60
SVOCs	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	ug/kg	0	0	99	0	99	0.0%						30	60	60
SVOCs	1,2,3,4-Tetrachlorobenzene	634-66-2	ug/kg	0	0	99	0	99	11.1%	11.7	4.4	10	30	30	19.8	39.6	39.6
SVOCs	1,2,3-Trichlorobenzene		ug/kg	0	0 72	99	0	99	0.0%						26.4	52.8	52.8
SVOCs SVOCs	1,2,4,5-Tetrachlorobenzene 1,2,4-Trichlorobenzene	95-94-3 120-82-1	ug/kg ug/kg	0 23	72	0 99	0 28	72 150	0.0% 4.0%	127	254	24.5	3.000	 56	8 157	22 2.067	22 480
SVOCs	1,2-Diphenyl-hydrazine	+	ug/kg	0	0	0	33	33	0.0%						330	470	470
SVOCs	1,3-Dinitrobenzene	99-65-0	ug/kg	0	72	99	33	204	0.0%						7.87	470	470
SVOCs SVOCs	1,4-Naphthoquinone 1-Naphthylamine	130-15-4 134-32-7	ug/kg ug/kg	0	72 72	0	0	72 72	0.0%						12 352	31 919	31 919
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					N	lumber of Sample	s						Summary Statistic	s			
Analyte Group	Analyte	CAS Number	Unit	No. of Samples from 2005/6 Dow On-Site	No. of Samples from 2006 COM Blind	No. of Samples	No. of Samples from 2010 MDEQ	Total No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Max Detected Value (Off-site)	Min RL of NDs	Max RL of NDs	Max RL of NDs (Off- site)
SVOCs	2,3,4,5,6-Pentachlorostyrene	14992-81-5	ug/kg	0	0	99	0	99	0.0%						30	60	60
SVOCs	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	0	72	0	0	72	8.3%	21.5	71.9	16	450	450	14	38	38
SVOCs SVOCs	2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	95-95-4 88-06-2	ug/kg ua/ka	23 23	72 72	0	33 33	128 128	3.9% 2.3%	101 105	216 217	20 17	140 29	37 29	8	4,100 4,100	470 470
SVOCs	2,4-Dichlorophenol	120-83-2	ug/kg ug/kg	23	72	0	0	95	0.0%						27	4,100	69
SVOCs	2,4-Dimethylphenol	105-67-9	ug/kg	23	72	0	33	128	0.0%						58	4,100	470
SVOCs	2,4-Dinitrophenol	51-28-5	ug/kg	23	72	0	33	128	0.0%						20	21,000	2,300
SVOCs	2,4-Dinitrotoluene	121-14-2	ug/kg	23	72	0	33	128	0.0%						29	4,100	470
SVOCs	2,6-Dichlorophenol	87-65-0	ug/kg	0	72	0	33	105	0.0%						14	470	470
SVOCs SVOCs	2,6-Dimethylphenol 2,6-Dinitrotoluene	576-26-1 606-20-2	ug/kg ug/kg	0 23	72	99	33 33	227	0.0%						330 6.08	470 4,100	470 470
SVOCs	2-Acetylaminofluorene	53-96-3	ug/kg	0	72	0	0	72	0.0%						14	36	36
SVOCs	2-Chloronaphthalene	91-58-7	ug/kg	23	72	0	33	128	0.0%						26	4,100	470
SVOCs	2-Chlorophenol	95-57-8	ug/kg	23	72	0	33	128	0.0%						27	4,100	470
SVOCs	2-Methylnaphthalene	91-57-6	ug/kg	23	72	0	33	128	32.8%	82.3	144.8	6.0725	1,066	259	8	470	470
SVOCs SVOCs	2-Naphthylamine 2-Nitroaniline	91-59-8 88-74-4	ug/kg	0 23	72 72	0	33	72 128	0.0%						352	919 4,100	919 2,300
SVOCs	2-Nitroarilline 2-Nitrophenol	88-75-5	ug/kg ug/kg	0	72	0	33	105	0.0%						8 10	4,100	470
SVOCs	3,3'-Dichlorobenzidine	91-94-1	ug/kg	0	72	0	0	72	0.0%						60	156	156
SVOCs	3,3'-Dimethylbenzidine	119-93-7	ug/kg	0	72	0	0	72	0.0%						352	919	919
SVOCs	3-Methylcholanthrene	56-49-5	ug/kg	0	72	0	0	72	0.0%						19	49	49
SVOCs	3-Nitroaniline	99-09-2	ug/kg	23	72	0	33	128	0.0%						7	4,100	2,300
SVOCs SVOCs	4,4'-Methylene bis(2-chloroaniline) 4,6-Dinitro-2-methylphenol	101-14-4 534-52-1	ug/kg ug/kg	0 23	72	0	33 33	33 128	0.0%						330 13	470 21.000	470 2,300
SVOCs	4-Aminobiphenyl	92-67-1	ug/kg ug/kg	0	72	0	0	72	0.0%						10	21,000	2,300
SVOCs	4-Bromophenyl phenyl ether	101-55-3	ug/kg	23	72	0	33	128	0.8%	107	216	45	45		13	4,100	470
SVOCs	4-Chloro-3-methylphenol	59-50-7	ug/kg	0	72	0	33	105	0.0%						11	470	470
SVOCs	4-Chloroaniline	106-47-8	ug/kg	0	72	0	33	105	0.0%						44	470	470
SVOCs	4-Chlorophenyl phenyl ether	7005-72-3	ug/kg	23	72	0	33	128	0.8%	105	217	131	131		5	4,100	470
SVOCs SVOCs	4-Nitroaniline 4-Nitrophenol	100-01-6 100-02-7	ug/kg ug/kg	23 23	72 72	0	33 33	128 128	0.0%						41 9	4,100 21,000	2,300 2,300
SVOCs	4-Nitroprierioi 4-Nitroquinoline-1-oxide	56-57-5	ug/kg ug/kg	0	72	0	0	72	0.0%						9	21,000	22
SVOCs	4-tert-Butylphenol	98-54-4	ug/kg	0	0	99	0	99	0.0%						86.658	173	173
SVOCs	5-Nitro-o-toluidine	99-55-8	ug/kg	0	72	0	0	72	0.0%						11	29	29
SVOCs	7,12-Dimethylbenz(a)anthracene	57-97-6	ug/kg	0	72	0	0	72	0.0%						14	36	36
SVOCs	Acenaphthene	83-32-9	ug/kg	23	72	0	33	128	13.3%	79.0	129.5	11	290	134	8	2,300	440
SVOCs	Acenaphthylene	208-96-8	ug/kg	23	72	0	33	128	21.9%	106	250	10	1,600	1,600	8 9	4,100	470
SVOCs SVOCs	Acetophenone Alpha, Alpha Dimethylphenethylamine	98-86-2 122-09-8	ug/kg ug/kg	0	72 72	0	33 0	105 72	8.6% 0.0%	60.3	93.8	30	560	560 	352	470 919	470 919
SVOCs	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	ug/kg	0	0	99	0	99	0.0%						30	60	60
SVOCs	Aniline	62-53-3	ug/kg	0	72	0	33	105	0.0%						46	470	470
SVOCs	Anthracene	120-12-7	ug/kg	23	72	0	33	128	48.4%	96.9	150.1	7.8	810	770	5	440	440
SVOCs	Aramite (Total)	140-57-8	ug/kg	0	72	0	0	72	0.0%						73	190	190
SVOCs	Azobenzene	103-33-3	ug/kg	23	0	0	33	56	3.6%	246	292	18	860		330	4,100	470
SVOCs SVOCs	Benzidine Benzo(a)anthracene	92-87-5 56-55-3	ug/kg	0 23	72	99	33	99 128	7.1% 37.5%	427 159	134 423	239 19	936 3,105	936 3,105	770 6	1,540 410	1,540 410
SVOCs	Benzo(b)fluoranthene	205-99-2	ug/kg ug/kg	23	72	0	33	128	87.5%	248	554	20	4,300	4,300	7	410	410
SVOCs	Benzo(a.h.i)pervlene	191-24-2	ug/kg	23	72	0	33	128	79.7%	197	339	20	2.490	2,490	30	4.100	410
SVOCs	Benzo(k)fluoranthene	207-08-9	ug/kg	23	72	0	33	128	53.9%	159	337	8.6	2,600	1,453	10	470	470
SVOCs	Benzo[a]pyrene	50-32-8	ug/kg	23	72	99	33	227	52.4%	205	471	8.1	3,661	3,661	9	410	410
SVOCs	Benzoic acid	65-85-0	ug/kg	0	0	0	33	33	15.2%	895	184	430	1,500	1,500	1,600	2,300	2,300
SVOCs SVOCs	Benzyl alcohol Benzyl Butyl Phthalate	100-51-6 85-68-7	ug/kg	0	72	0	33 33	105	1.9%	60.0	85.6	22	50	50	8	470	470 470
SVOCs	Benzyl dichloride	98-87-3	ug/kg ug/kg	23 0	72 0	0	33	128 33	15.6% 0.0%	105	207	9.59	815 	317	2,700	4,100 3,800	3,800
SVOCs	beta,beta-2,3,4,5,6-Heptachlorostyrene		ug/kg	0	0	99	0	99	0.0%						30	60	60
SVOCs	Bis(2-Chloroethoxy) methane	111-91-1	ug/kg	23	72	0	33	128	0.0%						5	4,100	470
SVOCs	Bis(2-Chloroethyl) ether	111-44-4	ug/kg	23	72	0	33	128	0.0%						38	4,100	470
SVOCs	bis(2-Chloroisopropyl)ether	39638-32-9	ug/kg	23	0	0	0	23	0.0%						330	4,100	
SVOCs	bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	23	72	0	33	128	62.5%	370	1,317	22.175	11,000	3,080	17	410	410
SVOCs SVOCs	Bisphenol-A Caprolactam	80-05-7 105-60-2	ug/kg ug/kg	0	0	99	33	99 33	0.0%						160 1.600	320 2,300	320 2,300
SVOCs	Carbazole	86-74-8	ug/kg ug/kg	0	0	99	33	132	17.4%	61.5	82.3	8	343	343	19.998	470	470
SVOCs	Chlorobenzilate	510-15-6	ug/kg	0	72	0	0	72	0.0%						20	52	52
SVOCs	Chlorpyrifos	2921-88-2	ug/kg	0	0	99	33	132	0.0%						8.9	180	180
SVOCs	Chrysene	218-01-9	ug/kg	23	72	0	33	128	71.1%	229	543	17.3	3,905	3,905	12	410	410
SVOCs	cis-Nonachlor	5103-73-1	ug/kg	0	0	99	0	99	0.0%						16.665	33.33	33.33
SVOCs	Cresol, Total	MEPH1314	ug/kg	23	72	99	33	227	33.0%	201	352	14	237	237	210	8,200	1,410
SVOCs SVOCs	Diallate (total of cis and trans isomers) Dibenz(a,h)anthracene	2303-16-4 53-70-3	ug/kg ug/kg	23	72 72	0	33	128	0.0%	124	220	 15	745	745	29 33	4,100	77 470
SVOCs	Dibenz(a,n)anthracene Dibenzofuran	132-64-9	ug/kg ug/kg	23	72	99	33	227	10.6%	89.3	154.0	8.47	1,800	240	5	2,300	470
- v U U O	Pipolizolalali	102 07-3	ug/ Ng	20	72	0	33	128	2.3%	156	251	13.2	250	13	6	4,100	930

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						lumber of Sample	es I				T	T	Summary Statistic	cs I		T	
Analyte Group	Analyte	CAS Number	Unit	No. of Samples from 2005/6 Dow On-Site	No. of Samples from 2006 COM Blind	No. of Samples from 2010 Dow	No. of Samples from 2010 MDEQ	Total No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Max Detected Value (Off-site)	Min RL of NDs	Max RL of NDs	Max RL of NDs (Off- site)
SVOCs	Dimethoate	60-51-5	ug/kg	0	72	0	0	72	0.0%						55	143	143
SVOCs	Dimethyl phthalate	131-11-3	ug/kg	23	72	0	33	128	0.8%	109	215	66	66		21	4,100	470
SVOCs SVOCs	Di-n-butyl phthalate	84-74-2 117-84-0	ug/kg ug/ka	23	72	0	33	128	26.6%	121	240	6.9575	750	59	7 7	4,100 4,100	470 19
SVOCs	Di-n-octylphthalate Dinoseb	88-85-7	ug/kg ug/kg	23 0	72 72	0	0	95 72	0.0%						56	146	146
SVOCs	Diphenylamine	122-39-4	ug/kg	15	72	0	0	87	0.0%						29	4,100	75
SVOCs	Disulfoton	298-04-4	ug/kg	0	72	0	0	72	0.0%						9	24	24
SVOCs	Ethyl methanesulfonate	62-50-0	ug/kg	0	72	0	0	72	0.0%						13	33	33
SVOCs	Famphur	52-85-7	ug/kg	0	72	0	0	72	0.0%						30	78	78
SVOCs SVOCs	Fluoranthene Fluorene	206-44-0 86-73-7	ug/kg ug/kg	23 23	72 72	99	33 33	227 128	81.9% 16.4%	401 92.1	1,075 134.6	13.525 6.325	9,270 320	9,270 320	10 6	410 2,300	410 460
SVOCs	Hexabromobenzene	87-82-1	ug/kg ug/kg	8	0	0	0	8	0.0%	92.1	134.0	0.323			330	330	400
SVOCs	Hexabromobiphenyl	HEX - varies	ug/kg	8	0	0	0	8	0.0%						330	330	
SVOCs	Hexachlorobenzene	118-74-1	ug/kg	23	72	99	33	227	15.4%	229	2,156	10	32,000	193	10.3	2,300	470
SVOCs	Hexachlorobutadiene	87-68-3	ug/kg	23	72	99	33	227	1.3%	78.4	170.0	29	640	29	34.3	4,100	470
SVOCs	Hexachlorocyclopentadiene	77-47-4	ug/kg	23	71	0	33	127	0.0%						26	21,000	2,300
SVOCs	Hexachloroethane	67-72-1 70-30-4	ug/kg	23	72 72	0	33	128	0.0%						47 704	4,100 1.840	470 1.840
SVOCs SVOCs	Hexachlorophene Hexachloropropene	1888-71-7	ug/kg ug/kg	0	72	0	0	72 72	0.0%	 					47	1,840	1,840
SVOCs	Indeno(1,2,3-c,d)Pyrene	193-39-5	ug/kg ug/kg	23	72	0	33	128	52.3%	181	368	20	3,110	3,110	25	2,300	440
SVOCs	Isodrin	465-73-6	ug/kg	0	72	0	0	72	0.0%						20	51	51
SVOCs	Isophorone	78-59-1	ug/kg	23	72	0	33	128	0.8%	105	217	120	120		5	4,100	470
SVOCs	Isosafrole	120-58-1	ug/kg	0	72	0	0	72	0.0%						17	45	45
SVOCs	Kepone	143-50-0	ug/kg	0	72	0	0	72	0.0%						1,760	4,590	4,590
SVOCs	Methapyrilene Methyl chlorpyrifos	91-80-5	ug/kg	0	72	0	0	72 99	0.0%	 					41 33	107 66	107
SVOCs SVOCs	Methyl methanesulfonate	5598-13-0 66-27-3	ug/kg ug/kg	0	72	99	0	72	0.0%						20	52	66 52
SVOCs	Nitrobenzene	98-95-3	ug/kg	23	72	99	33	227	0.9%	75.8	165.7	34	69	69	36.3	4.100	470
SVOCs	n-Nitrosodiethylamine	55-18-5	ug/kg	0	72	0	0	72	0.0%						19	49	49
SVOCs	n-Nitrosodimethylamine	62-75-9	ug/kg	23	72	0	33	128	0.0%						42	4,100	470
SVOCs	N-Nitroso-di-n-butylamine	924-16-3	ug/kg	0	72	0	0	72	0.0%						10	27	27
SVOCs	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	23	72	0	33	128	0.0%						8	4,100	470
SVOCs	n-Nitrosodiphenylamine	86-30-6	ug/kg	23	72	0	33	128	1.6%	107	216	130	160	130	12	4,100	470
SVOCs SVOCs	n-Nitrosomethylethylamine n-Nitrosomorpholine	10595-95-6 59-89-2	ug/kg ug/kg	0	72 72	0	0	72 72	0.0%						16 19	42 49	42 49
SVOCs	n-Nitrosopiperidine	100-75-4	ug/kg	0	72	0	0	72	0.0%						11	30	30
SVOCs	n-Nitrosopyrrolidine	930-55-2	ua/ka	0	72	0	0	72	0.0%						352	919	919
SVOCs	O,O,O-Triethyl Phosphorothioate	126-68-1	ug/kg	0	72	0	0	72	0.0%						10	26	26
SVOCs	O,O-Diethyl O-2-Pyrazinyl Phosphorothioate (Thionazin)	297-97-2	ug/kg	0	72	0	0	72	0.0%						18	48	48
SVOCs	o,p'-DDD	53-19-0	ug/kg	0	0	99 99	0	99 99	0.0%	9.32	2.61	12			17.6 16.665	35.2	35.2 33.33
SVOCs SVOCs	Octachlorostyrene o-Phenylphenol	29082-74-4 90-43-7	ug/kg ug/kg	0	0	99	0	99	3.0% 6.1%	9.32 48.1	21.6	31	14 215	14 215	83.325	33.33 167	167
SVOCs	o-Toluidine	95-53-4	ug/kg	0	72	0	0	72	0.0%						352	919	919
SVOCs	Parathion, Ethyl (Parathion)	56-38-2	ug/kg	0	72	0	0	72	0.0%						18	47	47
SVOCs	Parathion, Methyl	298-00-0	ug/kg	0	72	0	0	72	0.0%						12	31	31
SVOCs	p-Dimethylaminoazobenzene	60-11-7	ug/kg	0	72	0	0	72	0.0%						13	33	33
SVOCs	Pentachlorobenzene	608-93-5	ug/kg	0	72	0	33	105	0.0%						28	470	470
SVOCs	Pentachloronitrobenzene Pentachloronhanol	82-68-8	ug/kg	0	72	0	0	72	0.0%			3	 755	404	20 17	51 21,000	51 2.300
SVOCs SVOCs	Pentachlorophenol Pentochlorethane	87-86-5 76-01-7	ug/kg ug/kg	23 0	72 72	99	33	72 72	15.0% 0.0%	283	863	3	755 	404	12	21,000 31	2,300 31
SVOCs	Phenacetin	62-44-2	ug/kg	0	72	0	0	72	0.0%						12	32	32
SVOCs	Phenanthrene	85-01-8	ug/kg	23	72	99	33	227	52.4%	298	971	8.86	8,938	8,938	6	420	420
SVOCs	Phenol	108-95-2	ug/kg	23	72	0	33	128	21.9%	70.2	147.6	21	1,200	121	7	460	460
SVOCs	Phorate	298-02-2	ug/kg	0	72	0	0	72	0.0%						9	24	24
SVOCs	p-Phenylenediamine	106-50-3	ug/kg	0	72	0	0	72	0.0%						29	75	75
SVOCs	Pronamide	23950-58-5	ug/kg	0	72	0	0	72	0.0%			16.166	 16 166	 16 166	11	29	29
SVOCs SVOCs	Propachlor Pyrene	1918-16-7 129-00-0	ug/kg ug/kg	0 15	72	99	33	99 120	1.0% 85.8%	14.7 289	4.0 891	16.166 15	16.166 7,985	16.166 7,985	26.664 17	53.328 360	53.328 350
SVOCs	Pyridine	110-86-1	ug/kg ug/kg	0	72	0	33	120	0.0%	289	891		7,985	7,985	53	930	930
SVOCs	Ronnel	299-84-3	ug/kg	0	0	99	0	99	0.0%						37.4	74.8	74.8
SVOCs	Safrole	94-59-7	ug/kg	0	72	0	0	72	0.0%						15	39	39
SVOCs	Sym-Trinitrobenzene	99-35-4	ug/kg	0	72	0	0	72	0.0%						352	919	919
SVOCs	Tetraethyl Dithiopyrophosphate (Sulfotepp)	3689-24-5	ug/kg	0	72	0	0	72	0.0%						704	1,840	1,840
SVOCs	trans-Nonachlor	39765-80-5	ug/kg	0	0	99	0	99	0.0%						23.331	46.662	46.662
VOCs	1,1,1,2-Tetrachloroethane	630-20-6	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs VOCs	1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	71-55-6 79-34-5	ug/kg ug/kg	23 23	72 72	0	28 28	123 123	0.0%						0.5 0.5	480 480	480 480
	1,1,2-Trichloroethane	79-34-5	ug/kg ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	,., <u>-</u>	, 0 00 0	ug/ng	20	16						ļ	+		ł		700	+
VOCs VOCs	1,1,2-Trichlorotrifluoroethane	76-13-1	ug/kg	0	0	0	28	28	0.0%						720	1,900	1,900
	1,1,2-Trichlorotrifluoroethane 1,1-Dichloroethane	76-13-1 75-34-3	ug/kg ug/kg	0 23	0 72	0	28 28	28 123	0.0%						720 0.5	1,900 480	1,900 480

	1			•		l (0 l -							Output Otation	-			
						lumber of Sample						1	Summary Statistic	es e e e e e e e e e e e e e e e e e e			
Analyte Group	Analyte	CAS Number	Unit	No. of Samples from 2005/6 Dow On-Site	No. of Samples from 2006 COM Blind	No. of Samples from 2010 Dow	No. of Samples from 2010 MDEQ	Total No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Max Detected Value (Off-site)	Min RL of NDs	Max RL of NDs	Max RL of NDs (Off- site)
VOCs	1,1-Dichloropropene	563-58-6	ug/kg	0	0	99	28	127	0.8%	39.1	57.5	9	9	9	20	480	480
VOCs	1,2,3-Trichloropropane	96-18-4	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	1,2,3-Trimethylbenzene	526-73-8	ug/kg	0	0	99	0	99	13.1%	7.96	5.38	5	45	45	14	14	14
VOCs VOCs	1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane	95-63-6 96-12-8	ug/kg ug/kg	23 23	72	0	28 28	51 123	17.6% 0.0%	89.5	76.3	34	300	250	0.5 0.5	480 970	480 970
VOCs	1,2-Dibromoethane (EDB)	106-93-4	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	1,2-Dichlorobenzene	95-50-1	ug/kg	23	72	99	28	222	3.2%	35.5	49.7	5	370	14	0.5	480	480
VOCs	1,2-Dichloroethane	107-06-2	ug/kg	23	72	0	28	123	0.8%	36.7	60.1	40	40		0.5	480	480
VOCs	1,2-Dichloropropane	78-87-5	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	1,3,5-Trimethylbenzene	108-67-8	ug/kg	23	0	0	28	51	3.9%	82.2	69.0	74	81	74	0.5	480	480
VOCs VOCs	1,3-Dichlorobenzene 1,3-Dichloropropane	541-73-1 142-28-9	ug/kg ug/kg	23	72	99	28 28	222 28	11.3% 0.0%	34.1	51.0	4	380	32	0.5 180	480 480	480 480
VOCs	1,3-Dichloropropene, Total	542-75-6	ug/kg ug/kg	0	0	0	28	28	0.0%						180	480	480
VOCs	1,4-Dichlorobenzene	106-46-7	ug/kg	23	72	99	28	222	8.6%	39.3	95.9	5	1,300	27	0.5	480	480
VOCs	1,4-Dioxane	123-91-1	ug/kg	0	72	0	28	100	0.0%						352	48,000	48,000
VOCs	2,2-Dichloropropane	594-20-7	ug/kg	0	0	99	28	127	0.0%						10	480	480
VOCs	2-Chloroethyl vinyl ether	110-75-8	ug/kg	0	0	0	28	28	0.0%						1,800	4,800	4,800
VOCs	2-Chlorotoluene 2-Hexanone	95-49-8	ug/kg	0	72	99	28 28	127 123	0.8%	36.3	60.2 240	144 470	144 470	144	10	480 1.900	480 1.900
VOCs VOCs	2-Hexanone 2-Propanol	591-78-6 67-63-0	ug/kg ug/kg	23 0	72	0	28	123 28	0.8%	152	240	470	470		7,200	1,900 19,000	1,900 19,000
VOCs	4-Chlorotoluene	106-43-4	ug/kg ug/ka	0	0	99	28	127	0.0%						20	480	480
VOCs	Acetone	67-64-1	ug/kg	23	72	0	28	123	6.5%	192	294	127	1,880	1,880	5	1,900	1,900
VOCs	Acetonitrile	75-05-8	ug/kg	0	72	0	28	100	0.0%						197	9,700	9,700
VOCs	Acrolein	107-02-8	ug/kg	0	72	0	28	100	0.0%						102	9,700	9,700
VOCs	Acrylonitrile	107-13-1	ug/kg	23	72	99	28	222	1.8%	377	975	103	563	563	0.5	9,700	9,700
VOCs	Allyl Chloride (3-Chloropropene)	107-05-1	ug/kg	0	72	0	0	72	0.0%						43.6	309	309
VOCs	Benzene	71-43-2	ug/kg	23	72	99	28	222	18.9%	26.2	48.1	10.5	200	150	0.5 0.5	480 480	480 480
VOCs VOCs	Bromobenzene Bromodichloromethane	108-86-1 75-27-4	ug/kg ug/kg	23 23	72	0	28 28	51 123	0.0%						0.5	480	480
VOCs	Bromoform	75-25-2	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	Bromomethane	74-83-9	ug/kg	23	72	0	28	123	0.0%						1	970	970
VOCs	Carbon disulfide	75-15-0	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	Carbon tetrachloride	56-23-5	ug/kg	23	72	0	28	123	1.6%	37.1	60.2	17	71		0.5	480	480
VOCs	Chlorobenzene	108-90-7	ug/kg	23	72	99	28	222	0.5%	32.4	147.2	2,100	2,100		0.5	480	480
VOCs VOCs	Chlorobromomethane Chloroethane	74-97-5 75-00-3	ug/kg ug/kg	23 23	72	0	28 28	51 123	0.0%						0.5 0.5	480 970	480 970
VOCs	Chloroform	67-66-3	ug/kg ug/kg	23	72	0	28	123	4.1%	38.3	59.8	19.26	88	28.8	0.5	480	480
VOCs	Chloromethane	74-87-3	ug/kg	23	72	0	28	123	1.6%	76.7	119.1	87	113	113	1	970	970
VOCs	Chloroprene (2-Chloro-1,3-Butadiene)	126-99-8	ug/kg	0	72	0	0	72	0.0%						44	309	309
VOCs	cis-1,2-Dichloroethene	156-59-2	ug/kg	23	0	0	28	51	0.0%						0.5	240	240
VOCs	cis-1,3-Dichloropropene	10061-01-5	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	Cyclohexane	110-82-7	ug/kg	0	0	99	0	99	3.0%	7.16	15.24	11	137	137	10	10	10
VOCs VOCs	Cyclohexanone Dibromochloromethane	108-94-1 124-48-1	ug/kg ug/kg	23	72	0	28 28	28 123	0.0%						2,900 0.5	7,800 480	7,800 480
VOCs	Dibromomethane	74-95-3	ug/kg ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	Dichlorodifluoromethane	75-71-8	ua/ka	23	72	0	28	123	0.0%						0.5	970	970
VOCs	Ethyl Benzene	100-41-4	ug/kg	23	72	0	28	123	9.8%	45.8	63.5	25.6	229	229	0.5	480	480
VOCs	Ethyl ether	60-29-7	ug/kg	23	0	0	28	51	0.0%						0.5	970	970
VOCs	Ethyl methacrylate	97-63-2	ug/kg	0	72	0	0	72	0.0%						43.6	309	309
VOCs	Ethyl tert-Butyl Ether		ug/kg	0	0	99	0	99	0.0%						10	10	10
VOCs VOCs	Ethylene oxide Isobutanol	75-21-8 78-83-1	ug/kg	0	72	0	28 28	28	0.0%						110,000 44	290,000 19,000	290,000 19,000
VOCs	Isopropyl Ether	+	ug/kg ug/kg	0	0	99	0	100 99	0.0%						30	30	30
VOCs	Isopropylbenzene	98-82-8	ug/kg ug/kg	23	0	0	28		7.8%	85.9	69.7	8.6	110		0.5	480	480
VOCs	Methyl Ethyl Ketone (2-Butanone)		ug/kg	23	72	0	28	123	0.8%	139	243	39	39		5	1,900	1,900
VOCs	Methyl Iodide (Iodomethane)	74-88-4	ug/kg	23	72	0	28	123	12.2%	47.9	48.6	52	210	210	0.5	480	480
VOCs	Methyl Isobutyl Ketone (4-Methyl-2- Pentanone)	108-10-1	ug/kg	23	72	0	28	123	3.3%	143	251	56	750		0.5	1,900	1,900
VOCs	Methyl methacrylate	80-62-6	ug/kg	0	72	0	0	72	0.0%						43.6	309	309
VOCs	Methylacrylonitrile	126-98-7	ug/kg	0	72	0	0	72	0.0%						218	1,540	1,540
VOCs	Methylene Chloride Methyl-t-butyl ether	75-09-2	ug/kg	23	72	99	28	222	52.7%	211	335	6	2,175	2,175	0.5	480	480
VOCs VOCs	Methyl-t-butyl ether Naphthalene	1634-04-4 91-20-3	ug/kg ug/kg	23 23	72	0 99	0 28	23 222	0.0% 26.6%	151	500	26.7	7,200	 1,314	0.5 28	42 2,300	 970
VOCs	n-Butanol	71-36-3	ug/kg ug/kg	0	0	0	28	28	0.0%			20.7		1,314	7,200	19,000	19,000
VOCs	n-Butylbenzene	104-51-8	ug/kg	23	0	0	28	51	3.9%	86.0	69.8	84	99		0.5	480	480
VOCs	N-Propylbenzene		ug/kg	23	0	0	28	51	9.8%	87.2	70.3	6.3	170		0.5	480	480
VOCs	p-Isopropyltoluene		ug/kg	23	0	0	0	23	17.4%	16.2	14.3	8.6	53		0.5	42	
VOCs	Propionitrile, Ethyl Cyanide	107-12-0	ug/kg	0	72	0	0	72	1.4%	38.2	58.5	506	506	506	44	309	309
VOCs	sec-Butylbenzene	135-98-8	ug/kg	23	0	0	28	51	5.9%	84.8	69.7	6.3	58		0.5	480	480
VOCs VOCs	Styrene		ug/kg	23	72	0	28	123 99	4.9%	41.6	61.6	17	157	157	0.5	480 110	480 110
VOCs	t-Butanol tert-Amyl Methyl Ether	75-65-0 994-05-8	ug/kg ug/kg	0	0	99 99	0	99	0.0%						110 30	30	30
VOCs	tert-Butylbenzene	98-06-6	ug/kg ug/kg	23	0	0	28	51	2.0%	83.5	70.8	37	37		0.5	480	480
	Tront Daty IDON ZONO	100 00 0	ug/ng	20			20	V 1	2.070	00.0	, 0.0	J 51	J1		0.0	100	-100

					N	umber of Sample	S						Summary Statistic	es es			
Analyte Group	Analyte	CAS Number	Unit			No. of Samples from 2010 Dow	No. of Samples from 2010 MDEQ	Total No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Max Detected Value (Off-site)	Min RL of NDs	Max RL of NDs	Max RL of NDs (Off- site)
VOCs	Tetrachloroethene	127-18-4	ug/kg	23	72	99	28	222	4.5%	37.7	147.7	5	2,100	13	0.5	480	480
VOCs	Tetrahydrofuran	109-99-9	ug/kg	23	0	0	28	51	15.7%	332	284	78	180		25.5	1,900	1,900
VOCs	Toluene	108-88-3	ug/kg	23	72	99	28	222	74.3%	430	1,182	4	7,010	7,010	25.5	480	480
VOCs	trans-1,2-Dichloroethene	156-60-5	ug/kg	23	72	0	28	123	0.0%						0.5	240	240
VOCs	trans-1,3-Dichloropropene	10061-02-6	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	trans-1,4-Dichloro-2-butene	110-57-6	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	Trichloroethene (TCE)	79-01-6	ug/kg	23	72	0	28	123	2.4%	38.3	59.4	11	51		0.5	480	480
VOCs	Trichlorofluoromethane	75-69-4	ug/kg	23	72	0	28	123	0.0%						0.5	970	970
VOCs	Trihalomethanes, Total	STL00209	ug/kg	0	0	0	28	28	0.0%						180	480	480
VOCs	Vinyl acetate	108-05-4	ug/kg	0	72	0	28	100	0.0%						42.7	970	970
VOCs	Vinyl chloride	75-01-4	ug/kg	23	72	0	28	123	0.0%						0.5	970	970
VOCs	Xylenes, Total	1330-20-7	ug/kg	23	72	99	28	222	23.9%	72.4	160.8	10.05	1,470	1,470	1.5	480	480
Total	HPAHs		ug/kg	23	72	99	33	227	88.5%	1,498	3,764	138	39,931	39,931	194	3,600	3,500
Total	LPAHs		ug/kg	23	72	99	33	227	64.8%	769	1,458	63	10,530	9,065	111	3,350	3,350
Total	Total DDT		ug/kg	23	72	0	33	128	70.3%	108	418	1.9685	2,630	2,630	2.436	84	36
Notes:																	
	s exist, the average of the duplicate results	e was usad as	a sinala d	ata noint													+
	were substituted by half of reporting limit				atistics												+
	QAQC results were not included.	(112) 101 1110 00															
Laboratory	Q/ (QC TOOURS WOTO HOT INCIDENCE.																+
Isomer:																	
When lab re	eports a total for an "isomer" group, use th	nat value. If lab	reports or	nly the individua	isomer, total the	em for criteria d	comparison (us	e 1/2 RL for NI	Os in the summati	on; unless otherwi	se noted).						
Xylenes	Total Xylenes is the total of o-Xylene, p->	Xylene, and m-	Xylene. m	n and p-Xylenes	are usually grou	ped together.											
Endosulfan	Total Endosulfan is composed of Endosu	ulfan I and End	osulfan II.		, ,												
Cresol	Total Cresol or Methylphenol is compose	ed of 2-Methylp	henol (2-C	Cresol), 3-Methy	Iphenol (3-Creso	ol, and 4-Methyl	phenol (4-Cres	ol). 3 and 4-M	ethylphenol are so	ometimes grouped	I together.						
	Total Chlordane is the sum of alpha-Chlor									0 1/11							
	Total PCBs is the sum of all individual PC																

Table 5-2
Summary Statistics and Comparison with Background Data of Combined Results -- 2005/6 Dow On-site, 2006 CH2M Hill Data, 2010 Dow and MDEQ Split Data
The Dow Chemical Company, Michigan Operations

					Nui	mber of Samp	les				Summary S	Statistics on Site	Samples			(eBKG1) State	wide Default	Background	(eBKG2) Modif	fied Urban B	ackground (2)
Analyte Group	Analyte	CAS	Unit	No. of Samples from 2005/6 Dow On- Site	No. of Samples from 2006 COM Blind	No. of Samples from 2010 Dow	No. of Samples from 2010 MDEQ	Total No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs	Mean + 1 Std Dev	Percent Exceed (Detect)	Percent Exceed (Non-detect)	Mean + 1 Std Dev (Except As, Use Mean + 2 SD)	Percent Exceed (Detect)	Percent Exceed (Non-detect)
Mercury	Mercury	7439-97-6	ug/kg	23	72	99	33	227	85.5%	72.5	245.6	9.4	3,440	3.9	62.4	130	5.7%	0.0%	180	4.0%	0.0%
Metals	Aluminum	7429-90-5	ug/kg	23	0	99	33	155	100.0%	3,091,331	2,486,965	416,874	14,200,000			6,900,000	10.3%	0.0%	11,673,000	1.3%	0.0%
Metals	Antimony	7440-36-0	ug/kg	0	72	99	33	204	23.0%	263	604	14	4,530	150	1,470				elalaista laisti.		0000000
Metals	Arsenic		ug/kg	23	72	99	33	227	97.4%	4,614	5,647	195	59,200	194	785	5,800	20.7%	0.0%	11,290	7.0%	0.0%
Metals	Barium		ug/kg	23	72	0	33	128	100.0%	38,856	22,224	7,620	137,000			75,000	6.3%	0.0%	178,000	0.0%	0.0%
Metals	Beryllium		ug/kg	23	72	0	33	128	92.2%	293	196	42.625	1,170	35	580				430	18.0%	4.7%
Metals	Boron	7440-42-8 7440-43-9	ug/kg	_	0 72	99	33	132	99.2%	8,986 282	3,728 276	970 32.6	22,627 1.570	9,200	9,200	1,200	2.3%	0.0%	2,000	0.0%	0.0%
Metals Metals	Cadmium Calcium	7440-43-9	ug/kg ug/ka	23 23	0	0	33 0	128 23	75.8% 100.0%	97.044.130	80.734.405	4,140,000	269.000.000	15 	872 	1,200	2.3%	0.0%	2,000	0.0%	0.0%
Metals	Chromium	7440-70-2	ug/kg ua/ka	23	72	99	33	227	100.0%	97,044,130	7.351	783	60.700			18,000	6.2%	0.0%	21,930	4.4%	0.0%
Metals		18540-29-9		23	0	0	0	23	13.0%	711	889	863	4.610	810	1.100	10,000	0.270	0.076	21,930	4.470	0.076
Metals	Cobalt	7440-48-4	ug/kg	23	72	99	33	227	100.0%	2,385	1,190	402	7,420			6,800	0.9%	0.0%	5,900	2.2%	0.0%
Metals	Copper	7440-50-8	ug/kg	23	72	0	33	128	100.0%	18,330	19.492	2,000	183,000			32,000	12.5%	0.0%	38,080	7.8%	0.0%
Metals	Iron	7439-89-6	ua/ka	23	0	0	33	56	100.0%	8.036.518	5.803.437	2.100.000	30.200.000			12.000.000	12.5%	0.0%	21.916.000	5.4%	0.0%
Metals	Lead	7439-92-1	ug/kg	23	72	99	33	227	100.0%	29,563	53,681	1,483	666,000			21,000	34.4%	0.0%	114,220	5.3%	0.0%
Metals	Lithium	7439-93-2	ug/kg	23	0	99	33	155	100.0%	6,075	3,423	1,040	16,570			9,800	16.1%	0.0%	12,500	5.2%	0.0%
Metals	Magnesium	7439-95-4	ug/kg	23	0	99	33	155	100.0%	3,142,780	2,943,442	177,576	15,521,500						29,875,000	0.0%	0.0%
Metals	Manganese	7439-96-5	ug/kg	23	0	99	33	155	100.0%	88,932	69,842	10,091	547,757			440,000	0.6%	0.0%	1,298,000	0.0%	0.0%
Metals	Molybdenum	7439-98-7	ug/kg	23	0	0	33	56	60.7%	2,284	3,409	96	2,000	4,055	23,200						
Metals	Nickel	7440-02-0	ug/kg	23	72	99	0	194	99.5%	9,465	15,219	1,670	209,000	350	350	20,000	3.1%	0.0%			Historia
Metals	Potassium	7440-09-7	ug/kg	23	0	0	0	23	91.3%	784,707	436,782	235,500	1,830,000	496,500	580,000				91919191919191		19191919191
Metals	Selenium	7782-49-2	ug/kg	23	72	99	33	227	33.5%	375	578	120	5,720	80	1,180	410	23.8%	31.7%	770	11.0%	2.2%
Metals	Silver	7440-22-4	ug/kg	23	72	99	33	227	13.7%	64.2	131.0	25	1,680	50.8	580	1,000	0.4%	0.0%			1000000
Metals	Sodium	7440-23-5	ug/kg	23	0	0	33	56	60.7%	203,987	290,770	42,000	1,940,000	101,000	600,000	:4:4:4:4:4:4:4:4:			9:9:9:9:9:9:9:		10:0:0:0:0:0:0:
Metals	Strontium	7440-24-6	ug/kg	23	0	99	33	155	100.0%	32,451	39,291	2,100	201,919					1000000000			100000000000000000000000000000000000000
Metals	Thallium	7440-28-0	ug/kg	23	72	99	33	227	15.4%	162	148	35	230	101	4,360						
Metals Metals	Thorium Tin		ug/kg ug/ka	0	0 72	99	33	33 171	93.9% 6.4%	2,072 1,511	1,926 12,254	440 532	3,300 158,000	17,000 484	19,000 2.610	-1-1-1-1-1-1-1-1-1 -1-1-1-1-1-1-1-1-1-1		100000000			1101111111
Metals	Titanium		ug/kg ua/ka	23	0	0	0	23	100.0%	129,535	75.383	48.700	427.000	404	2,010						
Metals	Vanadium	7440-32-0	ug/kg	23	72	0	33	128	100.0%	11,856	7,319	2,250	74,000						21,980	3.1%	0.0%
Metals	Zinc		ug/kg	23	72	0	33	128	83.6%	60,643	97,091	4,800	798,500	56	166	47.000	35.2%	0.0%	139,650	10.9%	0.0%
IVIOLAIO	Zillo	7440 00 0	ug/itg	20	72		- 00	120	00.070	00,040	07,001	4,000	700,000	00	100	47,000	00.270	0.070	100,000	10.070	0.070
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Table 5-3 Classes of Analytes Totaled for Ecological Criteria Comparison Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

Analyte	CAS Number	Unit	Total No. of Samples	Detection Rate	Number of Detected Samples	ESLB	Source of ESLB	% of Detects > ESLB?	Number of samples with Detects > ESLB	% of ND RLs > ESLB?	Number of samples with RLs > ESLB	Min RL of NDs	Max RL of NDs	Max RL of NDs (Off- site)	Max Detected Off-site (ug/kg)	Hazard Quotient (HQ), based on Off-site Data	Recommend	Decision	Notes
BHC, Total		ug/kg	227	8.4%	19	99.4	USEPA Region 5 ESL (alpha-BHC)	0.9%	2	0.9%	2	3.15	720	720	30.9	0.3	Eliminate	Eliminated in 21 August 2014 Meeting	Total BHCs were detected in 19 out of 227 total samples collected (6 on-site samples and 13 off-site samples). Of these 19 detections, only 2 on-site samples had detections that exceeded the ESLB at DOS-8 (214.5 ug/kg) and DOS-21 (286 ug/kg). The highest off-site detections occurred at L-01 (0-1"). The screening level HQ based on the off-site maximum is less than 1. Recommend elimination.
DDx, Total		ug/kg	128	70.3%	90	93	Avian EPA EcoSSL	9%	11	0%	0	2.44	84	36	2630	28.3			Total DDx (4,4'-DDD, 4,4'-DDE, 4,4'-DDT) was detected in 90 out of 128 total samples. The detected concentration exceeded the Avian EPA EcoSSL in only 11 samples. 2 of the samples were on-site (DOS-1 (152.55 ug/kg) and DOS-20 (101.5 ug/kg). The remaining 9 samples were off-site and are all associated with an off-site sources other than MAS historical release: A-02 (725.4 ug/kg), C-02 0-1" (2,576.1 ug/kg) and C-02 1-6" (2,558.5 ug/kg), O-01 1-6" (98.62 ug/kg), W-03 0-1" (1,059.6 ug/kg) and W-03 1-6" (1,319.1 ug/kg), B1-01 6 12" (2,630 ug/kg) and B1-03 0-1" (94 ug/kg). If these are removed from the data set, the next highest off-site concentration is 90.85 ug/kg at W1-02 1-6". Using this concentration, the screening HQ is 1.
Endosulfan and Endosulfan sulfate, Totals	115-26-7 1031- 07-8	ug/kg	128	60.9%	78	35.8	US EPA Region 5 ESL	5%	6	4%	5	17.8	360	360	73.5	2			Total Endosulfans were detected in 78 out of 128 total samples. The detected concentrations in 6 samples exceed the US EPA Region 5 ESL. 3 of the samples are on-site (DOS-20 (65 ug/kg), DOS-21 (69 ug/kg), and DOS-8 (66 ug/kg)) and 3 are off-site samples. The three off-site samples are as follows: C-02 1-6" (54.685 ug/kg), K-01 1-6" (73.51 ug/kg) and O-01 1-6" (49.545 ug/kg). C-02 and O-01 are off-site sample locations associated with an off-site source other than MAS historical release. This leaves the one isolated maximum detected off-site concentration at K-02 1-6", demonstrating this is not a widespread issue. There are 5 RLs that exceed the ESLB. 4 of them are on-site and the one off-site is at B1-01 (180 ug/kg). LANL has endosulfan ESLs for the robin (as an herbivore, omnivore and invertivore), the most conservative of which (the invertivore) is 40,000 ug/kg. The maximum detected concentration is well below the LANL robin ESL.
Endrin, Total	72-20-8	ug/kg	128	3.9%	5	2.62	USEPA Eco SSL (Endrin aldehyde)	3%	4	52%	64	1.57	540	540	16.5	6	Eliminate (with map review); Endrins were not produced by Dow		Total endrins were detected in only 5 out of 128 total samples collected (all off-site). 4 of these samples had detected concentrations that were greater than the ESLB. They are as follows: J-02 0-1" (9.79 ug/kg), O-01 1-6" (10.9 ug/kg), L-02 0-1" (12.59 ug/kg), and I1a-02 6-12" (16.5 ug/kg). 59 samples had reporting limits that met the ESLB from the 2006 COM sampling effort providing adequate sample coverage across the area of interest. 64 samples had reporting limits that exceeded the ESLB. These samples included all of the Dow On Site samples, all of the 2010 MDEQ samples and 9 out of a total of 68 samples from the 2006 COM data set. Recommend elimination based on frequency of detection and spatial distribution.
Heptachlor, Total	76-44-8	ug/kg	128	15.6%	20	152	USEPA Region 5 ESL (Heptachlor epoxide)	0%	0	0.8%	1	1.52	360	360	77.6	0.5	Eliminate	Eliminated in 21 August 2014 Meeting	Total heptachlors were detected in 20 samples out of 128 total samples collected. These 20 detections were all off-site. There are no detected concentrations that exceed the ESLB. Only 1 reporting limit exceeds the ESLB at B1-01 6-12" (180 ug/kg), which is a sample that commonly has reporting limits that exceed. Recommend elimination.
Parathion, Total	56-38-2	ug/kg	72	0.0%	0	0.292	US EPA Region 5 ESL	0%		100%	72	29.9	78.3	78.3	ND				Total parathions were never detected and all reporting limits were higher than the US EPA Region 5 ESL (0.292 ug/kg). Our calculated NOAEL ESLB for the robin was 398 ug/kg (based on parathion; for methyl parathion it was 4,000 ug/kg). All reporting limits were below the calculated robin NOAEL ESLB.
HMW PAHs, Total		ug/kg	227	67.8%	154	18,000	EcoSSL (Invertebrates)	0.9%	2	0%	0	75.1	1620	1575	30,627	2			Summed concentrations of HMW PAHs exceeded the Invertebrate EcoSSL (18,000 ug/kg) in two samples - 1 on-site and 1 off-site. The on-site sample was at DOS-20 (18,800 ug/kg) and the off-site samples was from the COM Blinded Sampling effort at C-02 0-1" (30,627 ug/kg). There are no reporting limits that exceed this ESLB. D6 analytes were ultimately eliminated based on a Total PAH and spatial distribution evaluation.
						1,100	EcoSSL (Mammals)	19%	43	2%	5					28			Summed concentrations of HMW PAHs exceeded the Mammal EcoSSL (1,100 ug/kg) in 43 samples located both on- and off-site. 14 of the detections are on-site and 29 of the detections are off-site. The maximum detected concentration is off-site at C-02 0-1" (30,627 ug/kg) from the COM Blinded Sampling effort, which is a sample location associated with an off-site source not related to the MAS historical release. Based on a review of the sample locations associated with off-site source not related to the MAS historical release, only 9 detected concentrations that exceed 1,100 ug/kg off-site are not associated with one of those sample locations. Of these 9 sample locations, the max detections is 4,471 ug/kg at J-02 0-1". Based on this detected concentration, the screening HQ is 4.
LMW PAHs, Total		ug/kg	227	86.8%	197	29,000	EcoSSL (Invertebrates)	0%	0	0%	0	40.3	1675	1675	17,881	0.6			There are no summed concentrations of LMW PAHs or RLs that exceed the Invertebrate EcoSSL (29,000 ug/kg). D6 analytes were ultimately eliminated based on a Total PAH and spatial distribution evaluation.
						100,000	EcoSSL (Mammals)	0%	0	0%	0					0.2			There are no summed concentrations of LMW PAHs or RLs that exceed the Mammal EcoSSL (100,000 ug/kg).

Heptachlor, Total:

If duplicates exist, the average of the duplicate results was used as a single data point.

Nondetects were substituted by half of reporting limit (RL) for the computation of summary statistics.

Laboratory QAQC results were not included.

BHC, Total: Total DDx:

Alpha-BHC 4,4'-DDD 4,4'-DDE 4,4'-DDT Beta BHC Delta BHC Gamma BHC (Lindane)

Endrin, Total:

Total Endosulfan and Endosulfan sulfate:

Endrin Endrin aldehyde Endosulfan sulfate Endosulfan, Total

Endrin ketone

Total Parathion:

Heptachlor

Parathion, Ethyl (Parathion) Heptachlor epoxide Parathion, Methyl

Summary of Current Ecological Screening Categories Based on L. Williams (FWS) Memorandum Dated September 23, 2013 Part II - Remedial Investigation Report

The Dow Chemical Company, Michigan Operations

Category	Definition
1	If screened out of HHRA and HHRA threshold is less than ESLB, screen out of ERA, documenting reasons for screening out of HHRA.
2	If maximum concentration is less than background, screen out of ERA
3	If all concentrations are < RL and RL is less than background, screen out of ERA
	eA1 (Analyte not detected; no ESLB): Compare RL to ESLB for similar compound or to HHRA for same or similar compound then add
4	reasons for exposure/toxicity differences and/or add safety factors.
	eA2 (Analyte detected; no ESLB): Compare maximum concentration to ESLB for similar compound or to HHRA for same or similar
5	compound then add reasons for exposure/toxicity differences and/or add safety factors.
6	eB1 (Analyte not detected; 95% or more RLs met ESLB): Probably OK to screen out, spatial distribution if seems too many.
	eC1 (Detected < or = to 5%; 95% or more RLs met ESLB): Probably Ok to screen out, spatial distribution if seems too many or maximum
7	concentration > ESLB
8	eD1 (Detected > 5%; HQ (based on off-site data) < or = to 1); Probably OK to screen out.
	eB2 (Analyte not detected; More than 5% RLs did not meet ESLB); see if screened out of HHRA and if same reasoning can be used, e.g. #1-3
9	above, spatial distribution indicates not Dow or SWAC of RLs in 5 acre worst case homerange circles less than ESLB.
	eC2 (Detected < or = to 5%; More than 5% RLs did not meet ESLB): see if screened out of HHRA and if same reasoning can be used, e.g. #1-
10	3 above, spatial distribution indicates not Dow or SWAC of RLs, and detections in 5 acre worst case homerange circles less than ESLB.
	eD2 (Detected > 5%; HQ (based on off-site data) > 1): see if screened out of HHRA and if same reasoning can be used, e.g. #2 above,
11	spatial distribution indicates not Dow, or SWAC of RLs and detections in 5 acre worst case homerange circles less than ESLB.
	For remaining contaminants - move beyond SLERA, e.g. consider geometric mean of NOAEL and LOAEL instead of just the NOAEL that was
12	used to develop the ESLB, consider LOAEL, develop and ESLB, calculate % of homeranges at risk after cleanup using SWACs.

HHRA Human Health Risk Assessment
ERA Ecological Risk Assessment
ESLB Ecological Screening Level Benchmark
NOAEL No Observable Adverse Effect Level
RL Reporting Limit
SLERA Screening Level ERA
LOAEL Lowest Observable Adverse Effect Level

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
Metals	Barium ¹	7440-39-3	A2	eBKG2	НН	#1	100%	128	300,000	0%	0%	330,000	0%	0%	Metals Screen-out by Regional Background Screening Levels	Metals Screen-out by Modified Urban Background	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Background.
Metals	Boron ¹	7440-42-8	D6, E2	eD1	НН	#1, #8	99%	132	10,000	38%	0%	52,100	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on leach testing results	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Background.
Metals	Chromium ¹	7440-47-3	D6, E1	eD2	НН	#1, #11	100%	227	3,300	94%	0%	26,000	4%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) > 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Background.
Metals	Cobalt ¹	7440-48-4	D6, E1	eD1	НН	#1, #8	100%	227	800	96%	0%	13,000	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Background.
SVOCs	Fluoranthene ¹	206-44-0	D6, E2	eD1	НН	#1, #8	82%	227	5,500	0.9%	0%	381,000	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on leach testing results	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on the LMW PAH Totals evaluation.
SVOCs	Hexachlorobutadiene ¹	87-68-3	D5, E2	eC1	НН	#1, #7	1%	227	91	0.9%	60%	984	0%	1%	Detected ≤ 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based onm leach testing results	Detected ≤ 5%; 99% RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
Metals	Selenium ¹	7782-49-2	D6, E3	eD2	НН	#1, #11	34%	227	400	25%	32%	1,830	3%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on shallow groundwater sampling leach study results (3/13/14 meeting)	Detected > 5%; HQ (based on off-site data) > 1	Eliminated in 5 September 2014 Eco Working Meeting #5 based on all presented lines of justification. See Comment Response Table.
Metals	Manganese	7439-96-5	A2	eBKG2	НН	#1	100%	155	1,000	100%	0%	220,000	4%	0%	Metals Screen-out by Regional Background Screening Levels	Metals Screen-out by Modified Urban Background	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,1,1,2-Tetrachloroethane	630-20-6	В3	eB1	НН	#1, #6	0%	123	1,500	0%	0%	225,000	0%	0%	Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,1,1-Trichloroethane	71-55-6	В3	eB1	НН	#1, #6	0%	123	1,800	0%	0%	29,800	0%	0%	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,1-Dichloroethane	75-34-3	В3	eB1	НН	#1, #6	0%	123	15,000	0%	0%	20,100	0%	0%	Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,2,3-Trichloropropane	96-18-4	В3	eB1	НН	#1, #6	0%	123	840	0%	0%	3,360	0%	0%	Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Bromoform	75-25-2	В3	eB1	НН	#1, #6	0%	123	1,600	0%	0%	15,900	0%	0%	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Dibromochloromethane	124-48-1	В3	eB1	НН	#1, #6	0%	123	1,600	0%	0%	2,050	0%	0%	Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Dibromomethane	74-95-3	В3	eB1	НН	#1, #6	0%	123	1,600	0%	0%	65,000	0%	0%	Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Ethyl methacrylate	97-63-2	В3	eB1	НН	#1, #6	0%	72	770	0%	0%	30,000	0%	0%	Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	p-Phenylenediamine	106-50-3	В3	eB1	НН	#1, #6	0%	72	1,900	0%	0%	6,160	0%	0%	Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	1,2,4-Trichlorobenzene	120-82-1	D2	eC1	НН	#1, #7	4%	150	4,200	0%	0%	11,100	0%	0%	Detected <5%: screen-out by Part 201/EPA criteria	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
Herbicides	2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	D2	eC1	НН	#1, #7	1%	72	150	0%	0%	596	0%	0%	Detected <5%: screen-out by Part 201/EPA criteria	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Chloromethane	74-87-3	D2	eC1	НН	#1, #7	2%	123	2,300	0%	0%	10,400	0%	0%	Detected <5%: screen-out by Part 201/EPA criteria	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Isophorone	78-59-1	D2	eC1	НН	#1, #7	0.8%	128	15,000	0%	0%	139,000	0%	0%	Detected <5%: screen-out by Part 201/EPA criteria	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Methyl Ethyl Ketone (2- Butanone)	78-93-3	D2	eC1	НН	#1, #7	0.8%	123	44,000	0%	0%	89,600	0%	0%	Detected <5%: screen-out by Part 201/EPA criteria	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Methyl Isobutyl Ketone (4- Methyl-2-Pentanone)	108-10-1	D2	eC1	НН	#1, #7	3%	123	36,000	0%	0%	443,000	0%	0%	Detected <5%: screen-out by Part 201/EPA criteria	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Styrene	100-42-5	D2	eC1	НН	#1, #7	5%	123	2,100	0%	0%	4,690	0%	0%	Detected <5%: screen-out by Part 201/EPA criteria	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Acenaphthene	83-32-9	D3	eD1	НН	#1, #8	13%	128	8,700	0%	0%	682,000	0%	0%	Detected > 5%; screen-out by Part 201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Acenaphthylene	208-96-8	D3	eD1	НН	#1, #8	22%	128	5,900	0%	0%	682,000	0%	0%	201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Acetophenone	98-86-2	D3	eD1	НН	#1, #8	9%	105	30,000	0%	0%	300,000	0%	0%	201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Anthracene	120-12-7	D3	eD1	НН	#1, #8	48%	128	41,000	0%	0%	1,480,000	0%	0%	Detected > 5%; screen-out by Part 201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Benzo(b)fluoranthene	205-99-2	D3	eD1	НН	#1, #8	88%	128	20,000	0%	0%	59,800	0%	0%	Detected > 5%; screen-out by Part 201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Fluorene	86-73-7	D3	eD1	НН	#1, #8	16%	128	5,300	0%	0%	122,000	0%	0%	Detected > 5%; screen-out by Part 201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Indeno(1,2,3-c,d)Pyrene	193-39-5	D3	eD1	НН	#1, #8	52%	128	20,000	0%	0%	109,000	0%	0%	Detected > 5%; screen-out by Part 201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Phenol	108-95-2	D3	eD1	НН	#1, #8	22%	128	9,000	0%	0%	120,000	0%	0%	Detected > 5%; screen-out by Part 201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,2-Dichlorobenzene	95-50-1	D5, E1	eC1	НН	#1, #7	3%	222	280	0.5%	37%	2,960	0%	0%	Detected ≤ 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial	Detected ≤ 5%; All RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
Pesticides	alpha-BHC	319-84-6	D5, E1	eC1	НН	#1, #7	5%	227	18	1%	30%	99.4	0%	0%	distribution Detected ≤ 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected ≤ 5%; 99% RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Chlorobenzene	108-90-7	D5, E1	eC1	НН	#1, #7	0.5%	222	500	0.5%	0%	13,100	0%	0%	Detected ≤ 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected ≤ 5%; All RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Tetrachloroethene	127-18-4	D5, E1	eC1	НН	#1, #7	5%	222	100	2%	14%	9,920	0%	0%	Detected ≤ 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected ≤ 5%; All RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
VOCs	1,1,2-Trichloroethane	79-00-5	D4, E1	eB1	НН	#1, #6	0%	123	100	0%	26%	28,600	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,1-Dichloroethene	75-35-4	D4, E1	eB1	НН	#1, #6	0%	123	62	0%	38%	8,280	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,2-Dibromo-3-chloropropane	96-12-8	D4, E1	eB2	НН	#1, #9	0%	123	10	0%	93%	35.2	0%	93%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,2-Dibromoethane (EDB)	106-93-4	D4, E1	eB1	НН	#1, #6	0%	123	20	0%	93%	1,230	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,2-Dichloroethane	107-06-2	D4, E1	eC1	НН	#1, #7	0.8%	123	100	0%	26%	21,200	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,2-Dichloropropane	78-87-5	D4, E1	eB1	НН	#1, #6	0%	123	100	0%	26%	32,700	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,3-Dichloropropene, Total	542-75-6	D4, E1	eB2	НН	#1, #9	0%	28	170	0%	100%	398	0%	11%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	1,3-Dinitrobenzene	99-65-0	D4, E1	eB1	НН	#1, #6	0%	204	3.3	0%	100%	655	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,4-Dioxane	123-91-1	D4, E1	eB2	НН	#1, #9	0%	100	1,700	0%	28%	2,050	0%	28%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	2,2'-Oxybis (1- Chloropropane)	108-60-1	D4, E1	eB1	НН	#1, #6	0%	105	0.12	0%	100%	19,900	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	2,4,6-Trichlorophenol	88-06-2	D4, E1	eC1	НН	#1, #7	2%	128	330	0%	90%	9,940	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Detected ≤ 5%; All RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	2,4-Dichlorophenol	120-83-2	D4, E1	eB1	НН	#1, #6	0%	95	330	0%	91%	87,500	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
SVOCs	2,4-Dinitrotoluene	121-14-2	D4, E1	eB1	НН	#1, #6	0%	128	430	0%	12%	1,280	0%	2%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; 98% RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	2-Naphthylamine	91-59-8	D4, E1	eB1	НН	#1, #6	0%	72	0.19	0%	100%	3,030	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	2-Nitroaniline	88-74-4	D4, E1	eB1	НН	#1, #6	0%	128	150	0%	100%	74,100	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	2-Nitrophenol	88-75-5	D4, E1	eB1	НН	#1, #6	0%	105	400	0%	32%	1,600	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	3,3'-Dimethylbenzidine	119-93-7	D4, E1	eB2	НН	#1, #9	0%	72	0.04	0%	100%	104	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	3-Methylcholanthrene	56-49-5	D4, E1	eB1	НН	#1, #6	0%	72	5.9	0%	100%	77.9	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	4-Aminobiphenyl	92-67-1	D4, E1	eB2	НН	#1, #9	0%	72	0.016	0%	100%	3.05	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	4-Chloro-3-methylphenol	59-50-7	D4, E1	eB1	НН	#1, #6	0%	105	280	0%	100%	7,950	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	4-Chloroaniline	106-47-8	D4, E1	eB1	НН	#1, #6	0%	105	0.14	0%	100%	1,100	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	4-Nitroaniline	100-01-6	D4, E1	eB1	НН	#1, #6	0%	128	1.4	0%	100%	21,900	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	5-Nitro-o-toluidine	99-55-8	D4, E1	eB1	НН	#1, #6	0%	72	1.1	0%	100%	8,730	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	7,12-Dimethylbenz(a) anthracene	57-97-6	D4, E1	eB1	НН	#1, #6	0%	72	0.27	0%	100%	16,300	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
VOCs	Acrolein	107-02-8	D4, E1	eB2	НН	#1, #9	0%	100	310	0%	100%	5,270	0%	13%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Allyl Chloride (3- Chloropropene)	107-05-1	D4, E1	eB2	НН	#1, #9	0%	72	0.21	0%	100%	13.4	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Aramite (Total)	140-57-8	D4, E1	eB1	НН	#1, #6	0%	72	30	0%	100%	166,000	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Bis(2-Chloroethoxy) methane	111-91-1	D4, E1	eB2	НН	#1, #9	0%	128	25	0%	100%	302	0%	44%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Bis(2-Chloroethyl) ether	111-44-4	D4, E1	eB1	НН	#1, #6	0%	128	100	0%	100%	23,700	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Bromomethane	74-83-9	D6, E1	eB2	НН	#1, #9	0%	123	200	0.0%	25%	235	0%	24%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; 23.6% RLs did not meet ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Carbon tetrachloride	56-23-5	D4, E1	eC1	НН	#1, #7	2%	123	100	0%	26%	2,980	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Chlorobenzilate	510-15-6	D4, E1	eB1	НН	#1, #6	0%	72	2	0%	100%	5,050	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Chloroprene (2-Chloro-1,3- Butadiene)	126-99-8	D4, E1	eB2	НН	#1, #9	0%	72	0.0085	0%	100%	2.9	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Diallate (total of cis and trans isomers)	2303-16-4	D4, E1	eB1	НН	#1, #6	0%	72	1.6	0%	100%	452	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Dibenz(a,h)anthracene	53-70-3	D4, E1	eD1	НН	#1, #8	18%	128	2,000	0%	2%	18,400	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Diethyl phthalate	84-66-2	D4, E1	eC1	НН	#1, #7	2%	128	2,200	0%	2%	24,800	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
SVOCs	Dimethoate	60-51-5	D4, E1	eB1	НН	#1, #6	0%	72	1.6	0%	100%	218	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Ethyl Benzene	100-41-4	D4, E1	eD1	НН	#1, #8	10%	123	360	0%	3%	5,160	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Hexachloroethane	67-72-1	D4, E1	eB1	НН	#1, #6	0%	128	430	0%	12%	596	0%	2%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; 98% RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Kepone	143-50-0	D4, E1	eB2	НН	#1, #9	0%	72	0.24	0%	100%	32.7	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Methyl methacrylate	80-62-6	D4, E1	eB1	НН	#1, #6	0%	72	310	0%	1%	984,000	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Methyl methanesulfonate	66-27-3	D4, E1	eB1	НН	#1, #6	0%	72	0.14	0%	100%	315	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Methylacrylonitrile	126-98-7	D4, E1	eB2	НН	#1, #9	0%	72	0.24	0%	100%	57	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Nitrobenzene	98-95-3	D4, E1	eC1	НН	#1, #7	0.9%	227	330	0%	52%	1,310	0%	1%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	n-Nitrosodiethylamine	55-18-5	D4, E1	eB1	НН	#1, #6	0%	72	0.000053	0%	100%	69.3	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	n-Nitrosodimethylamine	62-75-9	D4, E1	eB2	НН	#1, #9	0%	128	0.0001	0%	100%	0.0321	0%	100%		Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	N-Nitroso-di-n-butylamine	924-16-3	D4, E1	eB1	НН	#1, #6	0%	72	0.005	0%	100%	267	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	n-Nitrosodi-n-propylamine	621-64-7	D4, E1	eB1	НН	#1, #6	0%	128	330	0%	92%	544	0%	2%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; 98% RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
SVOCs	n-Nitrosomethylethylamine	10595-95-6	D4, E1	eB2	НН	#1, #9	0%	72	0.00088	0%	100%	1.66	0%		Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	n-Nitrosomorpholine	59-89-2	D4, E1	eB1	НН	#1, #6	0%	72	0.0025	0%	100%	70.6	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	n-Nitrosopiperidine	100-75-4	D4, E1	eB2	НН	#1, #9	0%	72	0.0038	0%	100%	6.65	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	n-Nitrosopyrrolidine	930-55-2	D4, E1	eB2	НН	#1, #9	0%	72	0.012	0%	100%	12.6	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	p-Dimethylaminoazobenzene	60-11-7	D4, E1	eB1	НН	#1, #6	0%	72	0.062	0%	100%	40	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Phenacetin	62-44-2	D4, E1	eB1	НН	#1, #6	0%	72	8.6	0%	100%	11,700	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Pyridine	110-86-1	D4, E1	eB1	НН	#1, #6	0%	105	400	0%	57%	1,030	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Safrole	94-59-7	D4, E1	eB1	НН	#1, #6	0%	72	0.19	0%	100%	404	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Tetraethyl Dithiopyrophosphate (Sulfotepp)	3689-24-5	D4, E1	eB2	НН	#1, #9	0%	72	13	0%	100%	596	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Trichloroethene (TCE)	79-01-6	D4, E1	eC1	НН	#1, #7	2%	123	100	0%	26%	12,400	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Vinyl chloride	75-01-4	D4, E1	eB1	НН	#1, #6	0%	123	40	0%	83%	646	0%	5%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; 95% RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
Metals	Arsenic	7440-38-2	D6, E3	eD1	НН	#1, #8	97%	227	4,600	33%	0%	106,000	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on shallow groundwater sampling leach study results (3/13/14 meeting)	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
Metals	Chromium VI	18540-29-9	D6, E3	eD1	НН	#1, #8	13%	23	3,300	4%	0%	537,000	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on shallow groundwater sampling leach study results (3/13/14 meeting)	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Methylene Chloride	75-09-2	D6, E3	eD1	нн	#1, #8	53%	222	100	58%	21%	4,050	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on shallow groundwater sampling leach study results (3/13/14 meeting)	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Pentachlorophenol	87-86-5	D6, E3	eD1	нн	#1, #8	15%	227	22	8%	58%	2,480	0%	1%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on shallow groundwater sampling leach study results (3/13/14 meeting)	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Toluene	108-88-3	D6, E3	eD2	НН	#1, #11	74%	222	5,400	2%	0%	5,450	2%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on shallow groundwater sampling leach study results (3/13/14 meeting)	Detected > 5%; HQ (based on off-site data) > 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Xylenes, Total	1330-20-7	D6, E3	eD1	нн	#1, #8	24%	222	820	1%	0.5%	70,100	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on shallow groundwater sampling leach study results (3/13/14 meeting)	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,3-Dichlorobenzene	541-73-1	D6, E1	eD1	НН	#1, #8	11%	222	170	0.5%	45%	37,700	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,4-Dichlorobenzene	106-46-7	D6, E1	eD1	НН	#1, #8	9%	222	360	0.5%	33%	546	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Benzene	71-43-2	D6, E1	eD1	НН	#1, #8	19%	222	100	0.9%	14%	255	0%	6%	detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
Mercury	Mercury	7439-97-6	D6, E1	eD2	НН	#1, #11	86%	227	50	29%	2%	100	8%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) > 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria		ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
SVOCs	Phenanthrene	85-01-8	D6, E1	eD1	НН	#1, #8	52%	227	2,100	3%	0%	45,700	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
Metals	Silver	7440-22-4	D6, E1	eD1	НН	#1, #8	14%	227	100	3%	41%	4,200	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

¹ See RTC table (Table 5-6) for more information

Ecological Screening Results - Category 1 Response to Comments Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

Austra	1	1	0	0	1	FIMO	Detection	Total #	Off-site	Original Dow		% Detects	% RLs Exceed	Current Do	w	% Detects Exceed	% RLs	Calculated LOAEL-Based	Calculated LOAEL	% Detects Exceed	% RLs Excee	. T	1
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower	FWS Email	Frequency	Samples	Max	ESLB Used in 2011 (ug/kg)	Source	Exceed Original ESLB	Original ESLB	ESLB (ug/kg)	Current ESLB Source	Current ESLB	Exceed Current ESLB	Dow ESLB (ug/kg)	based ESLB Source	LOAEL ESLB	LOAEL ESLE		Decision
Analytes I	dentified for Further Evalu	7440-39-3	A2	eBKG2	НН	#1	100%	128	120,000	1,040	USEPA Region 5 ESL	100%	0%	330,000	USEPA Eco SSL (Soil Inverts)	0%	0%	3,932,000	Calculated LOAEL-based ESLB for Northern Cardinal	0%	0%	Barium was 100% detected. In both the human health evaluation and the original ecological screening, barium was eliminated through a comparison to background, which is discussed below. The original ecological screening performed in 2011 compared detected concentrations of barium to the US EPA Region 5 ESL. Later in 2011, Dow performed further evaluation that included a review of available US EPA Eco SSLs and for some analytes, barium included, a screening was performed using those values. The detected results for all 128 samples exceed the 1,040 ug/kg benchmark identified by the MDEQ that was developed based on soil invertebrates. These detections occur both on- and off-site. Statewide background (mean + 1 std dev) is 75,000 ug/kg and and only 6.3% (8 samples) of the total 128 samples collected exceed this background level. 3 of the 8 samples are on-site (DOS-1, DOS-2, DOS-8); the remaining 5 samples are off-site (3 from the City of Midland Blinded Sampling effort at U-02 0-1" and W-03 at both 0-1" and 1-6"; and 2 from the 2010 MDEQ sampling effort at B1-01 6-12" and Site2-03-1-6"). Modified urban background is 178,000 ug/kg (mean + 1 std dev) and there are no exceedances of this value. When a LOAEL-based ESLB is calculated based on the Northern Cardinal, there are no detected concentrations that exceed the ESLB.	
SVOCs	Hexachlorobutadiene	87-68-3	D5, E2	eC1	НН	#1, #7	1%	227	29	40	USEPA Region 5 ESL	1%	0%	1,013	Calculated NOAEL-based ESLB for American Robin	0%	1%	5,060	Calculated LOAEL-based ESLB for American Robin	0%	0%	Hexachlorobutadiene was only detected in 3 samples out of 227 total samples collected. 2 of the 3 samples were located or site at DOS-5 (250 ug/kg) and DOS-8 (640 ug/kg). The 1 detected concentration offsite occurred at O1-02 6-12" for a result of 29 ug/kg, which is less than the MDEQ identified ESLB of 40 ug/kg for the masked shrew and less than the calculated NOAEL-based ESLB for the American Robin. Based on the MDEQ recommended 40 ug/kg ESLB, all of the 2010 MDEQ samples, 2010 Dow samples, and Dow On-Site sample RLs exceed the ESLB. 22 of the COM Blinded sampling effort sample RLs exceed. 50 of the COM Blinded sampling effort meet the ESLB for offs-site non-detected samples. In comparison to the calculated ESLB for the American Robin, there are no detected concentrations that exceed the ESLB and only 2 reporting limits (1%) exceed the ESLB, both of which were on-site at DOS-17 (RL = 2,300 ug/kg) and DOS-20 (RL = 4,100 ug/kg). When a LOAEL-based ESLB is calculated based on the American Robin, there are no detected concentrations or reporting limits that exceed the ESLB.	Eco Working Meeting #3 based on clarification provided and Category 1 justification.
Metals	Cobalt	7440-48-4	D6, E1	eD1	НН	#1, #8	100%	227	7,420	140	USEPA Region 5 ESL	100%	0%	13,000	USEPA Eco SSL (Plants)	0%	0%	371,000	Calculated LOAEL-based ESLB for American Robin	0%	0%	Cobalt was detected in 100% of the 227 total samples collected. All of the detected concentrations exceed the MDEQ-recommended ESLB of 140 ug/kg. Statewide background (mean + 1 std dev) is 6,800 and only 2 samples have detected concentrations that exceed this background value. Modified Urban background (mean + 1 std dev) is less than the Statewide background value at 5,900 ug/kg and 5 samples have detected concentrations that exceed this value. 2 detected concentrations are on-site at DOS-1 (6,010 ug/kg) and DOS-2 (5,940 ug/kg); 2 detected concentrations are off-site at the L-02 sample location of the COM Blinded Sampling effort (0-1" = 6,830 ug/kg; 1-6" = 7,420 ug/kg); and 1 detected concentration also from the COM Blinded Sampling effort is at U-02 0-1" (5,980 ug/kg). All other detected concentrations are below background values. When a LOAEL-based ESLB is calculated for the American Robin, there are no detected concentrations that exceed the ESLB.	
Metals	Chromium	7440-47-3	D6, E1	eD2	нн	#1, #11	100%	227	46,700	400	USEPA Region 5 ESL	100%		26,000	USEPA Eco SSL (Birds)	4%	0%	43,900	Calculated LOAEL-based ESLB for American Robin	1%	0%	The original eco screening performed in 2011 used the US EPA Region 5 ESLB for comparison. Dow performed further evaluation on eD1 and eD2 analytes, including chromium. Since the endpoint is avian receptors, the US EPA Eco SSL for birds was utilized for the screening moving forward. 100% of detects exceed the soil invert benchmark recommended by MDEQ. Statewide background is 18,000 ug/kg and 6% (14 samples) of the detected results exceed that value. A comparison of detected concentrations to the current avian screening level (US EPA Eco SSL of 26,000 ug/kg) only 8 samples exceed the benchmark (no RLs exceed). Of the 8 samples that exceed the ESLB, 6 of those samples are on-site, leaving 2 off-site samples that occured in the COM Blinded Sampling Effort and the sample location was L-01 (0-1" and 1-6" depths). Modified Urban Background is 21,930 ug/kg and 9 samples exceed that value (the 8 discussed previously and 1 additional sample on-site). When a LOAEL-based ESLB is calculated for an American Robin, only 2 detections exceed the calculated criteria: one on-site DOS-11 (60,700 ug/kg) and one off-site at L-01 0-1" (46,700 ug/kg).	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Background.
Metals	Boron	7440-42-8	D6, E2	eD1	НН	#1, #8	99%	132	22,627					52,900	Calculated NOAEL-based ESLB for Northern Cardinal	0%	0%	172,000	Calculated LOAEL-based ESLB for Northern Cardinal	0%	0%	Boron was detected in 99% of 132 total samples collected. 38% of those samples have detected concentrations that exceed the MDEQ-recommended avian benchmark of 10,000 ug/kg (50 samples). There is no on-site data for Boron. The maximum detected concentration is 22,627 ug/kg at F1-02 0-1" from the COM Blinded Sampling Effort. There is no background information for Boron. It was eliminated from HH based on leach testing results. When Boron was identified as a Leach Study Analyte, Dow performed further evaluation including the calculation of a NOAEL-based ESLB for the Northern Cardinal and this is the screening value used in this comparison. When compared to a calculated NOAEL-based ESLB for the Northern Cardinal, all detected concentrations and all reporting limits are lower than the calculated NOAEL-based ESLB. When a LOAEL-based ESLB is calculated, all detected concentrations and reporting limits are below the LOAEL-based ESLB.	Eco Working Meeting #3 based on Background.
SVOCs	Fluoranthene	206-44-0	D6, E2	eD1	НН	#1, #8	82%	227	9,270	122,000	USEPA Region 5 ESL	0%	67%	398,000	Calculated NOAEL-based ESLB for American Robin	0%	0%	1,989,000	Calculated LOAEL-based ESLB for American Robin	0%	0%	There are no exceedances of the US EPA Region 5 ESL of 122,000 ug/kg. Fluoranthene was identified as a Leach Study Analyte and Dow completed further evaluation of those analytes in 2013, which included calculating a NOAEL-based ESLB for the American Robin (398,000 ug/kg). This is the value that was used in the screening comparison. When comparing to the NOEAL-based calculated ESLB for the American Robin, all detected concentrations and reporting limits are less than the calculated ESLB. Further evaluation was completed for Low Molecular Weight (LMW) and High Molecular Weight (HMW) PAHs (Fluoranthene is a LMW PAH). When concentrations of LMW PAHs are summed together for each sample and compared to the LMW ESLB for mammals (100,000 ug/kg), there are no detected concentrations or RLs that exceed the LMW ESLB. When a LOAEL-based ESLB is calculated for an American Robin, there are no detected concentrations or reporting limits that exceed this calculated ESLB.	based on the LMW PAHs
Metals	Selenium	7782-49-2	D6, E3	eD2	нн	#1, #11	34%	227	5,720	28	USEPA Region 5 ESL	33%	0%	1,930	Calculated NOAEL-based ESLB for American Robin	2%	0%	4,190	Calculated LOAEL-based ESLB for Northern Cardinal	1%	0%	100% of all detections and reporting limits exceed the MDEQ-recommended ESLB of 28 ug/kg. The maximum detected concentration from selenium was detected off-site in the COM Blinded Sampling effort at F-01 0-1" (5,720 ug/kg). Detected concentrations on-site range from 196-950 ug/kg. Statewide background is 410 ug/kg (mean +1 std dev). 54 detected results exceed the Statewide background value and are located both on- and off-site. Modified Urban background is 770 ug/kg (mean +1 std dev). 27 detected results exceed the Modified Urban Background value and only one of those detections is on-site (DOS-1 = 950 ug/kg). Selenium was identified as a Leach Study Analyte and in 2013, Dow completed further evaluation for the Leach Study Analytes, including calculating a NOAEL-based ESLB for the American Robin, which is the screening value used in this comparison. When compared to the calculated NOAEL-based ESLB, only 5 detected results exceed the benchmark (no RLs exceed the benchmark). Two of the detected results that exceed the ESLB were in the COM Blinded Sampling effort at C-02 1-6" (3,540.5 ug/kg) and F-01 1-1" (5,720 ug/kg). The remaining three detected results that exceed the ESLB were in the 2010 MDEQ sampling effort at the following locations: F1-02 0-1" (2,182.52 ug/kg); F1-02 1-6" (2,409.3 ug/kg), and Site2-03 1-6" (2,100 ug/kg). When a LOAEL-based ESLB is calculated based on the Northern Cardinal, only 1 detected concentration exceeds the calculated ESLB: F-01 0-1" (5,720 ug/kg) from the COM data set. There are no reporting limits that exceed the calculated ESLB.	of justification included spatia distribution

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
Metals	Cadmium	7440-43-9	A2	eBKG2	Eco	#2	92%	128	2,800	0%	0%	360	21%		Regional Background	Modified Urban	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Modified Urban Background
Metals	Magnesium	7439-95-4	A2	eBKG2	HH, no Eco	#2	100%	155	8,000,000	8%	0%				Regional Background	Modified Urban Background	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Modified Urban Background

Note: There are no analytes in Category 3

Analyte creened Out Screened Out Total # lowest Hi Source of % RI's Exceed | I OAFI-hase Source of New Category Human Health Lines o Exceed HH Analyte **CAS Numbe** Exceed HH ased ESLB Exceed Eco Lines of Justification **Notes - Detection Evaluation** Decision Group нн Eco Samples Criteria NOAEL ESLB NOAEL ESLB ESLB ug/kg LOAEL ESLB Justification Criteria Criteria LOAEL ESL ug/kg Not detected; 100% RLs meet the ESLB. 1,2,3-Trichlorobenzene was only analyzed for in the 2010 Dow creen-out by all NDs; all minate based or RLs ≤ all Part 201/EPA west Human Health criteria is < ESLB samples. The updated US EPA Region 5 ESLs included an ESL for eptember 2014 SEPA Regi Eliminate based on US EPA MDEQ Email and screened out of HHRA. This analyte 1,2,3-trichlorobenzene. All RLs are less than the US EPA Region 5 SVOCs 1,2,3-Trichlorobenzene В3 eA1 HH, no Eco 87 0% 0% 11.100 5 ESL 0% #1.6 Region 5 ESL oves from Category 4 to Category 1. ESL. The ESL is higher than the lowest HH criteria. This analyte (Updated) now meets the Category 1 criteria. Recommend elimination Screen-out by all NDs; al 1,1-Dichloroethene used as surrogate. cis-1,2-Dichloroethene was included in the 2005 Dow On-Site liminate based on RLs ≤ all Part 201/EPA ot detected; 100% RLs meet the ESLB. sampling effort and in the 2010 MDEQ samples. Further review eptember 2014 owest Human Health criteria is < ESLB identified a US EPA Region 5 ESL for cis-1,2-dichloroethene. All RLs MDEQ Email JSEPA Regio Eliminate based on US EPA В3 VOCs cis-1,2-Dichloroethene 156-59-2 HH, no Eco 51 1,400 0% 0% 0% and screened out of HHRA. This analyte are less than the US EPA Region 5 ESL. The ESL is higher than the 5 FSI Region 5 ESL oves from Category 4 to Category 1. lowest HH criteria. This analyte now meets the Category 1 criteria commend elimination. Not detected above Part Not detected: 100% RLs meet the ESLB. Chlorpyrifos was only analyzed for in the 2010 Dow and MDEQ liminate based or 201/EPA criteria but have owest Human Health criteria is < ESLB samples. Analyte was eliminated in part because Dow 2010 September 2014 elevated RLs for NDs; and screened out of HHRA. This analyte sample RLs were < HH criteria and 80% of total samples had RLs MDEQ Email liminated through a oves from Category 4 to Category 1. criteria. There is no ESLB for chlorpyrifos available. A NOAELreview of spatial based ESLB was calculated for the American Robin (145 ug/kg) and Eliminate based on the NOAEL-SVOC Chlorpyrifos 2921-88-2 D4, E1 eA1 HH, no Eco 132 130 0% 1% 145 1% 1,450 0% #1,6 American American all but 1 sample have RLs that meet the NOAEL ESLB. When a distribution hased FSLB LOAEL-based ESLB is calculated for the American Robin (1,450 ug/kg), all RLs are below this criteria. Recommend elimination based on the NOAEL-based ESLB, which moves this analyte to Category 1. Not detected; 100% RLs meet the ESLB. Disulfoton was only analyzed for in the 2006 COM Blinded liminate based or Not detected above Part 201/EPA criteria but hav vest Human Health criteria is < ESLB | Sampling effort. There was no MDEQ criteria and the EPA RSLs eptember 2014 and screened out of HHRA. This analyte were used. For this analyte, the RLs only exceeded the EPA MDEQ Email levated RLs for NDs; ves from Category 4 to Category 1. Protection of GW SSL and not the Residential Soil RSL. There is no iminated through a ESLB for disulfoton available. A NOAEL-based ESLB was calculated review of spatial iminate based on the LOAFI 2.7 for an American Robin (10.2 ug/kg) and 47% of samples have RLs SVOCS 298-04-4 D4. E1 HH. no Eco 72 0% 100% 10.2 American 102 American distribution based ESLB that meet the NOAEL-based ESLB. The RLs fall within a range of 9.21 ug/kg - 24 ug/kg. When a LOAEL-based ESLB is calculated fo the American Robin (102 ug/kg), all RLs meet the ESLB. Recommend elimination based on the LOAEL-based ESLB, which will result in this analyte moving to Category 1 for elimination. Screen-out by all NDs; al Methyl chlorpyrifos was only analyzed for in the 2010 Dow iminate based or hloropyrifos used as surrogate. Not RLs ≤ all Part 201/EPA etected; 100% RLs meet the ESLB. amples. There is no ESLB for methyl chlorpyrifos available. Using September 2014 LOAEL liminate based on the NOAEL- MDEQ Email chlorpyrifos as a surrogate, a NOAEL-based ESLB was calculated This analyte moves from Category 4 to Methyl chlorpyrifos criteria В3 eA1 HH. no Eco 1.700 145 American 1.450 American based ESLB and all RLs meet this NOAEL-based value. Recommend eliminatio Category 6. pased on the NOAEL-based ESLB. Not detected; 100% RLs meet the ESLB. 4-Nitroquinoline-1-oxide was only analyzed for in the 2006 COM Screen-out by all NDs; a JSEPA Regio Eliminate based on US EPA 56-57-5 В3 SVOCs 4-Nitroquinoline-1-oxide eA1 72 NA ---122 0% #6 Blinded Sampling effort. This analyte was not carried forward into RLs ≤ all Part 201/EPA nis analyte moves from Category 4 to eptember 2014 5 ESL Region 5 ESL he 2010 sampling campaign. Screen-out by all NDs; all cis-Nonachlor was only analyzed for in the 2010 Dow samples. liminate based or Chlordane used a surrogate. Not RLs ≤ all Part 201/EPA etected; 100% RLs meet the ESLB. When compared to the LANL LOAEL ESLB for the American Robin eptember 2014 LANL LOAEL iminate based on LANL LOAEL MDEQ Email This analyte moves from Category 4 to (1,450 ug/kg), all RLs meet the ESLB. Recommend elimination criteria SVOCS cis-Nonachlo 5103-73-1 В3 eA1 99 NA 1.400 American 0% American Robin based on the LANL LOAEL, which will result in this analyte moving Category 6. to Category 1 for elimination. Screen-out by all NDs; all DDT and metabolites used as surrogate. o,p'-DDD was only analyzed for in the 2010 Dow samples liminate based or RLs ≤ all Part 201/EPA ot detected; 100% RLs meet the ESLB. Eliminate based on USEPA September 2014 В3 SEPA Eco SS SVOC o,p'-DDD 53-19-0 eA1 FcoSSL his analyte moves from Category 4 to ADEQ Email Chlordane used as surrogate. Not Screen-out by all NDs: al rans-Nonachlor was only analyzed for in the 2010 Dow samples. liminate based or LANL LOAEL liminate based on LANL LOAEL September 2014 RLs ≤ all Part 201/EPA etected; 100% RLs meet the ESLB В3 SVOCS trans-Nonachlor 39765-80-5 eA1 American his analyte moves from Category 4 to American Robin MDEQ Email Robin 1,2-Dichloropropane used as surrogate. 2,2-Dichloropropane was only analyzed for in the 2010 Dow and Screen-out by all NDs; all minate based or JSEPA Regio Eliminate based on US EPA RLs ≤ all Part 201/EPA Not detected; 100% RLs meet the ESLB. MDEQ samples. September 2014 В3 2,2-Dichloropropane 594-20-7 eA1 127 NA 32,700 5 ESL Region 5 ESL his analyte moves from Category 4 to MDEQ Email Screen-out by all NDs; all Endrin used as surrogate. Not Endrin ketone was only analyzed for in the 2005 Dow On-Site Based on 5 RLs ≤ all Part 201/EPA etected; 64% RLs meet the ESLB. This sampling effort and in the 2010 MDEQ samples. Out of 56 total September 2014 E analyte moves from Category 4 to samples collected, 20 samples (36%) have reporting limits that Norking Meeting # criteria exceed the ESLB. Of those 20 samples, only 2 of them are off-site total endrins will be Category 9. iminate based on LANL LOAEL discussed in the LANL LOAEL O1-02 6-12" (18 ug/kg) and B1-01 6-12" (180 ug/kg). Both of these Pesticide Endrin ketone 53494-70-5 В3 eA1 56 NA 14 36% #9 Mammals Mammals sample locations are associated with an off-site source not related Uncertainty Analys to the MAS historical release. The location of this maximum RL is n the area where a removal action was completed for the rail spu Uncertainty Discussion: Analyte was 1,1,2-Trichlorotrifluoroethane was only analyzed for in the 2010 MDEQ Agrees with 01/EPA criteria but hav ot detected; ESLB, TRV or surrogate IDEQ samples. This analyte was also eliminated for HH in part ddressing this evated RLs for NDs: not available. The likelihood that it ased on 80% of total samples having RLs < criteria and it was onl nalvte in inated through a nalyzed for in the 2010 MDEQ samples with elevated RLs. ight be present at levels of concern is **Jncertainty Analys** Uncertainty Discuss in Uncertainty Analysis (4 September 2014 1,700 VOCs 1,1,2-Trichlorotrifluoroethane 76-13-1 D4, E1 eA1 HH, no Eco 28 0% 4% NA view of spatial sidered low. However, in the event Analysis MDEQ Email and 5 that the analyte is present, the ootential risk could be underestimated September 2014 Meeting)

									1		L-based ESLB E			based ESLB Eva		1					
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL- based ESLB ug/kg	Source of NOAEL ESLB	% RLs Exceed	LOAEL-based		% RLs Exceed LOAEL ESLB	New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
SVOCs	1,2-Diphenyl-hydrazine	122-66-7	D4, E1	eA1	HH, no Eco	33	0.27	0%	100%	NA				-		Uncertainty Analysis	Not detected above Part 201/EPA criteria but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.	t analyte, the RLs only exceeded the EPA Protection of GW SSL and not the Residential Soil RSL.		MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	1,3-Dichloropropane	142-28-9	D4, E1	eA1	HH, no Eco	28	250	0%	50%	NA						Uncertainty Analysis	Not detected above Part 201/EPA criteria but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.	analyte, the RLs only exceeded the EPA Protection of GW SSL and not the Residential Soil RSL.	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	2,6-Dimethylphenol	576-26-1	D4, E1	eA1	HH, no Eco	33	330	0%	97%	NA						Uncertainty Analysis	Not detected above Part 201/EPA criteria but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	2-Propanol	67-63-0	D4, E1	eA1	HH, no Eco	28	9,400	0%	82%	NA			-			Uncertainty Analysis	Not detected above Part 201/EPA criteria but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Ethyl ether	60-29-7	D4, E1	eA1	HH, no Eco	51	200	0%	55%	NA						Uncertainty Analysis	Not detected above Part 201/EPA criteria but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.	t	nc Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Ethylene oxide	75-21-8	D4, E1	eA1	HH, no Eco	28	0.0091	0%	100%	NA						Uncertainty Analysis	Not detected above Part 201/EPA criteria but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Pentochlorethane	76-01-7	D4, E1	eA1	HH, no Eco	72	0.36	0%	100%	NA		-				Uncertainty Analysis			Pentochlorethane was only analyzed for in the 2006 COM Blinded Sampling effort. This analyte was eliminated for HH in part because it was a 2005/2006 analyte that was eliminated from all 5 2010 sampling. Additionally, there was no MDEQ criteria and the EPA RSLs were used. For this analyte, the RLs only exceeded the EPA Protection of GW SSL and not the Residential Soil RSL.		MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	trans-1,4-Dichloro-2-butene	110-57-6	D4, E1	eA1	HH, no Eco	123	0.00054	0%	100%	NA						Uncertainty Analysis	Not detected above Part 201/EPA criteria but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
Pesticides	Tris(2,3- dibromopropyl)phosphate	126-72-7	D4, E1	eA1	HH, no Eco	33	930	0%	18%	NA		-				Uncertainty Analysis	Not detected above Part 201/EPA criteria but have elevated RLs for NDs; Eliminated through a review of spatial distribution		t	s Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)

										NOAEL	-based ESLB Ev	aluation	LOAEL-b	ased ESLB Eval	uation		_				
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL- based ESLB ug/kg	Source of NOAEL ESLB	% RLs Exceed NOAEL ESLB	LOAEL-based ESLB ug/kg	Source of LOAEL ESLB	% RLs Exceed LOAEL ESLB	New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
SVOCs	(E)-alpha,beta-2,3,4,5,6- Heptachlorostyrene	29086-38-2	В3	eA1		99				NA					1	Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis s (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	(E)-beta-2,3,4,5,6- Hexachlorostyrene	90301-92-1	В3	eA1		99				NA				+	1	Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	(Z)-alpha,beta-2,3,4,5,6- Heptachlorostyrene	29086-39-3	В3	eA1		99				NA					+	Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	(Z)-beta-2,3,4,5,6- Hexachlorostyrene	90301-93-2	В3	eA1		99				NA				-	1	Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis S (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	2,3,4,5,6-Pentachlorostyrene	14992-81-5	В3	eA1		99				NA	-	-			-	Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	4-Chlorotoluene	106-43-4	В3	eA1	HH, no Eco	127	2,500	0%	0%	NA			-		-	Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis s (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	4-tert-Butylphenol	98-54-4	В3	eA1		99				NA		-			-	Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.	t	. Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis 4 (September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	alpha-2,3,4,5,6- Hexachlorostyrene	68705-15-7	В3	eA1		99				NA	-	-	-		-	Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis s (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Benzyl dichloride	98-87-3	B3	eA1		33				NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated.	t	s. Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis S (4 September 2014 MDEQ Email and 5 September 2014 Meeting)

Ecological Screening Results - Category 4 Part II - Remedial Investigation Report

The Dow Chemical Company, Michigan Operations

										NOAE	L-based ESLB E	valuation	LOAEL-	based ESLB Eva	luation						
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL- based ESLB ug/kg	Source of NOAEL ESLB		LOAEL-based ESLB ug/kg	Source of LOAEL ESLB	% RLs Exceed LOAEL ESLB	New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
SVOCs	beta,beta-2,3,4,5,6- Heptachlorostyrene	29082-75-5	B3	eA1		99				NA					-	Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.	beta,beta-2,3,4,5,6-Heptachlorostyrene was only analyzed for in the 2010 Dow samples.	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Bisphenol-A	80-05-7	B3	eA1	HH, no Eco	99	140,000	0%	0%	NA					-	Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.	Bisphenol-A was only analyzed for in the 2010 Dow samples.	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Bromobenzene	108-86-1	B3	eA1	HH, no Eco	51	550	0%	0%	NA			-			Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.	Bromobenzene was only analyzed for in the 2005 Dow On-Site samples and the 2010 MDEQ samples.	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Caprolactam	105-60-2	В3	eA1	HH, no Eco	33	120,000	0%	0%	NA			-			Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.	Caprolactam was only analyzed for in the 2010 MDEQ samples.	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Chlorobromomethane	74-97-5	B3	eA1		51				NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.	Chlorobromomethane was only analyzed for in the 2005 Dow On- Site sampling effort and the 2010 MDEQ samples.	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Chloroethane	75-00-3	B3	eA1	HH, no Eco	123	8,600	0%	0%	NA		-				Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.	Chloroethane was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and in the 2010 MDEQ samples.	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Cyclohexanone	108-94-1	B3	eA1	HH, no Eco	28	17,000	0%	0%	NA		-				Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Ethyl methanesulfonate	62-50-0	В3	eA1		72		-		NA		-			-	Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.			MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
svocs	Hexachloropropene	1888-71-7	В3	eA1		72				NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)

										NOAE	L-based ESLB E	valuation	LOAEL-b	ased ESLB Eva	luation		_				_
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL- based ESLB ug/kg	Source of NOAEL ESLB	% RLs Exceed NOAEL ESLB	LOAEL-based ESLB ug/kg	Source of LOAEL ESLB	% RLs Exceed LOAEL ESLB	New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
VOCs	n-Butanol	71-36-3	B3	eA1	HH, no Eco	28	19,000	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Ronnel	299-84-3	B3	eA1	HH, no Eco	99	17,000	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Trihalomethanes, Total	STL00209	83	eA1	-	28				NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	2-Chloroethyl vinyl ether	110-75-8	B1	eA1	HH, no Eco	28	1,900,000	0%	0%	NA			-			Uncertainty Analysis	Screen-out by all NDs; RLs met MDEQ target detection levels	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	4,4'-Methylene bis(2- chloroaniline)	101-14-4	B1	eA1	HH, no Eco	33	6,800	0%	0%	NA				-		Uncertainty Analysis	Screen-out by all NDs; RLs met MDEQ target detection levels	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Ethyl tert-Butyl Ether	637-92-3	B1	eA1	HH, no Eco	99	980	0%	0%	NA		-				Uncertainty Analysis	Screen-out by all NDs; RLs met MDEQ target detection levels	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Isopropyl Ether	108-20-3	B1	eA1	HH, no Eco	99	600	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; RLs met MDEQ target detection levels	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Methyl-t-butyl ether	1634-04-4	B1	eA1	HH, no Eco	23	800	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; RLs met MDEQ target detection levels	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	t-Butanol	75-65-0	B1	eA1	HH, no Eco	99	78,000	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; RLs met MDEQ target detection levels	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)

										NOAEL	based ESLB Ev	aluation	LOAEL-	based ESLB Ev	valuation						
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL- based ESLB ug/kg	Source of NOAEL ESLB	% RLs Exceed NOAEL ESLB	LOAEL-based ESLB ug/kg	Source of LOAEL ESLE	% RLs Exceed LOAEL ESLB	New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
VOCs	tert-Amyl Methyl Ether	994-05-8	B1	eA1	HH, no Eco	99	3,900	0%	0%	NA			-			Uncertainty Analysis	Screen-out by all NDs; RLs met MDEQ target detection levels	S Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.	tert-Amyl Methyl Ether was only analyzed for in the 2010 Dow samples.	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	bis(2-Chloroisopropyl)ether	39638-32-9	B2	eA1		23				NA						Uncertainty Analysis	Screen-out by off-site NDs; RLs met MDEQ target detection levels		bis(2-Chloroisopropyl)ether was only analyzed for in the 2005 Dow On-Site Sampling effort. This analyte was not carried forward into the 2010 sampling campaign.	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Hexabromobenzene	87-82-1	B2	eA1	HH, no Eco	8	5,400	0%	0%	NA						Uncertainty Analysis	Screen-out by off-site NDs; RLs met MDEQ target detection levels	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.	Hexabromobenzene was only analyzed for in 8 samples of the 2005 Dow On-site sampling effort. This analyte was not carried forward into the 2010 sampling campaign.	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Hexabromobiphenyl	HEX - varies	B2	eA1	HH, no Eco	8	1,200	0%	0%	NA						Uncertainty Analysis	Screen-out by off-site NDs; RLs met MDEQ target detection levels	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.	Hexabromobiphenyl was only analyzed for in 8 samples of the 2005 Dow On-site sampling effort. This analyte was not carried forward into the 2010 sampling campaign.		MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)

Ecological Screening Results - Category 5

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														NOAEL	-based ESLB Ev	valuation		1	LOAEL-based	ESLB Evaluation	n	1							
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Ou Eco	Lower crit	teria FWS E	Email Detection Frequen	. Samples Detected	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL-based ESLB ug/kg	Source of NOAEL ESLB	% Detects Exceed NOAEL ESLB	% RLs Exceed NOAEL ESLB	Max Detected Off-site (ug/kg)	LOAEL- based ESLB (ug/kg)	Source of LOAEL ESLB	% Detects Exceed LOAEL ESLB	% RLs Exceed LOAEL ESLB	Max Detected Off-site (ug/kg)	New LOAEL- based HQ	New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
VOCs	2-Chlorotoluene	95-49-8	D2	eA2	HH, no E	Eco #	ł5 1%	1	127	3,300	0%	0%	9,955	NOAEL American Robin	0%	0%	143.5	100,000	LOAEL American Robin	0%	0%	143.5	0.001	#1,7	All results meet HHRA criteria	Detected in only 1 sample out of 127 total samples collected, All detects < ESLB; 100% RLs meet ESLB. Lowest Human Health criteria is < ESLB and screened out of HHRA. This analyte moves from Category 5 to Category 1.	2-Chlorotoluene was detected in only 1 sample out of 127 total samples collected. The one off-site sample was from the 2010 Dow sampling effort (F1-01 at a concentration of 143.5 ug/kg). There have been no on-site samples analyzed for 2-chlorotoluene. There is no ESLB. When a NOAEL-based ESLB is calculated, all detected concentrations and RLs are less than the NOAEL-based ESLB. Recommend elimination based on the NOAEL-based ESLB valuation. When a LOAEL-based ESLB is calculated, all RLs meet the value. Screening HQ based on the LOAEL is 0.001.	Recommend elimination based on NOAEL-based ESLB	Eliminated based on 4 B. September 2014 MDEQ Email
SVOCs	Propachlor	1918-16-7	D2	eA2	HH, no E	Eco #5	<i>t</i> 5 1%	1	99	1,900	0%	0%	691	NOAEL Northern Cardinal	0%	0%	16.66	6,910	LOAEL Northern Cardinal	0%	0%	16.66	0.002	#1,7	All results meet HHRA criteria	samples collected; All detects < ESLB; 100% RLs meet ESLB. Lowest Human	Propachlor was only detected in 1 sample out of 99 total samples collected. This 1 sample was from the 2010 Dow sampling effort (F1-01 at 16.166 ug/kg). There have been no on-site samples analyzed for propachlor. There is no ESLB for propachlor. When a NOAEL-based ESLB is calculated for Propachlor, all detected concentrations and RLs are less than the NOAEL-based value. Recommend elimination based on the NOAEL-based SLB. When a LOAEL-based ESLB is calculated, the detected result and the RLs all meet this level. The LOAEL-based screening HQ is 0.002.	Recommend elimination based on NOAEL-based ESLB	Eliminated based on 4 B. September 2014 MDEQ Email
Pesticides	Azobenzene	103-33-3	D2	eA2	HH, no E	Eco #!	f5 4%	2	56	4,200	0%	0%	1,574	NOAEL American Robin	0%	4%	No off-site detections	15,700	LOAEL American Robin	0%	0%	No off-site detections		#1,7	All results meet HHRA criteria	Detected in 2 samples out of \$6 total samples collected; All detects < ESLB; 100% RLs meet ESLB. Lowest Human Health criteria is < ESLB and screened out of HHRA. This analyte moves from Category 5 to Category 1.	Arobenzene was detected in 2 samples out of 56 total samples. Both detections were on-site in DOS-22 and DOS-8. There is no ESLB for azobenzene. When a NOAEL-based ESLB is calculated, both detections and 96% of RLS are less than this value. The 2 RLS that exceed the NOAEL-based ESLB are located on-site at DOS-17 and DOS-20. Recommend elimination based on NOAEL-based ESLB. When a LOAEL-based ESLB. Calculated, both detections and all RLs are less than this LOAEL-based value. Azobenzene was never detected off-site.	Recommend elimination based on detection frequency and NOAEL-based ESLB.	Eliminated based on 4 September 2014 d MDEQ Email
SVOCs	1,3,5-Trimethylbenzene	108-67-8	D2	eA2	HH, no E	Eco #3	f5 4%	2	51	1,100	0%	0%	12,912	NOAEL American Robin	0%	0%	74	129,000	LOAEL American Robin	0%	0%	74	0.0006	#1,7	All results meet HHRA criteria	Detected in 2 samples out of 51 total samples collected; All detects < ESLB; 100% RLS meet ESLB. Lowest Human Health criteria is < ESLB and screened out of HHRA. This analyte moves from Category 5 to Category 1.	1,3,5-Trimethylbenzene was detected 2 times out of 51 total samples. It was detected one time on-site in DOS-2 [81 ug/kg] and one time off-site at 81-01 (74 ug/kg). B1-01 is a sample location associated with an off-site source not related to the MAS historical release. There are no other off-site detections. There is no ESLB available for 1,3,5-trimethylbenzene. When a NOAEL-based ESLB is calculated, both detections and all RLs are less than this value. Recommend elimination based on the NOAEL-based ESLB. When a LOAEL-based ESLB is calculated, both detected concentrations and all of the RLs are less than this LOAEL-based value. The LOAEL-based screening HQ is 0.0006.		Eliminated based on 4 B. September 2014 MDEQ Email
VOCs	Cresol, Total	MEPH1314	D4, E1	eA2	HH, no E	Eco #!	<i>i</i> 5 33%	75	227	1,000	0%	16%	675	NOAEL Northern Cardinal	0%	27%	237	6,750	LOAEL Northern Cardinal	0%	0.4%	237	0.04	#1,7	All results meet HHRA criteria; 16% of RLs exceed HHRA criteria; Eliminated based on spatial distribution	samples collected; All detects < ESLB; 99.6% RLs meet ESLB. Lowest Human	Total cresol was detected in 75 of 227 total samples. All of the detections occurred off-site. It was detected in 3 of the 2010 Dow samples and all remaining detections were in the 2006 COM Blinded Sampling effort. The maximum detected off-site concentration was found at 11a-02 1-6" (237 ug/kg). It was not detected on-site. There is no ESLB for total cresol. When a NOAEL-based ESLB is calculated, all detections and 73% of RLs are less than this level, all originating from the 2006 COM data set demonstrating adequate off-site sampling density to demonstrate that total cresol is not a COC. The 27% of RLs that exceed the NOAEL-based ESLB are from the on-site DOS sampling and all of the 2010 MDEQ samples. When a LOAEL-based ESLB is calculated, all detections and all RLs, with one exception of the maximum reporting limit (on-site at DOS-20 at 8,200 ug/kg), meeting this LOAEL-based level. Recommend elimination based on the LOAEL-based ESLB. The LOAEL-based SCLB.	Recommend elimination based on LOAEL-based ESLB.	Eliminated based on 4 3. September 2014 MDEQ Email
SVOCs	o-Phenylphenol	90-43-7	D3	eA2	HH, no E	Eco #5	ŧ5 6%	6	99	470	0%	0%	452,119	NOAEL Northern Cardinal	0%	0%	215	2,261,000	LOAEL Northern Cardinal	0%	0%	215	0.0005	#1,8	All results meet HHRA criteria	No detects or RLs exceed the ESLB. Lowest Human Health criteria is < ESLB and screened out of HHRA. This analyte moves from Category 5 to Category 1.	o-Phenylphenol was detected in only 6 samples out of 99 total samples collected. All sample locations were off-site. No on-site samples have been analyzed for this constituent. The off-site maximum detected concentration was detected in the 2010 Dow Sampling effort at F1-01 Or [214.5 ug/Rg]. There is no ESLB for o-phenylphenol. When a NOAEL-based ESLB is calculated, all 6 detected concentrations and RLS meet this NOAEL-based value. Recommend elimination based on the NOAEL-based value.	Recommend elimination based on NOAEL-based ESLB	Eliminated based on B. September 2014 MDEQ Email
VOCs	Isopropylbenzene	98-82-8	D3	eA2	HH, no E	Ēco #3	r5 8%	4	51	3,200	0%	0%	406	NOAEL American Robin	0%	6%	No off-site detections	4,060	LOAEL American Robin	0%	0%	No off-site detections	NA	#1,8	All results meet HHRA criteria	No detects or RLs exceed the ESLB. Lowest Human Health criteria is < ESLB and screened out of HHRA. This analyte moves from Category 5 to Category 1.	isopropylbenzene was detected a total of 4 times out of 51 total samples. The 4 detections were all on-site at DOS-2, DOS-4, DOS-11 and DOS-21. There were no detections off-site. There is no ESLB for isopropylbenzene. When a NOAEL-based ESLB is calculated, all detected concentrations and 94% of RLs are less than this value. The three samples with RLS that exceed the NOAEL-based ESLB are found at 11a-03 0-1" (410 ug/kg), N1-02 0-1" (480 ug/kg) and Site2-02 0-1" (430 ug/kg). When a LOAEL-based ESLB is calculated, all detected concentrations and RLS are less than this value. Recommend eliminating this analyte ba sed on the fact that there were no detections off-site and all reporting limits meet the LOAEL-based ESLB is and the same than	detections and NOAEL-based	Eliminated based on 4 September 2014 ed MDEQ Email
svocs	1,2,4-Trimethylbenzene	95-63-6	D3	eA2	HH, no E	Eco #9	75 18%	9	51	570	0%	0%	8,714	NOAEL American Robin	0%	0%	250	87,100	LOAEL American Robin	0%	0%	250	0.003	#1,8	All results meet HHRA criteria	and screened out of HHRA. This analyte	1,2.4.7-rimethylbenzene was detected in 9 out of 51 total samples. It was detected in 6 on-site samples: DoS-1, DoS-2, DoS-12, DoS-12, DoS-14, DoS-20 and DOS-21; and 3 detections were off-site at 81-01 6-12" (250 ug/kg), B1-03 1-6" (80 ug/kg), 01-02 6-12" (54 ug/kg). The off-site detections are found at sample locations associated with an off-site source not related to the MAS historical release. There is no ESLB for 1,2,4-7rimethylbenzene. When a NOAEL-based ESLB is calculated, all detected concentrations and RLS are less than this value. Recommend elimination based on the NOAEL-based ESLB. When a LOAEL-based ESLB is calculated, 100% of detected concentrations and RLS mere this value. The LOAEL-based screening HQ is less than 1 (0.003).		
vocs	Dibenzofuran	132-64-9	D6, £1	eA2	НН, по Е	Eco #S	<i>i</i> 5 43%	24	227	1,700	0.4%	0.4%	2,134	NOAEL American Robin	0%	0%	240	21,300	LOAEL American Robin	0%	0%	240	0.01	#1,8	Dibenzofuran was eliminated based on a review of spatial distribution.		Dibenzofuran was detected in 24 samples out of 227 total samples. 7 of the detections occurred on-site with concentrations ranging from 15 up/kg - 1,800 up/kg (this one detection at DoS-20 was an order of magnitude greater than the next highest detection of 570 at DOS-2). The remainder of the detections were off-site with concentrations ranging from 8.47 to 240 ug/kg. The maximum detected off-site concentration (240 ug/kg) was located at 81-02.1-6" from the 2010 Dow sampling effort. Many of the off-site detections were from sample locations at areas with known off-site issues, including: 81, C-02, H-02, O-01, W-03, A2, F1, and O1. The maximum detected concentration from a sample that is not associated with a known off-site issue is 69 ug/kg from Site2-02-0-6". There is no ESLB for dibenzofuran. When a NOAEL-based ESLB is calculated, 1,00% of detected concentrations and RLs are less than this value. When a LOAEL-based ESLB is calculated, all detected concentrations and RLs are less than the NOAEL-based ESLB is calculated, all detected concentrations and RLs are less than the NOAEL-based ESLB is calculated, all detected oncentrations and RLs are less than the NOAEL-based ESLB.	based ESLB	Eliminated based on 4 September 2014 MDEQ Email

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														NOAEL-b	ased ESLB Eva	aluation		1	LOAEL-based	ESLB Evaluatio	n	1							
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out	t Lower crite	eria FWS Email	Detection Frequency	No. Samples Detected	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL-based So ESLB ug/kg NO	ource of	% Detects	% RIs	Max Detected Off-site (ug/kg)	LOAEL- based ESLB (ug/kg)		% Detects Exceed LOAEL ESLB	% RLs Exceed	Max Detected Off-site (ug/kg)		New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
vocs	Molybdenum	7439-98-7	D6, E1	eA2	HH, no Ec		61%	30	56	1,500	2%	39%	71,073 N	NOAEL Iorthern Cardinal	0%	0%	2000	355,000	LOAEL Northern Cardinal	0%	0%	2000	0.01	#1,8	Molybdenum was eliminated based on a review of spatial distribution.	No detects or RLs exceed the ESLB. Lowest Human Health criteria is < SLB and screened out of HHRA. This analyte moves from Category 5 to Category 1.	Molybdenum was detected in 30 out of 56 total samples. Only 1 detection was on-site at DOS-10 (390 ug/kg). The remaining detections were off-site and ranged in concentration from 95 - 2,000 ug/kg. The maximum detected off-site concentration was located at 81-03 0-1" (2,000 ug/kg) in the 2010 MDG sampling effort. Many of the detections occurred in sample locations associated with an off-site source not related to the MAS historical release, including: A2, B1, F1, I1a, Q1, and W1. The maximum detected concentration from a sample that is not associated with an off-site source not related to the MAS historical release is 640 ug/kg from Site 13-10 -1". There is no ESIB available for Molybdenum. When a NOAEL-based ESIB is calculated all detected concentrations and RLs are less than this value. Recommend elimination based on the NOAEL-based ESIB. When a LOAEL-based ESIB is calculated. Site is detected concentrations and RLs are less than this value.	Eliminate based on NOAEL- based ESLB	- Eliminated based on 4 September 2014 MDEQ Email
SVOCs	Lithium	7439-93-2	D6, E2	eA2	HH, no Ec	co #5	100%	155	155	3,400	72%	0%	38,640 A	NOAEL merican Robin	0%	0%	16569	386,000	LOAEL American Robin	0%	0%	16569	0.04	#1,8		No detects or RLs exceed the ESLB. Lowest Human Health Criteria is < ESLB and screened out of HHRA. This analyte moves from Category 5 to Category 1.	Lithium was detected in all 155 samples (100% detection frequency). On- site detected concentrations ranged from 2,490 ug/kg (1005-13) - 12,800 ug/kg (1005-2). Detected off-site concentrations ranged from 1,040 ug/kg (A2-01 6-12") - 16,569 ug/kg (B1-01 6-12"). There is no ESLB for lithium. When a NOAEL-based ESLB is calculated, all detected concentrations are less than the NOAEL-based value. When a LOAEL- based ESLB is calculated, all detected concentrations are less than the LOAEL-based value. Recommend elimination based on NOAEL-based ESLB.		- Eliminated based on 4 September 2014 MDEQ Email
SVOCs	Endosulfan, Total	115-29-7	D3	eA2	HH, no Ec	co #5	59%	75	128	1,400,000	0%	0%		-			42	150,000	LANL (American Robin)	0%	0%	42	0.0003	#1,8	All results meet HHRA criteria	No detects or RLs exceed the ESLB. Lowest Human Health criteria is < ESLB and screened out of HHRA. This analyte moves from Category 5 to Category 1.		Eliminate based on comparison to LANL American Robin criteria and totals evaluation	Eliminated based on 4 September 2014 d MDEQ Email
Metals	Strontium	7440-24-6	D6, E2	eA2	HH, no Ec	co #5	100%	155	155	92,000	3%	0%		-			190000	960,000	LANL (Deer Mouse)	0%	0%	190000	0.2	#1,8		No detects or RLs exceed the ESLB. Lowest Human Health Criteria is < ESLB and screened out of HHRA. This analyte moves from Category 5 to Category 1.	Strontium was detected in all 155 samples (100% detection frequency). It was detected on-site at concentrations ranging from 7,830 ug/kg (DOS-13)-181,000 ug/kg (DOS-13). Off-site detected concentrations ranged from 2,100 ug/kg (Stel 1-13 6-12")-190,000 ug/kg (B1-01 6-12"). After the maximum detected concentration, the next highest concentration is found at G1-02 (113,806 ug/kg) and G1-03 (79,000 ug/kg). The USGS background value for all data (Mean+15D) for strontium is 108,000 ug/kg. There are 10 samples that exceed this value. 8 of those 10 samples are on-site. The 2 samples that are off-site include G1-02 6-12" (113,006 ug/kg) and B1-01 6-12" (190,000 ug/kg). Sample are a B1 is associated with an off-site source not related to the MAS historical release. Recommend elimination based on the USGS Background Value.	comparison to LANL Deer Mouse criteria and USGS Background	Eliminated based on 5 September 2014 meeting based on USGS background.
Metals	Carbazole	86-74-8	D3	eA2	HH, no Ec	50 #5	17%	23	132	1,100	0%	0%		-	-		343	800,000	LANL (Deer Mouse)	0%	0%	343	0.0004	#1,8	All results meet HHRA criteria		were off-site. There is no on-site data for carbazole. 22 of the sample detections were in the 2010 Dow data set and 1 was in the 2010 MDEQ data set. The maximum detected off-site concentration was located at	Eliminate based on comparison to LANL Deer Mouse criteria	Eliminated based on 4 September 2014 MDEQ Email
VOCs	Mirex	2385-85-5	D2	eA2	HH, no Ec	co #5	4%	2	56	9,600	0%	0%	66 A	NOAEL merican Robin	0%	5%	No off-site detections	330	LOAEL American Robin	0%	0%	No off-site detections	-	#7	All results meet HHRA criteria	Detected in 2 samples out of 56 total samples collected; All detects < ESLB, 100% RLS meet ESLB. This sample move from Category 5 to Category 7.	Mirrex was only detected in 2 samples out of 56 total samples. The two detections were on-site at DOS-1 and DOS-2. There is no ESLB for mirex. When a NOAE-based ESLB is calculated, all detected concentrations and 95% of RLs are less than this value. The three RLs that exceed the NOAEL-based value are found on-site (DOS-17, DOS-20) and one off-site location (B1-01), which is associated with off-site source not related to the MAS historical release. When a LOAEL-based ESLB is calculated, all detected concentrations and RLs are less than this value. Recommend eliminate based on no-off-site detections and NOAEL-based ESLB.	detected off-site and the NOAEL-based ESLB	Eliminated based on 4 September 2014 MDEQ Email
VOCs	1,1-Dichloropropene	563-58-6	C1, E1	eA2		#5	1%	1	127	-	-		3,136 A	NOAEL merican Robin	0%	0%	9	31,400	LOAEL Northern Cardinal	0%	0%	9	0.0003	#7	Only detected once off-site Eliminated on 7/8/11 Con call		was detected off-site at O1-03 6-12" at a concentration of 9 ug/kg. It	Eliminate based on detectic frequency and NOAEL-base ESLB	
VOCs	Benzoic acid	65-85-0	D3	eA2	HH, no Ec	co #5	15%	5	33	640,000	0%	0%	8,680 A	NOAEL merican Robin	0%	0%	1500	86,800	LOAEL American Robin	0%	0%	1500	0.02	#8	All results meet HHRA criteria	analyte moves from Category 5 to Category 8.	Benzoic acid was detected in 5 samples out of 33 total samples. It was only analyzed for in the MDEQ 2010 samples and all 5 detections were off-site (11a-021-6°, 11a-02 6-12", 11a-03 0, 10-02, Site 1-13). The maximum detected off-site concentration was found at 11a-02 6-12" (1,500 ug/kg). There is no ESLB for benzoic acid. When a NOAEL-based ESLB is calculated, all detections and reporting limits are less than this value. When a LOAEL-based ESLB is calculated, all detections and reporting limits are below this value. Recommend elimination based on the NOAEL-based ESLB.	based ESLB	September 2014 MDEQ Email
Metals	Tetrahydrofuran	109-99-9	D3	eA2	HH, no Ec	co #5	16%	8	51	1,900	0%	0%	180 N	NOAEL lorthern Cardinal	0%	55%	No off-site detections	1,800	LOAEL Northern Cardinal	0%	2%	No off-site detections	NA	#8	All results meet HHRA criteria	No detects exceed the ESLB; 98% RLs meet ESLB. This analyte moves from Category 5 to Category 8.	Tetrahydrofuran was detected in 8 samples of the 51 total samples. All 8 detections were on-site at DOS-1, DOS-2, DOS-3, DOS-3, DOS-5, DOS-6, DOS-5, DOS-6, DOS-5, DOS-6, DOS-5, DOS-6, DOS-5, DOS-6, DOS-5, DOS-6, DOS-7, and DOS-8. It was not detected off-site. There is no ESLB for tetrahydrofuran. If a NOAEL-based ESLB is calculated, all detected concentrations and 45% of RLs are less than this value. The on-site data set had RLs that were less than the NOAEL-is all colaborated but the 2010 MDEQ data set RLs all exceed the NOAEL. If a LOAEL-based ESLB is calculated, all detected concentrations are less than this value and one RL exceeds this value (NL-20 -11.900 oug/R). The LOAEL-based value is 1,800 ug/Rg and the lowest human health criteria is 1,900 ug/Rg. Tetrahydrofuran was eliminated because all detected concentrations and RLs met the lowest human health criteria. Recommend elimination based on the LOAEL-based ESLB.	based ESLB	Eliminated based on 4 September 2014 MDEQ Email
Pesticides	1,2,3-Trimethylbenzene	526-73-8	C2, E1	eA2		#5	13%	13	99				8,379 A	NOAEL merican Robin	0%	0%	45	83,800	LOAEL American Robin	0%	0%	45	0.001	#8	Eliminated on 10/6/11 Con call	No detects or RLs exceed the ESLB. This analyte moves from Category 5 to Category 8.	1,2,3-Trimethylbenzene was only detected in 13 of 99 total samples. The detections were off-site. The detected concentrations ranged from 5-45 cug/kg. The maximum detected concentration was found at A-20-612°. There is no ESLB for 1,2-3-trimethylbenzene. When a NOAEL-based ESLB is calculated, all detected concentrations and Ris are less than the NOAEL-based value. When a LOAEL-based ESLB is calculated, all detected concentrations and Ris are less than the LOAEL-based value. Recommend elimination based on NOAEL-based value.	distribution and NOAEL- based ESLB.	Eliminated based on 4 September 2014 MDEQ Email

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Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criter	ria FWS Email	Detection Frequency	No. Samples Detected	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL-based ESLB ug/kg	Source of NOAEL ESLB	% Detects Exceed NOAEL ESLB	% RLs Exceed NOAEL ESLB	Max Detected Off-site (ug/kg)	LOAEL- based ESLB (ug/kg)	Source of LOAEL ESLB	% Detects Exceed LOAEL ESLB		Max Detected Off-site (ug/kg)		New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
Metals	p-Isopropyltoluene	99-87-6	C2, E1	eA2		#5	17%	4	23	-	-		874	NOAEL American Robin	0%	0%	No off-site detections	8,740	LOAEL American Robin	0%	0%	No off-site detections	NA	#8	on-site, not sampled off- site. Eliminated on 7/8/11 Con call.	analyte moves from Category 5 to Category 8.	The four detections include DOS-1 (8.6 ug/kg), DOS-2 (8.3 ug/kg), DOS-7 (37 ug/kg), and DOS-20 (52 ug/kg). This analyte was not included in the 2010 sampling campaign. There is no ESLB for p-isopropytoluene. When a NOAEL-based ESLB is calculated, all detected concentrations and RLs are less than the NOAEL-based value. When a LOAEL-based ESLB is calculated, all detections and RLs are less than this value. Recommend elimination based on the NOAEL-based ESLB.		Eliminated based on 4 September 2014 MDEQ Email
svocs	Titanium	7440-32-6	C2, E1	eA2		#5	100%	23	23	-	-		4,072	NOAEL American Robin	100%	0%	No off-site detections	40,700	LOAEL American Robin	100%	0%	No off-site detections	NA	#8		titanium. It was eliminated based on		distribution and USGS Background.	Eliminated based on September 2014 September 2014 meeting based on USGS background.
Metals	Aluminum	7429-90-5	D6, E1	eA2	HH, no Eco	o #5	100%	155	155	1,000	100%	0%		-					-		-	-	-	#8		Aluminum is not considered a bioaccumulative chemical of concern, an thus toxicity to birds such as the robin and cardinal are not a concern.	Aluminum was detected in all 155 samples (100% detection frequency). It was detected on-site at concentrations ranging from 1,270,000 ug/kg (DOS-1). It was detected off-site at concentrations ranging from 416,874 ug/kg (G1-02 6-12") - 12,000,000 ug/kg (O1-01 1-6"). Statewide Background is 6,900,000 (mean + 1 std dev) and Modified Urban Background is 11,673,000 ug/kg (mean - 1 std dev). While 11 off-site concentrations exceed the Statewide Background value, only 1 off-site detected concentration exceeds the Modified Urban Background (12,000,000 ug/kg at O1-01 1-6"). Sample location O1 is the location of a known off-site issue. Recommend elimination based on background evaluation.		Eliminated in 21 August 2014 meeting based on Spatial Distribution and Review of Background
Metals	Sodium	7440-23-5	D3	eA2	HH, no Eco	io #5	61%	34	56	2,500,000	0%	0%		-	-		-	Nutrient	-	-		-	-	Uncert	All results meet HHRA criteria	above naturally occurring levels), and (3) toxic only at very high doses need not be considered further in the quantitative ris assessment. Examples of such chemicals	Sodium was detected in 34 of 56 total samples. It was detected in 10 on- tite samples at concentrations ranging from 42,000 to 1,940,000 ug/kg. It was detected in 24 off-site samples at concentrations ranging from 72,000 - 220,000 ug/kg. The maximum off-site detected concentration occurred at Bi-10 6-12" (220,000 ug/kg.) The highest concentrations are found at sample locations with known off-site issues (BI, IIa, FI, etc). The highest concentration at the remaining off-site sample locations is at Site 2-02 0-1" (150,000 ug/kg). Recommend elimination based on it being an essential nutrient and it will be discussed in the Uncertainty Section.	in Uncertainty Section and Eliminate.	September 2014 MDEQ Email; Discuss in Uncertainty Section
Metals	Potassium	7440-09-7	C2, E1	eA2		#5	91%	21	23		-				-		-	Nutrient		-		-	-	Uncert	Compound not necessarily of concern for human health; Eliminated on 7/8/11 Con call.	above naturally occurring levels), and (3) toxic only at very high doses need not be	samples collected) for this analyte were on-site. This analyte was not included in the 2010 sampling campaign. The range of detected concentrations was 235,500 ug/kg (DOS-19) - 1,830,000 ug/kg (DOS-10). Recommend elimination based on it being an essential nutrient and it will be discussed in the Uncertainty Section.	Essential Nutrient - Discuss in Uncertainty Section and Eliminate.	
Metals	Calcium	7440-70-2	C2, E1	eA2		#5	100%	23	23	NA								Nutrient				-	-	Uncert	Calcium was eliminated based on a review of spati- distribution.		x	Essential Nutrient - Discuss in Uncertainty Section and Eliminate.	
Metals	Iron	7439-89-6	D6, E1	eA2	HH, no Eco	.o #5	100%	56	56	6,000	100%	0%		-	-			Nutrient	-	-	-	-	-	Uncert	Iron was eliminated based on a review of spatial distribution.	chemical of concern, and thus toxicity to	Iron was detected in all 56 samples (100% detection frequency). It was detected on-site at concentrations ranging from 2,415,000 ug/kg (DOS-19) - 30,200,000 ug/kg (DOS-1). Detected off-site concentrations ranged from 2,100,000 ug/kg (G1-03 6-12") - 14,000,000 ug/kg (D1-02 6-12"). Statewide background (mean + 1 std dev) is 21,916,000 ug/kg. And Modified Urban Background (mean + 1 std dev) is 21,916,000 ug/kg. Only 2 detections off-site exceed Statewide Background 14,000,000 ug/kg at 10-26 f-12" and 13,000,000 ug/kg at 11-03 6-12". All off-site detected concentrations are below the Modified Urban Background value. Recommend elimination based on essential nutrient and background evaluation.	background evaluation and	Eliminated based on 4 September 2014 MDEQ Email; Discuss in Uncertainty Section
VOCs	Cyclohexane	110-82-7	D2	eA2	HH, no Eco	o #5	3%	3	99	13,000	0%	0%	-	-	-		-	NA	-	-	-	-	-	Eliminate	All results meet HHRA criteria	surrogate not available. The likelihood that it might be present at levels of	Cyclohexane was only detected 3 times out of 99 total samples in the 7 2010 Dow sampling effort. The three detections were found at the following locations: A2-02 6-12* (137 ug/kg), B1-01 6-12* (81 ug/kg), Site1-07 1-6* (11 ug/kg). The two highest detections were found in sample locations where there are known off-site issues (A2 and 81). The	Eliminate based on detection frequency / spatial distribution	on Eliminated in 21 August 2014 meeting based on Spatial Distribution
VOCs	tert-Butylbenzene	98-06-6	D2	eA2	HH, no Eco	0 #5	2%	1	51	1,600	0%	0%					No off-site detections	NA		-		No off-site detections	-	Eliminate	All results meet HHRA criteria	detected at a low frequency; ESLB, TRV o surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.	effort in DOS-2 at 37 ug/kg.	frequency and spatial distribution - no detections off-site.	September 2014 MDEQ Email
VOCs	n-Butylbenzene	104-51-8	D2	eA2	HH, no Eco	io #5	4%	2	51	1,600	0%	0%			-		No off-site detections	NA		-		No off-site detections		Eliminate	All results meet HHRA criteria	surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.	n-Butylbenzene was detected in only 2 out of 51 total samples. The two detections were on-site in DOS-2 (84 ug/kg) and DOS-21 (99 ug/kg). Therefore, it was never detected off-site.	frequency and spatial distribution - no detections off-site.	September 2014 MDEQ Email
VOCs	sec-Butylbenzene	135-98-8	D3	eA2	HH, no Eco	0 #5	6%	3	51	1,600	0%	0%					No off-site detections	NA				No off-site detections		Eliminate	All results meet HHRA criteria		sec-Butylbenzene was detected in only 3 samples out of 51 total samples collected. The three detections were all on-site in DOS-1 (6.3 ug/kg), DOS-2 (58 ug/kg) and DOS-4 (38.5 ug/kg).	Eliminate based on detection frequency and spatial distribution - no detections off-site.	September 2014

			NOAEL-based ESLB Evaluati														r												
											% Detects	% RLs			L-based ESLB Ev % Detects	% RLs		LOAFL-		% Detects									
Analyte Grou	p Analyte	CAS Numb	er Screened Out H	Screened Ou Eco	Lower criter	ria FWS Ema	Detecti Freque		Total # Samples	Lowest HH Criteria	Exceed HH Criteria	Exceed F	HH NOAEL-based	Source of NOAEL ESLB	Exceed NOAEL	Exceed NOAEL ESLB	Max Detected Off-site (ug/kg)	based ESLB (ug/kg)	Source of LOAEL ESLB	Evened		Max Detected Off-site (ug/kg)		New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
VOCs	N-Propylbenzene	103-65-	. D3	eA2	HH, no Eco	0 #5	10%	6 5	51	1,600	0%	0%			-		No off-site detections	NA	-			No off-site detections		Eliminate	All results meet HHRA criteria		N-Propylbenzene was detected a total of 5 times out of 51 total samples. The 5 detections were all on-site at DOS-2, DOS-3, DOS-4, DOS-5, and DOS-7. There were no detections off-site.	Eliminate based on detecti frequency and spatial distribution - no detections off-site.	September 2014
SVOCs	Benzidine	92-87-5	D4, E1	eA2	HH, no Eco	o #5	7%	7	99	1,000	0%	9%		-	-			NA						Eliminate	All results meet HHRA criteria; 9% of RLs exceed HHRA criteria; Eliminated based on spatial distribution	detected at a low frequency; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the	Benzidine was detected in 7 samples out of 99 total samples in the 2010 Dow samples: Fi-02 0-1", 11a-01 0-1", 11a-01 1-6", 11a-02 0-1", 11a-02 6-12". In 20 3-1", and O1-02 6-12". Concentrations ranged from 239 - 936 ug/kg. The maximum detected concentration was found at 11a-02 6-12". There is no on-site data for benzidine. Each of the off-site detections was at a sample location that is a known off-site issue. Benzidine was eliminated based on spatial distribution for human health. Recommend elimination based on spatial distribution.	frequency and spatial	on Eliminated in 21 August 2014 meeting based on Spatial Distribution
SVOCs	4-Bromophenyl phenyl ether	101-55-	C1, E1	eA2	-	#5	1%	1	128		-				-		No off-site detections	NA		-		No off-site detections		Eliminate	Only detected once on-site. Eliminated on 7/8/11 Con call	detected at a low frequency; ESLB, TRV or	4-Bromophenyl phenyl ether was only detected in 1 sample out of 128 total samples. The 1 detection was on-site at DOS-26 at a concentration of 45 ug/kg. There are no detections off-site.		August 2014 meeting
SVOCs	4-Chlorophenyl phenyl ether	7005-72-	3 C1, E1	eA2	-	#5	1%	1	128		-				-		No off-site detections	NA		-	**	No off-site detections		Eliminate	Only detected once on-site. Eliminated on 7/8/11 Con call	detected at a low frequency; ESLB, TRV or	4-Chlorophenyl phenyl ether was only detected in 1 sample out of 128 total samples. The 1 detection was on-site at DOS-23 at a concentration of 131 ug/kg. There are no detections off-site.		August 2014 meeting
SVOCs	Octachlorostyrene	29082-74	-4 C1, E1	eA2		#5	3%	3	99	-	-			-	-			NA			-	14	-	Eliminate	Eliminated on 10/6/11 Con call	detected at a low frequency; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that he analyte is present, the potential risk could be underestimated.	Octachlorostyrene was detected in 3 of 99 total samples. These 3 detections were off-site at A2-03-01" (12 ug/kg), A2-03-16" (13 ug/kg), and 11a-016-12" (14 ug/kg). There is no on-site data. Octachlorostyrene was eliminated for HH based on a NOAEL comparison of more recent studies performed by MDEG (2011). The older criterion was lower and was based on older toxicity studies. A comparison of NOAELs from more recent studies yielded a calculated criterion that was higher than the detected concentrations off-site. Each of the three off-site detections were found at sample locations of known off-site issues. Recommend elimination based on detection frequency and spatial distribution.		on Eliminated in 21 August 2014 meeting based on Spatial Distribution
SVOCs	1,2,3,4-Tetrachlorobenzene	634-66-	. C2, E1	eA2		#5	11%	6 11	99	-	-			-	-			NA				30		Eliminate	11% Detection frequency; detections off-site north of the northern facility boundary. Eliminated on 7/8/11 Con call	detected at a low frequency; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.	1,2,3,4-Fetrachlorobenzene was detected in 11 of 99 total samples. The detections were off-site around the northern boundary of the facility and the detected concentrations ranged from 10-30 ug/kg. Two sample locations had the maximum detected concentration of 30 ug/kg (A2-01). 6° and B-103 ug/kg). There is no on-site data. Four of the detections were found at the A2 sample location area, three of the detections were in the B1 sample area and four more occurred at the O1 sample area. Each of the sample locations has a known off-site issue.	frequency and spatial distribution.	on Eliminated in 21 August 2014 meeting based on Spatial Distribution
Metals	Thorium	7440-29-	1 C2, E1	eA2	-	#5	94%	6 31	33	-	-			-	_			NA		-	-	3,300	-	Eliminate	Eliminated on 10/6/11 Con call	surrogate not available.	Thorium was detected in 31 of 33 total samples collected. There are no on-site data for thorium. The off-site detections ranged from 440 ug/kg (Pershing 1-01 1-6") -3,300 ug/kg (N1-02 0-1"). During evaluation of the human health pathway, thorium was ellminated from further evaluation based on a review of ATSDR and USGS documentation for detected thorium concentrations across the US. Based on these documents, the ranges of concentrations detected in Midland are similar to those seen across the US.	documentation provided for the human health	

Table 5-10 Ecological Screening Results - Category 6 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower Criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	Source of ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB		Notes - Detection Evaluation	Decision
Herbicides	Silvex (2,4,5-TP)	93-72-1	B1	eB1	Eco	#6	0%	72	2,200	0%	0%	109	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	Silvex was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	S Category Eliminated in 21 August 2014 meeting
VOCs	Vinyl acetate	108-05-4	B1	eB1	Eco	#6	0%	100	13,000	0%	0%	12,700	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	Vinyl acetate was analyzed for in the COM Blinded Sampling effort and the 2010 MDEQ samples. HH criteria and Eco ESLB are in the same order of magnitude.	Category Eliminated in 21 August 2014 meeting
SVOCs	3,3'-Dichlorobenzidine	91-94-1	B1	eB1	Eco	#6	0%	72	2,000	0%	0%	646	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	3,3'-Dichlorobenzidine was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	1,2,4,5-Tetrachlorobenzene	95-94-3	В3	eB1	Eco	#6	0%	72	3,400	0%	0%	2,020	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	1,2,4,5-Tetrachlorobenzene was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort. HH criteria and Eco ESLB are in the same order of magnitude.	Category Eliminated in 21 August 2014 meeting
SVOCs	1-Naphthylamine	134-32-7	В3	eB1	Eco	#6	0%	72				9,340	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	1-Naphthylamine was only analyzed for in the COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	2,6-Dichlorophenol	87-65-0	В3	eB1	Eco	#6	0%	105			-	1,170	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	2,6-Dichlorophenol was only analyzed for in the COM Blinded Sampling effort and the MDEQ 2010 sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	Di-n-octylphthalate	117-84-0	В3	eB1	Eco	#6	0%	95	6,900,000	0%	0%	709,000	USEPA Region 5 ESL	0%	0%			Di-n-octylphthalate was analyzed for in the 2005 Dow On-Site sampling and the COM Blinded Sampling Effort. It was not carried forward to the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	Isosafrole	120-58-1	В3	eB1	Eco	#6	0%	72				9,940	USEPA Region 5 ESL	0%	0%		,	Isosafrole was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	Methapyrilene	91-80-5	В3	eB1	Eco	#6	0%	72				2,780	USEPA Region 5 ESL	0%	0%			Methapyrilene was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	o-Toluidine	95-53-4	В3	eB1	Eco	#6	0%	72				2,970	USEPA Region 5 ESL	0%	0%			o-Toluidine was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	Pentachloronitrobenzene	82-68-8	В3	eB1	Eco	#6	0%	72	37,000	0%	0%	7,090	USEPA Region 5 ESL	0%	0%			Pentachloronitrobenzene was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
VOCs	Bromodichloromethane	75-27-4	В3	eB1	Eco	#6	0%	123	1,200	0%	0%	540	USEPA Region 5 ESL	0%	0%			Bromodichloromethane was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples.	Category Eliminated in 21 August 2014 meeting
VOCs	trans-1,2-Dichloroethene	156-60-5	В3	eB1	Eco	#6	0%	123	2,000	0%	0%	784	USEPA Region 5 ESL	0%	0%			effort, the COM Blinded Sampling effort and the 2010 MDEQ samples.	Category Eliminated in 21 August 2014 meeting
VOCs	Trichlorofluoromethane	75-69-4	В3	eB1	Eco	#6	0%	123	52,000	0%	0%	16,400	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	Trichlorofluoromethane was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. HH criteria and Eco ESLB are in the same order of magnitude.	Category Eliminated in 21 August 2014 meeting
VOCs	Isobutanol	78-83-1	В3	eB1	Eco	#6	0%	100	46,000	0%	0%	20,800	USEPA Region 5 ESL	0%	0%			Isobutanol was analyzed for in the COM Blinded Sampling effort and the 2010 MDEQ samples. HH criteria and Eco ESLB are in the same order of magnitude.	Category Eliminated in 21 August 2014 meeting
SVOCs	1,4-Naphthoquinone	130-15-4	В3	eB1	Eco	#6	0%	72				1,670	USEPA Region 5 ESL	0%	0%			1,4-Naphthoquinone was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	O,O,O-Triethyl Phosphorothioate	126-68-1	В3	eB1	Eco	#6	0%	72				818	USEPA Region 5 ESL	0%	0%			O,O,O-Triethyl Phosphorothioate was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	O,O-Diethyl O-2-Pyrazinyl Phosphorothioate (Thionazin)	297-97-2	В3	eB1	Eco	#6	0%	72				799	USEPA Region 5 ESL	0%	0%			O,O-Diethyl O-2-Pyrazinyl Phosphorothioate (Thionazin) was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	21 August 2014 meeting
SVOCs	2-Acetylaminofluorene	53-96-3	В3	eB1	Eco	#6	0%	72				596	USEPA Region 5 ESL	0%	0%			2-Acetylaminofluorene was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	Pentachlorobenzene	608-93-5	В3	eB1	Eco	#6	0%	105	9,500	0%	0%	497	USEPA Region 5 ESL	0%	0%			Pentachlorobenzene was only analyzed for in the 2006 COM Blinded Sampling effort and the 2010 MDEQ samples.	21 August 2014 meeting
VOCs	Dichlorodifluoromethane	75-71-8	D2	eB1	Eco	#6	0%	123	95,000	0%	0%	39,500	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	Dichlorodifluoromethane was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. HH criteria and Eco ESLB are in the same order of magnitude.	Category Eliminated in 21 August 2014 meeting

Table 5-10 Ecological Screening Results - Category 6 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower Criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	Source of ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	Eco Lines of Justification	Notes - Detection Evaluation	Decision
SVOCs	3-Nitroaniline	99-09-2	В3	eB1	Eco	#6	0%	128				3,160	USEPA Region 5 ESL	0%	1%	1	Not detected; 99% RLs meet ESLB	COM Blinded Sampling effort and the 2010 MDEQ samples. Only one (1)	Category Eliminated in 21 August 2014 meeting
SVOCs	4-Nitrophenol	100-02-7	В3	eB1	Eco	#6	0%	128			4	5,120	USEPA Region 5 ESL	0%	2%	2	Not detected; 98% RLs meet ESLB	4-Nitrophenol was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. Only two (2) samples had RLs that exceeded the ESLB. Both samples were on-site: DOS-17 (12,000 ug/kg) and DOS-20 (21,000 ug/kg). All other samples (126 remaining samples) had RLs that met the ESLB.	Category Eliminated in 21 August 2014 meeting
SVOCs	Diphenylamine	122-39-4	D4, E1	eB1	Eco	#6	0%	87	1,700	0%	2%	1,010	USEPA Region 5 ESL	0%	2%	2	Not detected; 98% RLs meet ESLB	Diphenylamine was analyzed for in the 2005 Dow On-Site sampling effort and the COM Blinded Sampling effort but not in the 2010 Dow/MDEQ sampling effort. HH criteria and Eco ESLB are in the same order of magnitude. Only two (2) samples had RLs that exceeded the ESLB. Both samples were on-site: DOS-17 (2,300 ug/kg) and DOS-20 (4,100 ug/kg). All other samples (85 remaining samples) had RLs that met the ESLB.	Category Eliminated in 21 August 2014 meeting
VOCs	cis-1,3-Dichloropropene	10061-01-5	В3	eB1	Eco	#6	0%	123				398	USEPA Region 5 ESL	0%	2%	3	Not detected; 98% RLs meet ESLB	cis-1,3-Dichloropropene was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. Only three (3) samples had RLs that exceeded the ESLB and all three samples were in the 2010 MDEQ data set: 11a-03 0-1" (410 ug/kg); N1-02 0-1" (480 ug/kg); and Site2-02 0-1" (430 ug/kg).	21 August 2014
VOCs	trans-1,3-Dichloropropene	10061-02-6	В3	eB1	Eco	#6	0%	123			1	398	USEPA Region 5 ESL	0%	2%	3	Not detected; 98% RLs meet ESLB	trans-1,3-Dichloropropene was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. Only three (3) samples had RLs that exceeded the ESLB and all three samples were in the 2010 MDEQ data set: I1a-03 0-1" (410 ug/kg); N1-02 0-1" (480 ug/kg); and Site2-02 0-1" (430 ug/kg).	Category Eliminated in 21 August 2014 meeting
SVOCs	Famphur	52-85-7	В3	eB1	Eco	#6	0%	72			1	49.7	USEPA Region 5 ESL	0%	3%	2	Not detected; 97% RLs meet ESLB	Famphur was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort. Only two (2) samples had RLs that exceeded the ESLB and both samples were off-site since this analyte was only analyzed for in the one off-site sampling effort: C-02 0-1" (63 ug/kg) and O-01 1-6" (78 ug/kg).	Category Eliminated in 21 August 2014 meeting

Table 5-11 Ecological Screening Results - Category 7 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

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Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower Criteria	FWS Email	Detection Frequency	No. Samples Detected	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	Source of ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	Eco Lines of Justification	Notes - Detection Evaluation	Decision
SVOCs	Dimethyl phthalate	131-11-3	D2	eC1	Eco	#7	1%	1	128	790,000	0%	0%	734,000	USEPA Region 5 ESL	0%	0%	0	Detected 1%; 100% RLs meet ESLB	Dimethyl phthalate was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. It was detected in only 1 out of 128 samples which was on-site at DOS-14 at 66 ug/kg.	Category Eliminated in 21 August 2014 Meeting
VOCs	2-Hexanone	591-78-6	D2	eC1	Eco	#7	1%	1	123	20,000	0%	0%	12,600	USEPA Region 5 ESL	0%	0%	0	Detected 1%; 100% RLs meet ESLB	2-Hexanone was analyzed for in the 2005 Dow On- Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. HH criteria and Eco ESLB are in the same order of magnitude. It was detected in only 1 out of 123 total samples. The sample was on-site (DOS-2) at a concentration of 470 ug/kg.	Category Eliminated in 21 August 2014 Meeting
SVOCs	n-Nitrosodiphenylamine	86-30-6	D2	eC1	Eco	#7	2%	2	128	5,400	0%	0%	545	USEPA Region 5 ESL	0%	2%	2		n-Nitrosodiphenylamine was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. It was detected in only 2 out of 128 samples. One on-site sample at DOS-16 (160 ug/kg) and one off-site at O1-02 (130 ug/kg) in the 2010 MDEQ data set. Only two (2) samples had RLs that exceeded the ESLB. Both samples were onsite: DOS-17 (2,300 ug/kg) and DOS-20 (4,100 ug/kg). All other samples (85 remaining samples) had RLs that met the ESLB.	Category Eliminated in 21 August 2014 Meeting
SVOCs	Benzyl alcohol	100-51-6	D2	eC1	Eco	#7	2%	2	105	200,000	0%	0%	65,800	USEPA Region 5 ESL	0%	0%	0	Detected 2%; 100% RLs meet ESLB	Benzyl alcohol was only analyzed for in the 2006 COM Blinded Sampling effort and the 2010 MDEQ samples. It was detected in only 2 out of 105 samples. Both detections were off-site and in the 2010 MDEQ data set: 11a-02 (22 ug/kg) and O1-02 (50 ug/kg).	Category Eliminated in 21 August 2014 Meeting
SVOCs	2,4,5-Trichlorophenol	95-95-4	D2	eC1	Eco	#7	4%	5	128	39,000	0%	0%	14,100	USEPA Region 5 ESL	0%	0%	0		2,4,5-Trichlorophenol was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. It was detected 5 times out of 128 samples. 2 samples were on-site at DOS-21 (140 ug/kg) and DOS-23 (119 ug/kg). 3 samples were off-site in the 2010 MDEQ data set at B1-03 0-1" (20 ug/kg), B1-03 1-6" (23 ug/kg) and O1-02 6-12" (37 ug/kg).	Category Eliminated in 21 August 2014 Meeting
VOCs	Chloroform	67-66-3	D2	eC1	Eco	#7	4%	5	123	1,600	0%	0%	1,190	USEPA Region 5 ESL	0%	0%	0	Detected 4%; 100% RLs meet ESLB	Chloroform was analyzed for in the 2005 Dow On- Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. HH criteria and Eco ESLB are in the same order of magnitude. It was detected 5 times out of 123 samples. 2 samples were on-site at DOS-11 (88 ug/kg) and DOS-8 (34 ug/kg). 3 samples were off-site from the COM Blinded sampling effort: I-O1 (27.5 ug/kg), S- 01 (19.26 ug/kg), and U-O2 (28.8 ug/kg).	Category Eliminated in 21 August 2014 Meeting
Pesticides	Delta BHC	319-86-8	C1, E1	eC1	Eco	#7	5%	6	128				9,940	USEPA Region 5 ESL	0%	0%	0		Delta BHC was analyzed for in the 2005 Dow On- Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. It was detected 6 times out of 128 samples. 2 samples were on-site at DOS-21 (190 ug/kg) and DOS-8 (21 ug/kg). 4 samples were off-site from the COM Blinded sampling effort: F-02 (0.995 ug/kg), I-01 (4.13 ug/kg), I-02 (2.4 ug/kg) and L-02 (3.02 ug/kg).	Category Eliminated in 21 August 2014 Meeting

Table 5-12 Ecological Screening Results - Category 8 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower Criteria	FWS Email	Detection Frequency	No. Samples Detected	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	Source of ESLB	% Detects Exceed ESLB	No. Samples Exceed ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	Eco Lines of Justification	Notes - Detection Evaluation E	Decision
Pesticides	Heptachlor epoxide	1024-57-3	D3	eD1	Eco	#8	16%	20	128	3,100	0%	0%	152	USEPA Region 5 ESL	0%	-	1%	1	No detects exceed ESLB; 99% RLs meet ESLB	effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. It Augus	inated in 21 ust 2014 eting based on Is evaluation.
VOCs	Methyl Iodide (Iodomethane)	74-88-4	C2, E1	eD1	Eco	#8	18%	22	123				1,230	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	, , , , , , , , , , , , , , , , , , , ,	inated in 21 ust 2014 eting
VOCs	Acetone	67-64-1	D3	eD1	Eco	#8	27%	33	123	15,000	0%	0%	2,500	USEPA Region 5 ESL	0%	-	0%		No detects or RLs exceed the ESLB	Acetone was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. It was detected in 3 on-site samples: DOS-1 (320 ug/kg), DOS-2 (420 ug/kg), and DOS-4 (910 ug/kg). It was detected in 5 samples from the 2006 COM Blinded sampling effort with detected concentrations ranging from 127 ug/kg to 1,880 ug/kg (at E-02 which was an order of magnitude higher than any other detection).	
Pesticides	4,4'-DDD	72-54-8	D3	eD1	Eco	#8	30%	39	128	95,000	0%	0%	758	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	COM Blinded Sampling effort and the 2010 MDEQ samples. It was detected Augus in 38 of 128 total samples. The detections occurred only in the 2006 COM Meet	
SVOCs	2-Methylnaphthalene	91-57-6	D3	eD1	Eco	#8	33%	42	128	4,200	0%	0%	3,240	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	, . ,	inated in 21 ust 2014 eting
SVOCs	Benzo(a)anthracene	56-55-3	D3	eD1	Eco	#8	38%	48	128	20,000	0%	0%	5,210	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	, , ,	inated in 29 tember 2014 iil
SVOCs	Benzo(k)fluoranthene	207-08-9	D3	eD1	Eco	#8	54%	69	128	200,000	0%	0%	148,000	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	Benzo(k)fluoranthene was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. HH criteria and Eco ESLB are in the same order of magnitude. Detections occurred in all three data sets, on-site and off-site. The maximum off-site detection was at C-02 0-1" (1,452 ug/kg).	
SVOCs	Chrysene	218-01-9	D3	eD1	Eco	#8	71%	91	128	2,000,000	0%	0%	4,730	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	, , , , , , , , , , , , , , , , , , , ,	inated in 29 tember 2014 iil
SVOCs	Benzo(g,h,i)perylene	191-24-2	D3	eD1	Eco	#8	80%	102	128	2,500,000	0%	0%	119,000	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	1.67	inated in 29 tember 2014 iil
SVOCs	Pyrene	129-00-0	D3	eD1	Eco	#8	86%	103	120	480,000	0%	0%	78,500	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	Pyrene was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. Detections occurred in all three data sets, on-site and off-site. The overall maximum detected concentration was off-site at C-02 0-1" (7,985 ug/kg).	tember 2014
Cyanide	Cyanide, Total	57-12-5	D6, E3	eD1	нн	#1, #8	86%	176	204	100	46%	7%	50,800	Northern Cardinal	0%		0%		No detects or RLs exceed the ESLB	and in the 2010 Dow and MDEQ samples. Detections occurred in all data sets, on-site and off-site. The maximum detected off-site concentration was at G-02 1-6" (863.1 ug/kg).	
Metals	Beryllium	7440-41-7	D3	eD1	Eco	#8	93%	119	128	33,000	0%	0%	21,000	USEPA Eco SSL	0%		0%		No detects or RLs exceed the ESLB	,	inated in 21 ust 2014 eting

Table 5-12 Ecological Screening Results - Category 8 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

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Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower Criteria	FWS Email	Detection Frequency	No. Samples Detected	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	Source of ESLB	% Detects Exceed ESLB	No. Samples Exceed ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	Eco Lines of Justification	Notes - Detection Evaluation	Decision
Metals	Nickel	7440-02-0	D6, E1	eD1	Eco	#8	99%	193	194	56,000	1%	0%	38,000	USEPA Eco SSL (Plants)	1%	1	0%		Less than 1% (0.5%) of detects exceed the ESLB; all RLs meet ESLB	Nickel was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 Dow samples. HH criteria and Eco ESLB are in the same order of magnitude. Detections occurred in all three data sets, on-site and off-site. The maximum detected off-site concentration was at L-02 1-6" (19,400 ug/kg).	Eliminated in 21 August 2014 Meeting
Pesticides	Methoxychlor	72-43-5	D3	eD1	Eco	#8	10%	13	128	16,000	0%	0%	19.9	USEPA Region 5 ESL	1%	1	28%	36	Less than 1% of detects exceed the ESLB; 72% RLs meet ESLB	Methoxychlor was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. It was detected in only 13 of 128 samples. It was detected on-site only once (DOS 2), which is the one sample that exceeded the ESLB, and then off-site in the 2006 COM Blinded Sampling effort only. It was not detected in the 2010 MDEQ samples. The maximum detected off-site concentration was W-03 0 1" (12.65 ug/kg). The RLs in 36 samples exceeded the ESLB. These samples were both on-site and off-site and occurred in all three data sets. The off-site RLs that exceeded the ESLB ranged from 20 ug/kg - 350 ug/kg. The on-site RLs that exceeded the ESLB ranged from 20 ug/kg -69 ug/kg.	Eliminated in 21 August 2014 Meeting
Pesticides	Endosulfan sulfate	1031-07-8	C2, E1	eD1	Eco	#8	8%	10	128	-	-	-	35.8	USEPA Region 5 ESL	2%	3	2%	2	2% detects exceed the ESLB; 98% RLs meet ESLB	, ,	Eliminated in 5 September 2014 Meeting based on totals evaluation
SVOCs	Benzyl Butyl Phthalate	85-68-7	D3	eD1	Eco	#8	16%	20	128	120,000	0%	0%	239	USEPA Region 5 ESL	2%	3	36%	46	2% detects exceed the ESLB; 64% RLs meet ESLB	Benzyl butyl phthalate was analyzed for in the 2005 Dow On-Site sampling effort, the 2006 COM Blinded Sampling effort and the 2010 MDEQ samples. It was detected in 20 samples out of 128 total samples. Only 3 detected concentrations exceed the ESLB (US EPA Region 5 ESL), 2 on-site and just 1 off-site. The only off-site sample with a detected concentration that exceeds the ESLB is at C-02 0-1" (317 ug/kg). The on-site samples with concentrations that exceed the ESLB are DOS-4 (815 ug/kg) and DOS-22 (290 ug/kg). The RLs exceed the ESLB in 46 samples out of the 128 total samples analyzed for benzyl butyl phthalate. all of the samples in the 2010 MDEQ data set had RLs that exceeded the ESLB. The RLs exceeded the ESLB in all of the on-site samples where benzyl butyl phthalate was not detected (9 samples).	Eliminated in 21 August 2014 Meeting
SVOCs	Hexachlorobenzene	118-74-1	D6, E2	eD1	Eco	#8	15%	34.9999999	227	350	2%	42%	184	Calculated NOAEL American Robin	4%	10	16%	37	4% detects exceed the ESLB; 84% RLs meet ESLB	detected in both on-site and off-site samples. 10 samples exceeded the	
SVOCs	Di-n-butyl phthalate	84-74-2	D3	eD1	Eco	#8	27%	35	128	11,000	0%	0%	150	USEPA Region 5 ESL	7%	9	27%	35	7% detects exceed the ESLB; 73% RLs meet ESLB	effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. It was detected in 34 total samples in both on-site and off-site sample	Eliminated in 5 September 2014 Meeting based on spatial distribution.

Table 5-13 Ecological Screening Results - Category 9 Part II - Remedial Investigation Report

The Dow Chemical Company, Michigan Operations

							E	SLB Evaluation	on			AEL-based E			LO	AEL-based E					TE	DL Evaluati	on	Í	
Analyte Group	Analyte	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	s % RLs Exceed HH Criteria	ESLB	Source of ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	NOAEL- based ESLB ug/kg	Source of NOAEL ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	LOAEL- based ESLE ug/kg	Source of LOAEL ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	Min RL of NDs	Max RL of NDs (Off- site)	TDL (ug/kg)	% RLs Exceed TDL	No. Samples RL > TDL	Human Health Lines of Justification	Eco Lines of Justification
SVOCs	Parathion, Methyl	72	46	0%	100%	0.292	USEPA Region 5 ESL	0%	100%	72	1,109	Northern Cardinal	0%		1,582	Northern Cardinal	0%	0	12	31	40	0%	0	Methyl parathion was not detected (0%) in 72 samples. All RLs exceeded the lowest HH criteria. Eliminated based on spatial distribution.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and LOAEL-based ESLB. ESLB < TDL. All RLs meet TDL.
SVOCs	Dinoseb	72	200	0%	100%	21.8	USEPA Region 5 ESL	0%	100%	72	213	Northern Cardinal	0%		2,121	Northern Cardinal	0%	0	56	146	200	0%	0	Dinoseb was not detected (0%) in 72 samples. Eliminated based on spatial distribution.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and LOAEL-based ESLB. ESLB < TDL. All RLs meet TDL.
Pesticides	Heptachlor	128	5,600	0%	0%	5.98	USEPA Region 5 ESL	0%	100%	128	171	American Robin	1%	1	1,713	American Robin	0%	0	0.638	180	20	14%	18	Heptachlor was not detected in a total of 128 samples. No reporting limits exceeded the human health criteria.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based ESLB, with 1 exception at B1-01 6-12" (180 ug/kg). Sample area B1 is associated with an off-site source not related to the MAS historical release. ESLB < TDL. 14% RLs exceed TDL (15 of these exceedances are on-site).
SVOCs	2,6-Dinitrotoluene	227	50	0%	61%	32.8	USEPA Region 5 ESL	0%	100%	227	4,128	Northern Cardinal	0%		8,256	Northern Cardinal	0%	0	6.08	470	330	20%	45	2,6-Dinitrotoluene was not detected (0%) out of a total of 227 samples. 100% of RLs exceeded the lowest HH criteria. Eliminated based on spatial distribution.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and LOAEL-based ESLBs. ESLB < TDL. 20% RLs exceed TDL (14 on-site; 33 off-site (the entire 2010 MDEQ dataset)).
SVOCs	Aniline	105	330	0%	99%	56.8	USEPA Region 5 ESL	0%	100%	105	1,576	Northern Cardinal	0%		15,762	Northern Cardinal	0%	0	46	470	330	31%	33	Aniline was not detected (0%) in 105 samples. 99% RLs exceed the lowest HH criteria. Eliminated based on spatial distribution.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and OAEL-based ESLBs. ESLB < TDL. 31% RLs exceed TDL (all RLs > TDL are from the 2010 MDEQ dataset).
SVOCs	2-Chlorophenol	128	360	0%	76%	243	USEPA Region 5 ESL	0%	100%	128	921	Northern Cardinal	2%	2	9,208	Northern Cardinal	0%	0	27	470	330	36%	45	2-chlorophenol was not detected (0%) out of a total of 128 samples. 76% of the RLs exceed the lowest HH criteria. Eliminated based on spatial distribution.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based ESLB, with 2 exceptions found on-site at DOS-17 and DOS-20. ESLB < TDL. 36% RLs exceed TDL (14 on-site; 33 off-site [the entire 2010 MDEQ dataset]).
Pesticides	Toxaphene	128	8,200	0%	1%	119	USEPA Region 5 ESL	0%	100%	128	5,180	American Robin	1%	1	51,800	American Robin	0%	0	10	7,200	170	44%	56	Toxaphene was not detected (0%) out of a total of 128 samples. Only 0.8% RLs exceeded the lowest HH criteria (1 off-site sample). Eliminated based on spatial distribution.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based ESLB, with 1 exception at B1-01 6-12" (7,200 ug/kg). Sample area B1 is associated with an off-site source not related to the MAS historical release. ESLB < TDL. 44% RLs exceed TDL (21 on-site; 2 COM blind; 33 from 2010 MDEQ dataset).
SVOCs	Isodrin	72				3.32	USEPA Region 5 ESL	0%	100%	72	56	American Robin	0%		113	American Robin	0%	0	20	51	NA			Isodrin was not detected (0%) in 72 samples. There is no HH criteria for this analyte.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and LOAEL-based ESLBs. No TDL available.
SVOCs	Parathion, Ethyl (Parathion)	72	1,100	0%	0%	0.34	USEPA Region 5 ESL	0%	100%	72	160	American Robin	0%		398	American Robin	0%	0	18	47	NA			RLs met the lowest HH criteria.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and LOAEL-based ESLBs. No TDL available.
SVOCs	Pronamide	72	2,800	0%	0%	13.6	USEPA Region 5 ESL	0%	100%	72	14,869	American Robin	0%		149,000	American Robin	0%	0	11	29	NA			met the lowest HH critera.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and LOAEL-based ESLBs. No TDL available.
SVOCs	Phorate	72	8.2	0%	100%	0.496	USEPA Region 5 ESL	0%	100%	72	93	American Robin	0%		1,115	American Robin	0%	0	9	24	NA			Phorate was not detected (0%) in 72 samples. All RLs exceeded the lowest HH criteria. Eliminated based on spatial distribution.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and LOAEL-based ESLBs. No TDL available.
Pesticides	Endrin ketone	56	-			14	LANL LOAEL Mammals	0%	36%	20	5.5	American Robin	48%	27	55	American Robin	2%	1	8.9	180	20	29%	16	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Endrin used as surrogate for ESLB (this analyte moved from Category 4 to Category 9). 64% RLs meet the ESLB. 52% RLs meet the NOAEL-based ESLB. The 52% of Samples with acceptable RLs are from the 2006 COM blinded off-site sampling effort, providing adequate sampling density off-site to document that endrin was not detected. 98% of RLs meet the LOAEL-based ESLB with only 1 RL that exceeds the LOAEL-based value (B1-01 6-12" at 180 ug/kg from the 2010 MDEQ dataset). Sample area B1 is the location of an off-site source not related to the MAS historical release. Endrin ketone was only analyzed for in the 2005 Dow On-Site sampling effort and in the 2010 MDEQ samples. 15 TDL exceedances are from the Dow On-Site sampling effort. Only 1 TDL exceedance is off-site found at B1-01 6-12".
SVOCs	Hexachlorophene	72	15,000	0%	0%	199	USEPA Region 5 ESL	0%	100%	72	132	American Robin	100%	72	1,322	American Robin	3%	2	704	1,840	NA			Hexachlorophene was not detected (0%) in 72 samples. All RLs met the lowest HH criteria.	100% RLs exceed ESLB. 100% RLs exceed the NOAEL-based ESLB, which is lower than the US EPA Region 5 ESLB. However, 97% of RLs meet the LOAEL-based ESLB. The 2 RL exceedances are from the 2006 COM Blinded sampling effort at C-02 01" (1,484 ug/kg), and O-01 1-6" (1,840 ug/kg). Both of these sample locations are associated with an off-site source not related to the MAS historical release. No TDL available.
SVOCs	4,6-Dinitro-2-methylphenol	128	830	0%	94%	144	USEPA Region 5 ESL	0%	100%	128	194	Northern Cardinal	44%	56	1,942	Northern Cardinal	10%	13	13	2,300	830	38%		4,6-Dinitro-2-methylphenol was not detected (0%) in 128 samples. 94% RLs exceed the lowest HH criteria. Eliminated based on spatial distribution.	100% RLs exceed ESLB. 66% RLs meet the NOAEL-based ESLB. All of the samples in the 2006 COM off-site data set had acceptable RLs and provide adequate off-site sampling density to demonstrate that this analyte is not detected off-site. 90% RLs meet the LOAEL-based ESLB. Of the 13 RL exceedances, 8 are from the 2010 MDEQ dataset and 5 are from the on-site dataset. ESLB < TDL. 38% RLs > TDL, leaving 62% of RLs that meet the TDL. 15 of the TDL exceedances are on-site; 33 TDL exceedances are from the 2010 MDEQ dataset.
svocs	2,4-Dinitrophenol	128	82	0%	100%	60.9	USEPA Region 5 ESL	0%	100%	128	74	Northern Cardinal	44%	56	743	Northern Cardinal	38%	48	20	2,300	830	38%		2,4-Dinitrophenol was not detected (0%) out of a total of 128 samples. 100% of RLs exceeded the lowest HH criteria. Eliminated based on spatial distribution.	100% RLs exceed ESLB; 56% RLs meet the NOAEL-based ESLB. All of the samples in the 2006 COM off-site data set had acceptable RLs and provide adequate off-site sampling density to demonstrate that this analyte is not detected off-site. 62% RLs meet the LOAEL-based ESLB. Both ESLBS < TDL. 38% RLs > TDL, leaving 62% of RLs that meet the TDL. 15 of the TDL exceedances are on-site; 33 TDL exceedances are from the 2010 MDEQ dataset. Recommended Uncertainty Discussion: Analyte was not detected. TDL is 13 times higher than the ESLB and 10% higher than the LOAEL-based ESLB, which causes significant RL exceedances. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.

Ecological Screening Results - Category 9

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	1	1	1	1			E	SLB Evaluatio	n		NO	AEL-based E	SLB Evaluat	ion I	LO	AEL-based E	SLB Evaluat	ion		1	Т	DL Evaluati	on		T
Analyte Group	Analyte	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	Source of ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	1	Source of NOAEL ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	LOAEL- based ESLB ug/kg	Source of LOAEL ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	Min RL of NDs	Max RL of NDs (Off- site)	TDL (ug/kg)	% RLs Exceed TDL	No. Samples RL > TDL	Human Health Lines of Justification	Eco Lines of Justification
VOCs	Carbon disulfide	123	16,000	0%	0%	94.1	USEPA Region 5 ESL	0%	23%	28	No Avian Data Available	-			No Avian Data Available				0.5	480	250	11%	14	Carbon disulfide was not detected (0%) in 123 samples. All RLs met the lowest HH criteria.	77% RLs meet ESLB. ESLB < TDL. 89% RLs meet TDL; the 14 RLs that exceed the TDL are from the 2010 MDEQ dataset. Recommended Uncertainty Discussion: Analyte was not detected. Avian benchmark or TRV not available. TDL is 2.5 times higher than the available ESLB, which causes significant RL exceedances. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.
VOCs	Acetonitrile	100	2,800	0%	30%	1,370	USEPA Region 5 ESL	0%	29%	29	No Avian Data Available				No Avian Data Available				197	9700	2,500	28%	28	Acetonitrile was not detected (0%) in 100 samples. 30% of RLs exceeded the lowest HH criteria. Eliminated based on spatial distribution.	71% RLs meet ESLB. ESLB < TDL. 72% RLs meet TDL; all 28 RLs that exceed the TDL are from the 2010 MDEQ dataset. Recommended Uncertainty Discussion: Analyte was not detected. Avian benchmark or TRV not available. TDL is 2 times higher than the available ESLB, which causes significant RL exceedances. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.
SVOCs	2,4-Dimethylphenol	128	7,400	0%	0%	10	USEPA Region 5 ESL	0%	100%	128	No Avian Data Available	1			No Avian Data Available		1		58	470	330	36%	46	2,4-Dimethylphenol was not detected (0%) out of a total of 128 samples. No RLs exceeded the lowest HH Criteria.	100% RLs exceed ESLB. ESLB < TDL. 64% RLs meet TDL. Of the 46 total samples with RLs that exceed the TDL, 32 of the RL exceedances are from the 2010 MDEQ dataset; 14 are from the on-site data. This leaves 82 samples, both on- and off-site, that have RLs that meet the TDL. Recommended Uncertainty Discussion: Analyte was not detected. Avian benchmark or TRV not available. TDL is 33 times higher than the available ESLB, which causes significant RL exceedances. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.
SVOCs	2-Chloronaphthalene	128	620,000	0%	0%	12.2	USEPA Region 5 ESL	0%	100%	128	No Avian Data Available				No Avian Data Available				26	470	330	36%	46	2-Chloronaphthalene was not detected (0%) out of a total of 128 samples. All RLs met the lowest HH criteria.	100% RLs exceed ESLB. ESLB < TDL. 64% RLs meet TDL. Of the 46 total samples with RLs that exceed the TDL, 32 of the RL exceedances are from the 2010 MDEQ dataset; 14 are from the on-site data. This leaves 82 samples, both on- and off-site, that have RLs that meet the TDL. Recommended Uncertainty Discussion: Analyte was not detected. Avian benchmark or TRV not available. TDL is 27 times higher than the available ESLB, which causes significant RL exceedances. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.
VOCs	1,1,2,2-Tetrachloroethane	123	170	0%	24%	127	USEPA Region 5 ESL	0%	23%	28	No Avian Data Available				No Avian Data Available				0.5	480	50			1,1,2,2-Tetrachloroethane was not detected (0%) in 72 samples. 76% RLs met the lowest HH criteria. Eliminated based on spatial distribution.	77% RLs meet the ESLB. All 28 RL exceedances are from the 2010 MDEQ dataset, leaving 95 remaining samples both off-site and on-site with RLs that meet the ESLB. Avian benchmark or TRV not available.
SVOCs	Hexachlorocyclopentadiene	128	30,000	0%	0%	755	USEPA Region 5 ESL	0%	38%	49	No Avian Data Available				No Avian Data Available				26	2,300	330			Hexachlorocyclopentadiene was not detected (0%) in 72 samples. All RLs met the lowest HH criteria.	62% RLs meet the ESLB. All off-site RL exceedances (33) are from the 2010 MDEQ dataset; 16 RLs exceed on-site. 79 samples both on- and off-site meet the ESLB providing reasonable off-site sampling density with RLs that met the ESLB (primarily from 2006 COM sampling effort). Avian benchmark or TRV not available.
SVOCs	Sym-Trinitrobenzene	72	3,900	0%	0%	376	USEPA Region 5 ESL	0%	76%	55	No Avian Data Available				No Avian Data Available				352	919	NA			Sym-Trinitrobenzene was not detected (0%) in 72 samples. All RLs met the lowest HH criteria.	No TDL available. 24% RLs meet ESLB. Only analyzed for in the 2006 COM Blinded sampling effort (55 of 72 RLs exceed the ESLB, leaving 17 samples with RLs that meet the ESLB). Recommended Uncertainty Discussion: Analyte was not detected. Avian benchmark or TRV not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.
SVOCs	Alpha, Alpha Dimethylphenethylamine	72				300	USEPA Region 5 ESL	0%	100%	72	No Avian Data Available				No Avian Data Available		1		352	919	NA			Alpha, Alpha Dimethylphenethylamine was not detected (0%) in 72 samples. There is no HH criteria for this analyte.	No TDL available. 100% RLs exceed ESLB. Only analyzed for in the 2006 COM Blinded sampling effort. Recommended Uncertainty Discussion: Analyte was not detected. Avian benchmark or TRV not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.

Table 5-14 Ecological Screening Results - Category 10 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

												Ī		E	SLB Evaluation	1		1	NOAEL-base	ed ESLB Eval	uation			LOAEL-base	ed ESLB Eva	luation		1	Г	TDL	Evaluatio	n		
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	No. Samples Detected	Lowest HH Criteria	Exceed	% RLs Exceed HH Criteria	ESLB ug/kg	ESLB	% N Detects Sam Exceed Exc ESLB ES	nples Exce	s No. ed Samples RL > ESLE		Source of NOAEL ESLB	Detects			LOAEL- based ESLB ug/kg				No. Samples RL > ESLB	Min RL of NDs	Max RL of NDs (Off-site)	TDL	% RLs Exceed : TDL	No. Samples RL > TDL	Human Health Lines of Justification	Eco Lines of Justification Recommendation Decision
Pesticides	Endrin aldehyde	7421-93-4	C1, E1	eC2	Eco	#10	2%	128	2				10.5	JSEPA Region 5 ESL	0%	239	6 30	3	American Robin	1%	50%	66	26.2	American Robin	0%	3%	3	0.797	180	20	14%		iminated based on patial distribution.	Endrin aldehyde was only detected in 2 of 128 total samples. No detected concentrations exceed the ESLB. ESLB < TDL. 86% RLS meet the TDL with 14% RLS that exceed TDL (17 samples): 3 off-site samples and 14 on-site samples. 77% RLS meet the ESLB. When a NOAEL-based ESLB is calculated, only 1 of the 2 detected concentrations exceed the value (0-011-6" 9.88 ug/kg). 62 samples had RLs that met the NOAEL-based ESLB from the 2006 COM data set, providing reasonable sampling density in the off-site area with RLs that met the NOAEL-based ESLB. When a LOAEL-based ESLB when a LOAEL-based ESLB. State of the State of th
Pesticides	Endrin	72-20-8	D2	eC2	Eco	#10	2%	128	3	65,000	0%	0%	10.1	JSEPA Region 5 ESL	1%	1 249	6 31	5.5	American Robin	2%	48%	61	54.7	American Robin	0%	1%	1	0.776	180	20	15%	co de		Endrin was only detected in 3 out of 128 total samples. 1 detected concentration out of 128 total samples collected exceed the ESLB: off-site sample location LO2 0-1" (12.1 ug/kg) from the 2006 COM Blinded dataset. 2 samples exceed the NOAEL-based ESLB, which is lower than the US FPA Region 5 FSLB. In addition to the L-02 sample, the detected concentration at J-02 (9.38 ug/kg) also exceeds the NOAEL-based ESLB. 52% of RLS meet the NOAEL-based ESLB. 52% comes from the 2006 COM data set that had all but S RLS methet NOAEL-based ESLB. No detected results exceed the LOAEL-based ESLB. TSLB < TDL. 85% RLS meet the TDL with 15% RLS that exceed TDL (19 samples) 4 off-site samples and 15 on-site samples. 76% RLS meet the ESLB and 99% RLS meet the LOAEL-based ESLB. The 1 RL that exceeds the LOAEL-based ESLB is at B1-01 6-12" (180 ug/kg). Sample area B1 is associated with an off-site source not related to the MAS historical release.
Pesticides	Gamma BHC (Lindane)	58-89-9	D5, E1	eC2	Eco	#10	2%	128	3	20	1%	67%	5	JSEPA Region 5 ESL	2%	2 469	á 59	805	American Robin	0%	0%		3,235	American Robin	0%	0%	0	0.626	180	20	13%		iminated based on patial distribution.	gamma-BHC was only detected in 3 of 128 total samples. 2 detected concentrations out of a total of 128 samples collected exceed the ESIB: 1 on-site sample collected at 005-8 (33 ug/kg) and 1 off-site location at 0-01 1-6" (5.93 ug/kg). No detected exceed the ESIB: 1 on-site sample collected at 005-8 (33 ug/kg) and 1 off-site location at 0-01 1-6" (5.93 ug/kg). No detected concentrations or RLs exceed the NOAEL-based ESIB. No detected results exceed the LOAEL-based ESIB for the NOAEL-based ESIB of the NOAEL-based ESIB for the NOAEL-based ESIB of the NOAEL-based ESIB for the NOAEL-based ESIB
Pesticides	Beta BHC	319-85-7	D4, E1	eC2	Eco	#10	4%	128	5	37	0%	9%	3.98	JSEPA Region 5 ESL	2%	3 489	6 62	49,099	American Robin	0%	0%		490,898	American Robin	0%	0%	0	0.872	180	20	14%		iminated based on oatial distribution.	beta-BHC was only detected in 5 of 128 total samples. 3 samples out of a total of 128 samples collected exceed the Eliminate based on ESLB: 1.0 n-site at 105-1 (20 ug/kg) and 2 off-site samples collected at the sample scollected exceed the LOB-L-125-1 (20 ug/kg) and 2 off-site samples collected at the same location at 1-0.10-1"(27) cug/kg) and NOAEL-based ESLB. Mo detected results or RLB exceed the LOB-L-based ESLB. SLB exceed the NOAEL-based ESLB. SLB exceed the LOB-L-based ESLB. Substitution associated with an off-site source not related to the MAS historical release) and 15 are on-site. 52% RLs meet the ESLB and 100% RLs meet the LOB-L-based ESLB.
Pesticides	Aldrin	309-00-2	D4, E1	eC2	Eco	#10	3%	128	4	1,000	0%	1%	3.32	JSEPA Region 5 ESL	0%	49%	6 63	12	American Robin	0%	20%	26	628	American Robin	0%	0%	0	0.638	180	20	14%		iminated based on patial distribution.	Aldrin was detected in only 4 samples out of 128 total samples collected. No detected concentrations exceed the ESLB. No detected results exceed the NOAEL-based ESLB. 80% of RLs meet the NOAEL-based ESLB. 80% of RLs meet the NOAEL-based ESLB. 80% of RLs meet the NOAEL-based ESLB. SELS of TOL 86% RLs meet the TDL with 14% RLs that exceed TDL (17 samples: 15 RLs on-site and 2 RLs off-site (at C-02 and B1-01, both sample locations are associated with an off-site source not related to the MAS historical release)). 51% RLs meet the ESLB and 100% RLs meet the 10AEL-based ESLB.
VOCs	Acrylonitrile	107-13-1	D5, E1	eC2	Eco	#10	2%	222	4	100	2%	43%	23.9	JSEPA Region 5 ESL	2%	4 509	6 111	No Avian Data Available		-	_		No Avian Data Available		-	-		0.5	9,700	100	14%		iminated based on patial distribution.	Acrylonitrile was detected in only 4 of 222 total samples collected. All 4 samples that exceed the ESLB and are off-sit-Review spatial from the 2006 COM Blinded sampling data set (1-01 0.1" [232 ug/kg], 1-02 0.1" [254 ug/kg], N-01 0.1" [563 ug/kg], Blilliminate and distribution and 5-01 1-6" [102.88 ug/kg], ESLB < T.DL 868 kB. meet the ToL with 143 kB. tsh tax exceed TD [10.3 smgles]. Of these 31 RLs, 3 are off-site from the 2006 Blinded sampling data set (1-01, O-01 and S-01) and the remaining 28 are from the 2010 MDEQ that set. 50% RLs meet the ESLB. Recommended Uncertainty Discussion: Avian benchmark or TRV not available. Tolls is 4 times higher than the available ESLB, which causes significant RL exceedances. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.
VOCs	Propionitrile, Ethyl Cyanide	107-12-0	C1, E1	eC2	Eco	#10	1%	72	1	-	-	-	49.8	JSEPA Region 5 ESL	1%	1 749	6 53	No Avian Data Available		-	-	-	No Avian Data Available	-	-	-		44	309	NA			iminated based on patial distribution.	1 detected concentration out of a total of 72 samples collected exceeds the ESLB. This sample was collected at T-02 deview spatial 1° (506 ug/kg) from the 2006 COM Blinded sampling data set. No TDL available. Avian benchmark or TRV not distribution. Eliminate and Distribution Uncertainty

Ecological Screening Results - Category 11 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

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															ESLB Evalu	ation							N	NOAEL-based	d ESLB						LOAEL-based	ESLB							
Analyte Group	Analyte	CAS Number	Screened Out HH		d Lower o criteria		Detection Frequence	No. Sample Detecte	5	Lowest HI Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	Source of ESLB		Samples	Exceed Sam	ples si		Docad on	NOAEL- based ESLB	Source of NOAEL ESLB	% Detects Exceed NOAEL ESLB	Samples	NOAFI	No. Samples RL > NOAEL ESLB	Scree Level Based of site Ma and N ESI	HQ - on Off- L ix Conc bas IOAEL	OAEL- S sed ESLB LC	Source of DAEL ESLB	% Detects Exceed LOAEL ESLB	lo. Samples Exceed LOAEL ESLB	% RLs Exceed LOAEL ESLB	No. L Samples E RL > LOAEL M ESLB a	Off-site Max Conc	Human Health Lines of Justification	Eco Lines of Justification	Recommendation	Decision
Metals	Thallium	7440-28-1	0 D4, E1	eD2	Eco	#11	15%	35	227	2,300	0%	2%	56.9 US	EPA Region 5 ESL	13%	29	85% 1	92	230	4	1,901	American Robin	0%	0	0.4%	1	0.	.1 1	90,053	American Robin	0%	0	0%	0	0.001	were less than the HH cuts criteria but elevated RLS exceeded HH criteria; eliminated based on spatial The distribution. Solution of the control of the con	Illium was analyzed for in all sampling campaigns. It was detected in 35 of 227 of a samples (15% detection frequency). 29 of these detections exceed the ESLB EPA Region 5 ESL). It was only detected twice on-site at DOS-20 and DOS 21. or emainder of the detections are off-site and are in the 2010 MDEQ samples. HQ based on the off-site maximum concentration (181-03 0-1" 230 ug/kg) is 4. hple area B1 is associated with an off-site source not related to the MAS forcial release. When a NOAEL-based ESLB is calculated, there are no detected coentrations that exceed the NOAEL-based value and only 1 RL exceeds (on-site 5-7,4360 ug/kg). The screening HQ based on the maximum off-site incentration and the NOAEL-based ESLB is calculated for the American in, there are no detected concentrations or RLs that exceed the criteria. The renning HQ based on the LOAEL-based ESLB and the maximum detected off-site centration is 0.00.		Eliminated based on 4 September 2014 MDEQ Email
vocs	Naphthalene	91-20-3	D6, E1	eD2	Eco	#11	27%	59	222	730	0.9%	3%	99.4 US	EPA Region 5 ESL	13%	29	46% 1	03	1,314	13	397,704	American Robin	0%	0	0%	0	0.0	1,5		American Robin	0%	0	0%	0		exceeded the HH criteria; aliminated based on spatial addistribution.	phthalene was analyzed for in all sampling campaigns. It was detected in S9 of total samples (27% detection frequency). The detected concentrations in 29 inples exceed the ESLB (US EPA Region 5 ESL), including 9 samples on-site. The naining 20 samples were off-site. The screening HQ based on the off-site kinum concentration (la1-Q5 e1-Z1-3,14 ug/kg) 13.3. When a NOAE-based B. Is calculated, all detected concentrations and RLS meet the NOAE-based B. The screening HQ based on the NOAE-based SLB is calculated of the American Rolin, there are no exected concentrations or RLS that the screen and LoRE-based ESLB is calculated for the American Rolin, there are no exceted concentrations or RLS that exceed the criteria. The screening HQ based the LOAEL-based ESLB and the maximum detected off-site concentrations or RLS that exceed the criteria. The screening HQ based the LOAEL-based ESLB and the maximum detected off-site concentration is <1.		Eliminated based on 4 September 2014 MDEQ Email
Pesticides	Dieldrin	60-57-1	D4, E1	eD2	Eco	#11	10%	13	128	1,100	0%	0.8%	4.9	JSEPA Eco SSL	3%	4	48% 6	51	21.3	4	28	American Robin	0%	0	2%	2	1	1		American Robin	0%	0	0%	0		were less than the HH criteria but elevated RLs exceeded HH criteria; eliminated based on spatial distribution. step dete base with usin Rece ESLE RLSE	Iddin was analyzed for in the 2005 Dow On-site Sampling effort, the 2006 COM whed Sampling effort and the 2010 MDEQ samples. Dieldrin was detected only times out of 128 total samples (10% detection frequency). All detections were site in the 2006 COM Blinded Sampling effort. A total of 4 detected contrations exceed the ESIB (US EPA Eco SSI) (Po.20-17; Po.21-67; Pol.1-67; I-01-167; I-02-07]. Using the overall maximum detected concentration which falls off, the screening Hig 1.4. When a NOALE-based ESIB is calculated, there are no ected concentrations that exceed this value. Only 2 RLs exceed the NOAEL-bed ESIB, located off-site at-CO.2 and B-1.01 and both locations are associated han off-site source not related to the MAS historical release. The screening HQ ing the NOAEL-based ESIB. Source onto the NOAEL based ESIB. Source onto the NOAEL based ESIB. Source on the NOAEL based ESIB. When a LOAEL-based B is calculated for the American Robin, there are no detected concentrations or that exceed the criteria. The screening HQ based on the maximum off-site ected concentration and the LOAEL-based ESIB is 0.01.		Eliminated based on 4 September 2014 MDEQ Email
Herbicides	2,4-D (Dichlorophenoxyac tic Acid)	e 94-75-7	D3	eD2	Eco	#11	15%	11	72	1,400	0%	0%	27.2 US	EPA Region 5 ESL	7%	5	0%	0	83.8	3	34	American Robin	4%	3	0%	0	2	2	67.7	American Robin	0%	0	0%	0	0.01	detections were less than dete HH criteria. ESL) base ESL and ESL the max ESL calc the that that that	-D was only analyzed for in the 2006 COM Blinded Sampling effort. It was only cetted in 11 samples out of 72 total samples (15% detection frequency). Only 5 piles had detected concentrations that exceeded the ESIB (USE PA Region 5): +010-1", +011-6", +020-1", +021-6", and H-021-6". The screening HQ ed on the off-site maximum detected concentration is 3. When a NOAEL-based ESIB is calculated, 8 detected concentrations are less than the NOAEL-based ESIB only 3 samples from the same sample area (+0.1 and +0.2) exceed the NOAEL (16-10 1-1" 83.8 ug/Rg; 10-11-6" 71.7 ug/Rg; 10-21-6" 64.5 ug/Rg. All RIS meet NOAEL ESIB. While the screening HQ based on the NOAEL-based ESIB and the simum off-site detected concentration is 2, the three detections that exceed the B are limited to the I-01 and I-02 sampling area. When a LOAEL-based ESIB is culated for the American Robin, there are no detected concentrations or RIS texceed the criteria. The screening HQ based on the LOAEL-based ESIB and the ximum detected off-site concentration is 0.01.	NOAEL-based ESLB and detections that exceed NOAEL-based ESLB are in an isolated area	MDEQ Email
svocs	Benzo[a]pyrene	50-32-8	D6, E1	eD2	Eco	#11	52%	119	227	2,000	2%	0%	1,520 US	SEPA Region 5 ESL	3%	7	0%	0	3,661	2	4302	American Robin	0%	0	0%	0	0.	9 4		American Robin	0%	0	0%	0		exceeded the HH criteria; of 2 eliminated based on spatial of the criteria of	pro(a)pyrene was analyzed for in all sampling campaigns. It was detected in 119 1227 total samples (52% detection frequency). Only 7 detected concentrations end the ESB (192FA Region 5 ESL). The overall maximum detected coentration was off-site (3,661 ug/kg). It was detected above the ESLB 3 times site (DOS-1, DOS-20, DOS-21) and 4 times off-site (US FPA Region 5 ESU) (2006 M Blinded Sampling Effort C-02 0-1", 2010 Dow Samples 0.1-01 6-12", 0-1-02 6- and 0.1-03 6-12", all sample locations are associated with an off-site source not sted to the MAS historical release). The HQ based on the Off-site maximum centration is 2. When a NOAEL-based ESLB is calculated, all detected centrations and RLs are less than the NOAEL ESLB. The screening HQ based on NOAEL-based ESLB and the maximum off-site detected concentration is less 1. Recommend elimination based on the NOAEL-based ESLB when a LOAEL- ed ESLB is calculated for the American Robin, there are no detected concrations or RLs that execed the criteria. The screening HQ based on the ximum off-site detected concentration and the LOAEL-based ESLB is 0.1.	NOAEL-based ESLB	Eliminated based on 4 September 2014 MDEQ Email
Pesticides	Chlordane, Total	57-74-9	D3	eD2	Eco	#11	6%	14	227	31,000	0%	0%	224 US	iEPA Region 5 ESL	1%	3	0%	0	327	2	289	American Robin	1%	2	0%	0	1	ı		American Robin	0%	0	0%	0		detections were less than 14 H criteria. of 2 H dete MDI ESU, on t is 2. three looks are less than 14 H criteria. If the less than 15 H dete MDI ESU, on t is 2. three looks are looks for t for t the the less than 15 H determined that the less than 15 H determined than 15 H determin	al chlordane was analyzed for in all sampling campaigns. It was detected in 14 127 total samples (6% detection frequency). It was not detected on-site. Of the detections off-site, 8 were in the 2006 COM Blinded sampling effort, 3 ections were in the 2010 Dow samples, and 3 detections were in the 2010 ECI samples. Only 3 of the 14 detections exceeded the ESLB (US EPA Region 5 3 and they were collected in the 2006 COM Blinded samples: A20 2-01* (298 kg), K-01 1-6* (327 ug/kg) and 0-01 1-6* (296 ug/kg). The screening HC based the maximum detected concentration of 327 ug/kg and the USEPA Region 5 ESL When a NOAEL-based ESLB is calculated for the American Robin, the same ee detected concentrations that exceed the US EPA Region 5 ESLB exceed the ALL-based ESLB. No RIs exceed the NOAEL-based ESLB. The NOAEL-based eSLB and dated detections across the off-site area. When a LOAEL-based ESLB and the American Robin, there are no detected concentrations or RLs that exceed criteria and the screening HQ is 0.2 (based on the maximum detected off-site centration and the LOAEL-based ESLB).	NOAEL-based ESLB and isolated detections	Eliminated based on 4 September 2014 MDEQ Email

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											Г			ESLB Evalu	ation		ine i	Oow Che	micai	Comp	pany, 1		NOAEL-base		ons					OAEL-base	d ESIB			_				
														ESLB EValu	ation								NOAEL-base	EG ESLB						.UAEL-Dase	a ESLB			Screenin	g			
Analyte Group	Analyte	CAS Number		Screened Out Eco		FWS D Email F		No. Samples Detected	Total # Lowest H Samples Criteria		HH		Source of ESLB	% Detects Exceed ESLB	No. Samples Exceed ESLB	Exceed	Samples	Maximum Off- site Detected Concentration	Based on	NOAEL-			Exceed	Exceed	NOAEI	site Max	Q - Off- LOA Conc based AEL	EL- SOI ESLB LOA			No. Sample: Exceed LOAEL ESLB	% RLs Exceed LOAEL ESLB	LOAEL	Based o Off-site Max Cor and LOA ESLB	Human Health Lines of Justification	Eco Lines of Justification	Recommendation	Decision
Metals	Соррег	7440-50-8	D6, E1	eD2	Eco	#11	100%	128	128 54,000) 3%	0%		ISEPA Eco SL (Birds)	16%	21	0%	0	54,900	2	39,977	American Robin	7%	9	0%	0	1	120,	483 An	nerican Robin	1%	1	0%	0	0.5	exceeded the HH criteria	Copper was analyzed for in the 2005 Dow On-Site Sampling effort, the 2006 CDM Blinded Sampling effort and the 2010 MDEQ samples. It was detected in all 128 al samples. 21 samples had detected concentrations that exceed the ESLB (US FPA Eco SSt. (Birds)). 9 on-site samples had detected concentrations that exceed the ESLB. The remaining 12 exceedances were off site. The screening PtQ based ont off-site maximum concentration (L-01 1-6" S4,900 ug/kg) is 2. When a NOAEL-based ESLB is calculated, all detections except for 9 samples meet the NOAEL-base value. 4 of the 9 detections that exceed the NOAEL ESLB are on-site and 5 are off site: 1-02 1-6" (49,000 ug/kg), 1-01 0-1" (43,000 ug/kg), 1-01 1-6" (54,900 ug/kg), 1-13-03 0-1" (52,000 ug/kg), 1-01 0-1" (43,000 ug/kg), 1-01 1-6" (54,900 ug/kg), 1-13-03 0-1" (52,000 ug/kg), 1-01 0-1" (43,000 ug/kg), 1-01 0-1" (54,900 ug/kg), 1-01 0-2" (43,000 ug/kg), 1-01 0-2" (54,000 ug/k	NOAEL-based ESLB and detections that exceed NOAEL-based ESLB are in an isolated area	MDEQ Email
Metals	Zinc	7440-66-6	D6, E2	eD2	Eco	#11	84%	107	128 120,000	0 12%	0%	80,100 NO A	DAEL-based American Robin	19%	24	0%	0	190,000	2	87,737	American Robin	16%	21	0%	0	2	136,		nerican Robin	11%	14	0%	0	1	Detected > 5%; 1 or mon exceeded the HH criteria carried forward to Leach Study and was eliminate based on leach testing results.	and the 2010 MDEQ samples. It was detected in 107 of 128 total samples (84%	NOAEL-based ESLB and detections that exceed NOAEL-based ESLB are in an isolated area	MDEQ Email
Pesticides	4,4'-DDT	50-29-3	D3	eD2	Eco	#11	52%	66	128 57,000	0%	0%	3.5 USE	EPA Region 5 ESL	46%	59	31%	39	1,741	497	116	American Robin			-			1,1		nerican Robin	2%	2	0%	0	2	Detected > 5% but all detections were less than HH criteria.	4,4'-DDT was analyzed for in the 2005 Dow On-Site Sampling effort, the 2006 CON Bilinded Sampling effort and the 2010 MDEQ samples. It was detected in 66 of 12 total samples (52% detection frequency). It was only detected on-site in 5 sample Detected concentrations in 59 samples (both on- and off-site) exceed the ESIB (UFBA Region 5 ESI). The overall maximum concentration and the next two highest concentrations were found off-site (C-0.02 -if (1,512 ug/kg) and C-0.21 -if (1,741 ug/kg) and W-03 1-6' (616.5 ug/kg)). These sample locations are associated with: off-site source not related to the MAS historical release. When a LOAEL-based ES is calculated for the American Bohoi, only 2 samples have detected concentration that exceed the criteria (C-02 0-1" (1,512 ug/kg) and C-02 1-6' (1,741 ug/kg)). This screening MQ based on the LOAEL-based ESLB and the maximum off-site detected concentration is 2.	Distribution. Eliminated in 27 June 2014 meeting. NOAEL provided but further evaluation was not performed since analyte is eliminated.	
PCBs	PCBs, Total	1336-36-3	D4, E1	eD2	Eco	#11	58%	74	128 1,000	0%	2%	0.332 USE	EPA Region 5 ESL	58%	74	42%	54	1,234	3723	84	American Robin		-				83		nerican Robin	2%	3	6%	7	2	were less than the HH criteria but elevated RLs exceeded HH criteria;		Distribution. Eliminated in 27 June 2014 meeting. NOAEL provided but further evaluation was not performed since analyte is eliminated.	Reviewed Spatial Distribution. Eliminated in 27 June 2014 meeting.
Metals	Vanadium	7440-62-2	D6, E1	eD2	Eco	#11	100%	128	128 72,000	0.8%	0%	7,800 U.S.	ISEPA Eco SL (Birds)	77%	99	0%	0	74,000	10	20,223	American Robin	6%	8	0%	0		40,4		nerican Robin	1%	1	0%	0	2	exceeded the HH criteria	Vanadium was analyzed for in the 2005 Dow On-Site Sampling effort, the 2006 COM Blinded Sampling effort and the 2010 MDEQ Sampling. It was detected in all all 128 samples. Detected concentrations in 99 samples exceed the ISBI US FPA EC SSL (Bird)). The maximum overall concentration was detected off-site at 0.1-0.1 to '(74,000 ug/kg). The 0.1 sample location is associated with an off-site source related to the MAS historical release. When a NOAEL-based ESLB is calculated, 8 detected concentrations exceed the NOAEL-based value, leaving 120 samples with either detected concentrations that exceed, 2 of those are on-site and the remaining 6 are off-site at the following locations: L02 0.1" (25,000 ug/kg), L02.1-" (27,000 ug/kg), U-0.1-6" (27,000 ug/kg). U-0.1" (25,100 ug/kg), and 0.1-0.1-6" (27,400 ug/kg). When a LOAEL-based ESLB is calculated for the American Robin, only the maximum detected concentration (74,000 ug/kg) exceeds the criteria. The screening HQ calculated based on the LOAEL-based ESLB and the maximum off-site detected concentration is 2.	Distribution and eliminati based on NOAEL-based ESLB	

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													1	ESLB Eva	uation							N	IOAEL-based	ESLB					LOAEL-E	ased ESLB						ı	
Analyte Group	Analyte	CAS Number	Screened Out HH		Lower criteria		Detection Frequency	No. Samples Detected	Total # L Samples	Criteria	Exceed E	% RLs Exceed HH Criteria	Source of ESLB	% Detects Exceed ESLB	Samples	Exceed Sar	mples s	site Detected Concentration		NOAEL- based ESLB	Source of NOAEL ESLB	% Detects Exceed NOAEL ESLB	Samples	% RLs Exceed NOAEL ESLB	No. Samples RL > NOAEL ESLB	Screening Level HQ Based on O site Max Co and NOAE ESLB	- off- LOAEL onc based E	L- Source o SLB LOAEL ESL	% Detection for Exceed LOAEL ES	ts No. Sampl Exceed LOAEL ESI	es Exceed LOAEL ESLB	RL >	Screening Level HQ es Based on Off-site Max Cond and LOAE ESLB	Human Health Lines of Justification	Eco Lines of Justification	Recommendation	Decision
Pesticides	4,4*-DDE	72-55-9	D3	eD2	Eco	#11	57%	73	128	45,000	0%	0% 5	96 USEPA Regi 5 ESL	on 2%	3	0%	0	2,400	4	244	American Robin	-		-			1,222	Americar Robin	n 1%	1	0%	0	2	detections were less than B HH criteria. E N O O S L	4.4-'DDE was analyzed for in the 2005 Dow On-Site sampling effort, the 2006 COM Binded Sampling Effort, and the 2010 MDEQ samples. It was detected in 73 of 12 total samples (57% detection frequency) and only 3 off-site detections exceed the ESLB (USEPA Region 5 ESJ). The maximum detected concentration was in the 2010 MDEQ data set at 81-016-12" at 2,400 ug/kg. It was detected in only 3 locations on-site at concentrations that were an order of magnitude below the ESLB. The other 2 off-site detections that exceed the ESLB were also in the 2006 COM Binde Sampling effort (C-02 O-1" at 719.5 ug/kg and W-03 1-6" at 628 ug/kg). When a LOAEL-based ESLB is developed for the American Robin, only the maximum detected concentration of 2,400 ug/kg at 81-01 6-12" exceeds the benchmark. Th screening HQ based on the off-site maximum detected concentration and the LOAEL-based ESLB is 2.	8 Distribution. Eliminated in 27 June 2014 meeting NOAEL provided but further evaluation was not performed since danalyte is eliminated.	
svocs	bis(2-ethylhexyl) phthalate	117-81-7	, D3	eD2	Eco	#11	63%	80	128	2,800,000	0%	0% 9	USEPA Regi 25 5 ESL	on _{7%}	9	0%	0	3,080	3	90,300	Northern Cardinal	0%	0	0%	0	0.03	903,00	Northerr Cardinal	n 0%	0	0%	0	0	detections were less than d HH criteria. 6 6 6 6 7 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9	ba(2-Ethylhexyliphthalate was analyzed for in the 2005 Dow On-Site sampling effort, the 2006 COM Blinded Sampling effort and the 2010 MDEQ sampling. It was detected in 80 of 128 total samples (63% detection frequency). The detected concentrations in 9 samples exceeded the ESLB (US EPA Region 5 ESL). 7 of these exceedances were from the same sample location in the 2006 COM Blinded Sampling data set (8-01 0-1" and 8-01 1-6"). Th screening HQ based on the off-site maximum detected concentration (8-01 1-6"). Th screening HQ based on the MoAEL-based ESLB is calculated, all detected concentrations and RLs meet the NOAEL-based ESLB is all calculated, all detected some standard of the Standard ESLB and the max off-site detection is less than 1. When a LOAEL-based ESLB. The screening HQ using the LOAEL-based ESLB is and the max off-site detection is less than 1.	s Distribution and eliminat based on NOAEL-based ESLB	
Metals	Lead	7439-92-	1 D6, E1	eD2	Eco	#11	100%	227	227	400,000	0.4%	0% 11	,000 USEPA Eco SSL (Birds	66%	150	0%	0	666,000	61	17,988	American Robin	42%	95	0%	0	37	41,59	9 America Robin	n 16%	37	0%	0	16	exceeded the HH criteria; seliminated based on spatial (idistribution. In the seliminate of the selimi	Lead was analyzed for in all sampling campaigns. It was detected in all 227 samples. Detected concentrations in 150 samples exceed the ESLB (US EPA Eco SS (Birdl)), located both on- and off-site. The overall maximum detected concentration was off-site at D-02 D-1" (666,000 ug/kg). Using Rosner's Outlier Test for lead, for 13s and 5% significance level, the 666,000 ug/kg is identified as an outlier. The nex highest detected concentration found off-site at an area not associated with an of site source not related to the MAS historical release is A-02 (119,000 ug/kg) which yields a screening HQ of 7. When a NOAEL-based ESLB is calculated for the American Robin, there are 132 samples less than the ESLB and 95 samples with detected concentrations that exceed it. When a IOAEL-based ESLB is calculated for the American Robin, 37 detected concentrations (both on- and off-site) exceed the criteria. Using the maximum off-site detected concentration and the LOAEL-base ESLB and the concentration at A-02, the screening HQ is 3. When compared to Modified Urban Background (114,220 ug/kg), there are only 12 samples that exceed the criteria (5% frequency). This includes 3 on-site locations and 9 off-site locations. All 9 off-site locations are found in samples associated with an off-site source not related to the MAS historical release. Recommended for elimination based on Modified Urban Background.	r Background Information a Recommend elimination t based on background. f.	
Metals	Tin	7440-31-5	5 D3	eD2	Eco	#11	6%	11	171	5,500,000	0%	0% 7,	620 USEPA Regi 5 ESL	on 1%	2	0%	0	158,000	21	No Avian Data Available							No Avi Data Availab							detections were less than s HH criteria. n a b	Tin was analyzed for in the 2006 COM Blinded Sampling effort and the 2010 Dow samples. Tin was detected in 11 of 171 total samples (6% detection frequency). A detections were off-site and occurred in the COM Blinded samples (2006). There in on on-site data for tin. Only two detected concentrations exceed the ESI8 (US EP, Region 5 ESI). A 02 1-6* (30,100 ug/kg) and the maximum detected concentration at D-02 0-1* (158,000 ug/kg). Screening HQ using maximum off-site detection is 2 but using second highest concentration the screening HQ is 4. There was no avain data available to calculate a LOAEL-based ESIB. There is no background information available.	Il Distribution. Eliminated s in 27 June 2014 meeting A 1	
svocs	2,3,4,6- Tetrachlorophenol	58-90-2	D3	eD2	Eco	#11	8%	6	72	6,700	0%	0% 1	99 USEPA Regi 5 ESL	on 3%	2	0%	0	450	2	No Avian Data Available	-	-	-	-			No Avia Data Availab				-		-	detections were less than S HH criteria. 2 (I)	2,3,4,6-Tetrachlorophenol was analyzed for in only the 2006 COM Bilinded Sampling effort. It was not carried forward into the 2010 Dow and MDEQ samplin effort. It was only detected in 6 of 72 total samples (8% detection frequency). On 2 detections exceeded the ESLB (US FPA Region 5 ESL) at the same sample location (H-Q2 0-1" and 1-6"). These two detections were an order of magnitude higher than the other 4 detections. Using the off-site maximum detected concentration, the screening level HQ is 2. There was no avian data available to calculate a LOAE based ESLB.	lyin 27 June 2014 meeting n	Reviewed Spatial d Distribution. g Eliminated in 27 June 2014 meeting
Sulfide	Sulfide	18496-25-	8 C2, E1	eD2	Eco	#11	6%	4	72	-		3	.58 USEPA Regi	on 6%	4	94%	68	157,750	44064	No Avian Data Available	-			-	-		No Avia Data Availab							no HH criteria; Eliminated d based on spatial c	Sulfide was only analyzed for in the 2006 COM Blinded Sampling effort. It was detected in 4 or 72 samples (6% detection frequency) and all 4 detected concentrations exceed the ESIB (US FPA Region 5.5) (E-02 0-1", H-03 0-1", J-01 (1" and M-01 0-1"). There is no avian data available to calculate a LOAEL-based ESIB.	Distribution. Eliminated	
Metals	Antimony	7440-36-4	D D6, E1	eD2	Eco	#11	23%	47	204	4,300	0.5%	1.0% 2	USEPA Ec 70 SSL (Mammal:	7%	14	15%	31	4,530	17	No Avian Data Available	-	-		-			No Avi Data Availab	-						exceeded the HH criteria; Leliminated based on spatial distribution.	Antitionory was analyzed for in the 2006 CDM Blinded Sampling effort and the 2016 Dow and MDEQ samples. It was detected in 47 of 204 total samples (23% detection frequency). The detected concentrations in 14 samples exceed the ESLE (US EPA Eco SSL (Mammall). All 14 samples were off-site in the 2006 CDM Blinder sampling data set. The screening level HQ based on the off-site maximum detect concentration is 17 (D-02 0-17). There is no avian data available to calculate a LDAEL-based ESLB. When compared to USGS background information provided by MDEQ (470 ug/kg = Mean + 1 SD of All Data), of the 47 detected concentrations, only 12 concentrations exceed 470 ug/kg. All 12 detections came from the 2006 CDM sampling effort. There were no detections or RLs that exceeded the background value in the 2010 sampling effort. 5 of these exceedances are found a sample location associated with an off-site source not related to the MAS historical release. The remaining 7 detected concentrations that exceed background range from 1,327.5 - 4,530 ug/kg. Recommend elimination based on background.	Distribution and Background Information I Recommend Elimination d based on Background.	

Table 5-16 USGS Michigan Background Soil Values provided by MDEQ Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

Analyte	Number of Samples	Minimum	Maximum	Mean	S.D.	X and 1 SD	X and 2 SD
Antimony ¹	285	0.1	2.35	0.278	1.690	0.470	0.794
Boron ²	32	Non-detect	70	26	18	44	62
Lead ¹	285	3.8	59.5	12.2	1.644	20.1	33.0
Selenium ¹	285	< 0.2	0.9	< 0.2		0.30	0.55
Strontium ¹	285	27.4	198	74.4	1.457	108	158
Thorium ¹	285	0.8	11.6	2.903	1.812	5.26	9.53
Titanium⁺	285	200	5400	1141	1.926	2198	4233

Notes:

All Data in mg/kg

X = geomean

SD = geometric standard deviation

¹ Smith, D.B., Cannon, W.F., Woodruff, L.G., Solano, Federico, Kilburn, J.E., and Fey, D.L., 2013, Geochemical and mineralogical data for soils of the conterminous United States: U.S. Geological Survey Data Series 801, 19 p., http://pubs.usgs.gov/ds/801/

² Boerngen, J.G. and Shacklette, H.T., 1981. *Chemical analysis of soils and other surficial materials of the conterminous United States*. U.S. Geological Survey Open-File Report 81-197.

Off-site Sample Locations with Sources Other than MAS Historical Aerial Release Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

Sample Location	Description	Additional Associated Samples
A-02	Pilot Study Area	A2-01, A2-02, A2-03
	Site B1 is located near old rail spur and a remedy has been completed to	
B1-xx	address this site.	B1-01, B1-02, B1-03
	Sample collected in area of a known industrial site near the Midland	
C-01	Resolution Center.	
	Sample collected in area of a known industrial site near the Midland	
C-02	Resolution Center.	
F-01	Washington Street	F1-01, F1-02, F1-03
H-02	Developed Land	
01-01	Near fuel oil historical release	01-01, 01-02, 01-03
W-03	Spheric Development property.	
l-xx	Sampling Area "I" is now developed.	l1a-01, l1a-02, l1a-03

Table 8-1
Summary Statistics of Dioxin Results by Data Set and Depth
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						2005/6 Do	w On-Site							2006 CC	OM Blind							2010 Do	w/MDEQ			
Analyte	Unit	Depth Interval	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs
WHO-TEQ_2005	ppt	(1) 0 in - 1 in	28	100%	23,796	60,346	7.90	299,017	-	-	223	100%	152	145	2.5	915	-	-	138	100%	332	417	9.63	2,750	-	-
WHO-TEQ_2005	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	159	150	2.9	633	-	-	138	100%	340	909	7.19	10,500	-	-
WHO-TEQ_2005	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	138	100%	196	282	0.49	1,310	-	-
WHO-TEQ_2005 1,2,3,4,6,7,8-HpCDD	ppt	(4) > 1 ft	0 28	100%	26 502	69,283	88	287,057	-	-	0 161	100%	1,228	1,434	18.1	10,900	-	-	154	100% 100%	76.8	109	0.231	807 13,514	-	-
1,2,3,4,6,7,8-HpCDD		(1) 0 in - 1 in (2) 1 in - 6 in	0	-	36,582	-	-	-	-	-	35	100%	1,524	1,560	16.9	7,400	-	-	139 139	100%	2,646 2,118	2,633 2,175	39	12,382	-	-
1,2,3,4,6,7,8-HpCDD		(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	138	100%	1,306	2,304	8.02	12,833	-	-
1,2,3,4,6,7,8-HpCDD	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	•	-	-	-	-	-	153	100%	478	782	0.962	5,051	-	-
1,2,3,4,6,7,8-HpCDF	ppt	(1) 0 in - 1 in	27	100%	28,812	39,979	43	116,877	-	-	161	100%	712	870	5.44	4,980	-	-	139	100%	1,734	2,071	26	13,884	-	-
1,2,3,4,6,7,8-HpCDF		(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	927	1,057	5.62	4,770	-	-	139	100%	1,678	2,595	17.5	24,753	-	-
1,2,3,4,6,7,8-HpCDF 1,2,3,4,6,7,8-HpCDF		(3) 6 in - 1 ft (4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	138 153	100% 99%	1,203 625	1,816 1,097	6.14 0.922	7,892 7,575	0.743	0.743
		(1) 0 in - 1 in	27	100%	1,513	3,257	3.1	16,507	-	_	161	100%	29.7	43.2	0.82	347	-	-	138	100%	70.0	85.4	1.67	578	-	-
1,2,3,4,7,8,9-HpCDF		(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	44.8	65.4	0.429	307	-	-	139	100%	84.1	317	0.76	3,717	-	-
		(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	133	98%	63.6	184	0.796	1,870	0.738	0.749
1,2,3,4,7,8,9-HpCDF	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	144	93%	21.3	31.4	0.276	213	0.536	0.743
1,2,3,4,7,8-HxCDD	ppt	(1) 0 in - 1 in	28	100%	482	824	2	3,596	-	-	161	100%	24.7	27.6	0.833	203	-	-	139	100%	51.4	53.1	1.9	258	-	-
1,2,3,4,7,8-HxCDD	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35 0	100%	25.5	24.6	0.776	104	-	-	139	100%	53.1	152	1.19	1,774	-	-
1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDD	ppt	(3) 6 in - 1 ft (4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	135 147	100% 95%	31.0 11.5	49.3 18.0	0.235 0.13	247 103	0.142	0.571
1,2,3,4,7,8-HxCDF	ppt	(1) 0 in - 1 in	28	100%	2,670	5,877	11	30,935	_	_	161	100%	56.4	76.1	0.716	548	_	-	139	100%	141	188	2.82	1,294	-	-
1,2,3,4,7,8-HxCDF	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	80.8	118	0.721	563	-	-	139	100%	200	891	1.46	10,476	-	-
1,2,3,4,7,8-HxCDF	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	1	-	-	•	-	-	137	100%	127	296	0.785	2,824	-	-
1,2,3,4,7,8-HxCDF	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	153	98%	49.0	73.7	0.214	591	0.143	0.149
1,2,3,6,7,8-HxCDD	ppt	(1) 0 in - 1 in	28	100%	1,465	2,193	4.5	10,319	-	-	161	100%	69.8	77.6	1.51	484	-	-	139	100%	154	163	5.7	830	-	-
1,2,3,6,7,8-HxCDD	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	83.2	87.7	1.46	408	-	-	139	100%	165	469	3.64	5,474	-	-
1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDD	ppt ppt	(3) 6 in - 1 ft (4) > 1 ft	0	-	-	-	-	-	-	-	0	-		-	-	-	-	-	138 151	100% 97%	98.9 38.7	163 58.3	0.569 0.166	1,040 384	0.149	0.59
1,2,3,6,7,8-HxCDF	ppt	(1) 0 in - 1 in	23	100%	652	1,389	2.8	6,467	-	-	161	100%	28.0	42.8	0.422	267	-	-	139	100%	101	306	1.67	2,227	-	-
1,2,3,6,7,8-HxCDF	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	35.2	44.0	0.419	204	-	-	139	100%	154	1,067	0.87	12,514	-	-
1,2,3,6,7,8-HxCDF	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	ı	-	-	•	-	-	137	100%	48.2	106	0.347	981	-	-
1,2,3,6,7,8-HxCDF	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	151	97%	18.1	25.2	0.189	171	0.143	0.157
1,2,3,7,8,9-HxCDD	ppt	(1) 0 in - 1 in	28	100%	928	1,443	3.6	5,640	-	-	161	100%	45.4	49.1	1.24	346	-	-	139	100%	97.0	99.4	3.9	546	-	-
1,2,3,7,8,9-HxCDD	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35 0	100%	49.2	51.1	1.2	255	-	-	139	100%	96.0	234 88.3	2.65	2,700 433	-	-
1,2,3,7,8,9-HxCDD 1,2,3,7,8,9-HxCDD	ppt ppt	(3) 6 in - 1 ft (4) > 1 ft	0	-	-	-		-	-	-	0	-		-	-	-	-	-	137 150	100% 96%	56.3 22.7	35.3	0.345 0.164	224	0.143	0.623
1,2,3,7,8,9-HxCDF	ppt	(1) 0 in - 1 in	20	100%	393	1,125	1.7	4,967	-	-	161	100%	3.95	11.69	0.263	146	-	-	135	96%	8.60	17.05	0.23	144	5.8	6.3
1,2,3,7,8,9-HxCDF	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	3.87	4.82	0.363	22.25	-	-	136	99%	9.75	32.33	0.16	355	6	6
1,2,3,7,8,9-HxCDF	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	123	98%	12.8	43.9	0.16	452	0.148	5.5
1,2,3,7,8,9-HxCDF	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	144	94%	9.69	21.14	0.212	174	0.142	1.03
1,2,3,7,8-PCDD	ppt	(1) 0 in - 1 in	28	100%	988	1,648	1.3	6,960	-	-	161	100%	32.2	34.5	0.761	224	-	-	139	100%	64.8	72.2	2.4	386	-	-
1,2,3,7,8-PCDD 1,2,3,7,8-PCDD	ppt ppt	(2) 1 in - 6 in (3) 6 in - 1 ft	0	-	-	-	-	-	-	-	35 0	100%	29.2	26.1	1.01	122	-	-	139 135	100% 100%	68.8 40.4	198 64.2	1.81 0.300	2,304 376	-	-
1,2,3,7,8-PCDD	ppt	(4) > 1 ft	0	-	-	-		-	-	-	0	-	-	-	-	-	-	-	149	95%	56.0	493	0.300	6,025	0.096	0.335
1,2,3,7,8-PCDF	ppt	(1) 0 in - 1 in	28	100%	545	1,035	3.7	4,000	-	-	161	100%	23.8	37.0	0.3	238	-	-	139	100%	51.0	67.8	1.1	409	-	-
1,2,3,7,8-PCDF	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	29.9	51.0	0.235	271	-	-	139	100%	63.1	125	0.48	1,022	-	-
1,2,3,7,8-PCDF	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	136	100%	50.4	89.6	0.289	707	-	-
1,2,3,7,8-PCDF	ppt	(4) > 1 ft	0	-	-	-		-	-	-	0	-	-	-	-	-	-	-	154	99%	29.9	69.8	0.095	626	0.096	0.099
2,3,4,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF	ppt	(1) 0 in - 1 in (2) 1 in - 6 in	27	100%	968	2,375	1.4	12,359	-	-	161 35	100% 100%	21.0 23.0	34.1 26.1	0.506 0.609	251 130	-	-	139 139	94% 96%	108 174	428 1,338	1.04	3,327 15,602	0.758 1.89	20.7 22.5
2,3,4,6,7,8-HxCDF	ppt ppt	(3) 6 in - 1 ft	0	-	-	-	<u> </u>	-	-	-	0	100%	-	- 20.1	- 0.609	-	-	-	131	95%	30.7	62.8	0.87 0.48	631	0.932	24.9
2,3,4,6,7,8-HxCDF	ppt	(4) > 1 ft	0	-	-	_	-	-	-	-	0	-	-	-	-	-	-	-	150	73%	9.71	18.13	0.145	155	0.149	28.8
2,3,4,7,8-PCDF	ppt	(1) 0 in - 1 in	28	100%	668	1,217	2.8	5,952	-	-	161	100%	27.1	40.3	0.422	248	-	-	134	100%	84.3	200	1.77	1,357	-	-
2,3,4,7,8-PCDF	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	31.1	40.7	0.541	197	-	-	138	100%	125	730	0.72	8,529	-	-
2,3,4,7,8-PCDF	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	130	100%	58.3	98.2	0.583	841	-	-
2,3,4,7,8-PCDF	ppt	(4) > 1 ft	0	-	- 04.000	-	-	-	-	-	0	4.000/	-	-	- 0.700	-	-	-	148	99%	28.4	50.2	0.167	393	0.295	0.295
2,3,7,8-TCDD 2,3,7,8-TCDD	ppt	(1) 0 in - 1 in (2) 1 in - 6 in	28 0	100%	21,000	58,287	0.8	289,000	-	-	161 35	100% 100%	62.5 56.0	66.8 64.0	0.739 0.876	398 269	-	-	139 139	100% 100%	113 91.7	156 97.4	3.2 2.81	934 532	-	-
2,3,7,8-TCDD 2,3,7,8-TCDD	ppt ppt	(3) 6 in - 1 ft	0	-	-	-	<u> </u>	-	-	-	0	100%	- 50.0	- 64.0	0.876	209	-	-	136	100%	61.6	113	0.218	598	-	-
2,3,7,8-TCDD	ppt	(4) > 1 ft	0	-	-	-		-	-	-	0	-	-	-	-	-	-	-	150	97%	20.0	43.4	0.210	311	0.157	0.679
_,0,.,0 . 322	144,	(.) - 1 10	<u> </u>	1	1	1		1	1			1		I.	l		1		.00	5170	_5.0		<u> </u>	Ų.i	001	0.010

Table 8-1 Summary Statistics of Dioxin Results by Data Set and Depth Part II - Remedial Investigastion Report The Dow Chemical Company, Michigan Operations

				2005/6 Dow On-Site								2006 CO	M Blind							2010 Do	w/MDEQ					
Analyte	Unit	Depth Interval	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs
2,3,7,8-TCDF	ppt	(1) 0 in - 1 in	28	100%	759	1,519	5	6,572	-	-	161	100%	33.1	58.6	0.416	412	-	-	137	100%	76.1	104	1.4	622	-	-
2,3,7,8-TCDF	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	43.3	82.4	0.261	462	-	-	137	100%	81.2	134	0.74	935	-	-
2,3,7,8-TCDF	ppt	(3) 6 in - 1 ft	0	-	-	-	1	-	-	-	0	-	-	-	-	-	-	-	134	100%	76.8	147	0.296	1,139	-	-
2,3,7,8-TCDF	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	153	99%	43.9	107	0.151	863	0.137	0.804
OCDD	ppt	(1) 0 in - 1 in	28	100%	368,918	707,133	890	2,911,985	-	-	161	100%	12,514	15,684	104	121,000	-	-	139	100%	27,899	26,595	560	151,009	-	-
OCDD	ppt	(2) 1 in - 6 in	0	-	-	-	1	-	-	-	35	100%	16,125	18,087	101	91,700	-	-	139	100%	21,755	22,254	348	146,440	-	-
OCDD	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	138	100%	12,924	22,695	85.9	145,854	-	-
OCDD	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	154	100%	5,181	8,951	4.21	59,361	-	-
OCDF	ppt	(1) 0 in - 1 in	28	100%	56,375	97,470	75	393,873	-	-	161	100%	1,202	1,445	7.48	9,900	-	-	139	100%	3,065	3,818	45.9	26,700	-	-
OCDF	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	1,616	1,783	7.07	7,440	-	-	138	100%	2,614	3,738	27.7	34,995	-	-
OCDF	ppt	(3) 6 in - 1 ft	0	-	-	-	•	-	-	-	0	-	-	-	-	-	-	-	138	100%	1,935	3,797	8.95	26,000	-	-
OCDF	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	151	99%	851	1,587	1.04	10,600	2.23	2.23
Notes:																										
If duplicates exist,	the average o	f the duplicate re	sults was u	sed as a sir	ngle data po	int.																				
Nondetects were s	ubstituted by I	half of reporting I	limit (RL) fo	r the compu	itation of sui	mmary statis	stics.																			
Laboratory QAQC	results are no	t included.												-												
Missing data are p	ending to be in	ncluded.																								

Table 8-2 Summary Statistics of Dioxin Results for the Combined 2006 CH2M Hill and 2010 Dow and MDEQ Data Sets by Depth Part II - Remedial Investigation Report

The Dow Chemical Company, Michigan Operations

			Summma	ry Statistics o	of Combined	2006 CH2M H	ll <u>and</u> 2010 D	ow/MDEQ		Compare to Dioxin Criteria				
Chemical	Unit	Depth Interval	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	No. of Samples > 250 ppt	% of Samples > 250 ppt	No. of Samples > 300 ppt	% of Samples > 300 ppt		
WHO-TEQ_2005	ppt	(1) 0 in - 1 in	361	100%	221	295	2.5	2750	102	28%	82	23%		
WHO-TEQ_2005	ppt	(2) 1 in - 6 in	173	100%	303	817	2.9	10500	69	40%	56	32%		
WHO-TEQ_2005	ppt	(3) 6 in - 1 ft	138	100%	196	282	0.49	1310	32	23%	28	20%		
WHO-TEQ_2005	ppt	(4) > 1 ft	154	100%	76.8	109.4	0.231	807	11	7%	8	5%		
Notes:														
If duplicates exist,	the av	erage of the du	plicate resu	ılts was use	d as a sing	le data poin	t.							
Nondetects were s	Nondetects were substituted by half of reporting limit (RL) for the computation of summary statistics.													
Laboratory QAQC results are not included.														
Missing data are p	Missing data are pending to be included.													

Table 9-1
Year 1 Property Information, Implementation Activities
Part II - Remedial Investigation Report
The Dow Chemical Company, Michigan Operations

Property Address ¹ Phase I	Property Zip	ZONING	Property ID Number	Property Acreage
501 STATE ST	48640	MULT	14-21-10-622	0.99
704 E GROVE ST	48640		14-21-10-630	0.17
615 E INDIAN ST	48640		14-16-50-064	0.35
611 E INDIAN ST	48640		14-16-50-063	0.14
502 GEORGE ST	48640		14-16-50-062	0.13
508 GEORGE ST	48640		14-16-50-060	0.13
612 E GROVE ST	48640		14-16-40-410	0.17
512 GEORGE ST	48640		14-16-50-058	0.15
516 GEORGE ST	48640		14-16-50-056	0.15
616 E GROVE ST	48640	RB	14-16-40-406	0.27
515 E BUTTLES ST	48640	os	14-16-50-096	0.16
509 E BUTTLES ST	48640	os	14-16-50-095	0.17
411 GEORGE ST	48640		14-16-50-065	0.17
505 E BUTTLES ST	48640	os	14-16-50-094	0.17
415 GEORGE ST	48640	os	14-16-50-066	0.17
501 E BUTTLES ST	48640	os	14-16-50-092	0.17
412 CRONKRIGHT ST	48640	os	14-16-50-090	0.17
416 CRONKRIGHT ST	48640	os	14-16-50-088	0.17
1010 E GROVE ST	48640	RB	14-21-10-410	1.31
1015 E GROVE ST	48640	RB	14-21-10-408	0.17
915 E INDIAN ST	48640	os	14-21-10-536	0.17
1011 E GROVE ST	48640	RB	14-21-10-406	0.17
909 E INDIAN ST	48640	os	14-21-10-534	0.17
609 FOURNIE ST	48640	RB	14-21-10-346	0.17
602 HALEY ST	48640	RB	14-21-10-404	0.17
916 E GROVE ST	48640	RB	14-21-10-520	0.17
613 FOURNIE ST	48640	RB	14-21-10-350	0.17
606 HALEY ST	48640	RB	14-21-10-402	0.17
914 E GROVE ST	48640	RB	14-21-10-522	0.17
901 E INDIAN ST	48640	os	14-21-10-530	0.33
510 MILL ST	48640	RB	14-21-10-528	0.13
612 HALEY ST	48640	RB	14-21-10-400	0.21
614 HALEY ST	48640	RB	14-21-10-398	0.12
516 MILL ST	48640	RB	14-21-10-524	0.20
915 E GROVE ST	48640	RB	14-21-10-554	0.17
913 E GROVE ST	48640	RB	14-21-10-552	0.17
811 E INDIAN ST	48640	os	14-21-10-604	0.33
613 HALEY ST	48640	RB	14-21-10-538	0.17
602 MILL ST	48640	RB	14-21-10-550	0.17
816 E GROVE ST	48640	RB	14-21-10-590	0.17
615 HALEY ST	48640	RB	14-21-10-540	0.17
606 MILL ST	48640	RB	14-21-10-548	0.17
812 E GROVE ST	48640	RB	14-21-10-592	0.17
610 MILL ST	48640	RB	14-21-10-546	0.17
502 STATE ST	48640	os	14-21-10-600	0.50
906 E PINE ST	48640	RB	14-21-10-542	0.17
808 E GROVE ST	48640	RB	14-21-10-594	0.17
1110 E GROVE ST	48640	RB	14-21-10-344	0.31
1110 E PINE ST	48640	RB	14-21-10-308	1.20
613 E BUTTLES ST	48640	os	14-21-80-470	0.17
609 E BUTTLES ST	48640	os	14-21-80-468	0.17
616 E INDIAN ST	48640	OS	14-21-80-492	0.21
612 E INDIAN ST	48640	OS	14-21-80-494	0.17
402 GEORGE ST	48640	OS	14-21-80-499	0.34
412 GEORGE ST	48640	OS	14-21-80-498	0.17
416 GEORGE ST	48640	OS	14-21-80-496	0.17

Table 9-1
Year 1 Property Information, Implementation Activities
Part II - Remedial Investigation Report
The Dow Chemical Company, Michigan Operations

			Dranarty ID	Property
Property Address ¹	Property Zip	ZONING	Property ID Number	Acreage
715 E BUTTLES ST	48640		14-21-80-480	0.17
711 E BUTTLES ST	48640		14-21-80-478	0.12
409 STATE ST	48640		14-21-80-482	0.08
707 E BUTTLES ST	48640	os	14-21-80-476	0.12
411 STATE ST	48640	os	14-21-80-484	0.08
701 E BUTTLES ST	48640	os	14-21-80-472	0.25
712 E INDIAN ST	48640	os	14-21-80-486	0.18
706 E INDIAN ST	48640	os	14-21-80-488	0.15
702 E INDIAN ST	48640	os	14-21-80-490	0.12
306 KENT CT	48642	RB	14-23-60-154	0.22
301 WALTER CT	48642	RB	14-23-60-088	0.24
310 KENT CT	48642	RB	14-23-60-152	0.21
307 WALTER CT	48642	RB	14-23-60-090	0.26
309 WALTER CT	48642	RB	14-23-60-092	0.22
306 WALTER CT	48642	RB	14-23-60-080	1.47
314 KENT CT	48642	RB	14-23-60-148	0.15
311 WALTER CT	48642	RB	14-23-60-094	0.21
316 WALTER CT	48642	RB	14-23-60-078	0.47
320 WALTER CT	48642	RB	14-23-60-076	0.34
324 WALTER CT	48642	RB	14-23-60-074	0.34
322 KENT CT	48642	RB	14-23-60-144	0.23
328 WALTER CT	48642	RB	14-23-60-072	0.32
328 KENT CT	48642	RB	14-23-60-142	0.25
329 WALTER CT	48642	RB	14-23-60-102	0.22
332 WALTER CT	48642	RB	14-23-60-070	0.40
332 KENT CT	48642	RB	14-23-60-140	0.22
401 WALTER CT	48642	RB	14-23-60-106	0.22
400 WALTER CT	48642	RB	14-23-60-068	0.64
400 KENT CT	48642	RB	14-23-60-132	0.68
408 WALTER CT	48642	RB	14-23-60-064	0.48
410 KENT CT	48642	RB	14-23-60-131	0.18
409 WALTER CT	48642	RB	14-23-60-110	0.20
410 WALTER CT	48642	RB	14-23-60-062	0.49
412 KENT CT	48642	RB	14-23-60-130	0.27
413 WALTER CT	48642	RB	14-23-60-112	0.30
416 KENT CT	48642	RB	14-23-60-128	0.43
424 KENT CT	48642	RB	14-23-60-124	0.23
2201 MARK PUTNAM RD	48642	IA	14-23-50-060	2.07
425 WALTER CT	48642	RB	14-23-60-120	0.48
420 KENT CT	48642	RB	14-23-60-126	0.28
2208 BAY CITY RD	48642	RB	14-23-60-122	0.24
319 WALTER CT	48642	RB	14-23-60-098	0.18
318 KENT CT	48642	RB	14-23-60-146	0.22
325 WALTER CT	48642	RB	14-23-60-100	0.22
312 KENT CT	48642		14-23-60-150	0.23
301 KENT CT	48642		14-23-60-156	0.38
309 KENT CT		MULT	14-23-60-160	1.58
315 KENT CT		MULT	14-23-60-164	0.16
315 KENT CT		MULT	14-23-60-164	0.98
319 KENT CT		MULT	14-23-60-168	0.49
323 KENT CT		MULT	14-23-60-170	0.49
327 KENT CT		MULT	14-23-60-172	0.97
331 KENT CT		MULT	14-23-60-176	0.97
409 KENT CT	48642		14-23-60-184	0.43
415 KENT CT	48642		14-23-60-190	0.27
419 KENT CT	48642		14-23-60-196	0.26
2127 MARK PUTNAM RD	48642	IA	14-23-50-070	0.95

Table 9-1
Year 1 Property Information, Implementation Activities
Part II - Remedial Investigation Report
The Dow Chemical Company, Michigan Operations

			Dramantii ID	Duamanti
Property Address ¹	Property Zip	ZONING	Property ID Number	Property Acreage
Phase II	Floperty Zip	ZONING	Number	Acreage
706 MILL ST	48640	RC	14-16-40-508	0.19
710 MILL ST	48640	RC	14-16-40-510	0.34
801 HALEY ST	48640	RA4	14-16-40-612	0.27
805 HALEY ST	48640	RA4	14-16-40-614	0.18
811 HALEY ST	48640	RA4	14-16-40-616	0.18
815 HALEY ST	48640	RA4	14-16-40-618	0.18
819 HALEY ST	48640	RA4	14-16-40-620	0.18
1001 HALEY ST	48640	RA4	14-16-40-622	0.18
1007 HALEY ST	48640	RA4	14-16-40-624	0.18
916 E CARPENTER ST	48640	RA4	14-16-40-626	0.19
	48640	RA4	14-16-40-630	
912 & 914 E CARPENTER ST				0.18
906 E CARPENTER ST	48640	RA4	14-16-40-632	0.18
902 E CARPENTER ST	48640	RA4	14-16-40-634	0.25
1006 MILL ST	48640	RA4	14-16-40-636	0.19
1002 MILL ST	48640	RA4	14-16-40-638	0.19
820 MILL ST	48640	RA4	14-16-40-640	0.20
812 MILL ST	48640	RA4	14-16-40-642	0.19
810 MILL ST	48640	RA4	14-16-40-644	0.19
806 MILL ST	48640	RA4	14-16-40-646	0.19
802 MILL ST	48640	RA4	14-16-40-648	0.29
1110 E CARPENTER ST	48640	RB	14-16-40-649	0.55
811 FOURNIE ST	48640	RA4	14-16-40-654	0.19
813 FOURNIE ST	48640	RA4	14-16-40-656	0.19
819 FOURNIE ST	48640	RA4	14-16-40-658	0.19
1001 & 1,2 FOURNIE ST	48640	RA4	14-16-40-660	0.19
1007 FOURNIE ST	48640	RA4	14-16-40-662	0.19
1016 E CARPENTER ST	48640	RA4	14-16-40-664	0.25
1010 E CARPENTER ST	48640	RA4	14-16-40-666	0.17
1000 & 1006 E CARPENTER S	48640	NC	14-16-40-670	0.21
1014 & 1016 HALEY ST	48640	NC	14-16-40-672	0.24
1010 HALEY ST	48640	RA4	14-16-40-674	0.19
1002 HALEY ST	48640	RA4	14-16-40-676	0.19
818 & 1,2,3 HALEY ST	48640	RA4	14-16-40-678	0.18
816 & 816 1/2 HALEY ST	48640	RA4	14-16-40-680	0.19
810 HALEY ST	48640	RA4	14-16-40-682	0.19
806 HALEY ST	48640	RA4	14-16-40-684	0.19
806 FOURNIE ST	48640	RB	14-21-10-290	3.10
711 FOURNIE ST	48640	RB	14-21-10-316	0.19
715 FOURNIE ST	48640	RB	14-21-10-317	0.10
717 FOURNIE ST	48640	RB	14-21-10-318	0.09
719 FOURNIE ST	48640	RB	14-21-10-319	0.20
807 FOURNIE ST	48640	RA4	14-21-10-320	0.20
803 FOURNIE ST	48640	RA4	14-21-10-322	0.21
1109 E PINE ST	48640	RB	14-21-10-322	2.08
720 HALEY ST	48640	RA4	14-21-10-384	0.41
716 HALEY ST	48640	RB	14-21-10-386	0.19
712 HALEY ST	48640	RB	14-21-10-388	0.19
706 HALEY ST	48640	RB	14-21-10-390	0.19
702 HALEY ST	48640	RB	14-21-10-392	0.24
1009 E PINE ST	48640	RB	14-21-10-394	0.19
1013 E PINE ST	48640	RB	14-21-10-396	0.24
701 HALEY ST	48640	RC	14-21-10-558	0.43
711 HALEY ST	48640	RC	14-21-10-562	0.19
715 HALEY ST	48640	RC	14-21-10-564	0.32
907 E PINE ST	48640	RC	14-21-10-568	0.19
901 E PINE ST	48640	RC	14-21-10-570	0.25
800 E HALEY ST	48640	RB	14-15-50-012	0.19
804 & 808 E HALEY ST	48640	RB	14-15-50-010	0.25
720 E HALEY ST	48640	RB	14-15-50-014	0.19

Property Address ¹	Property Zip	ZONING	Property ID Number	Property Acreage
716 E HALEY ST	48640	RB	14-15-50-016	0.19
712 E HALEY ST	48640	RB	14-15-50-018	0.19
704, 706, 708, & 710 E HALE	48640	RB	14-15-50-020	0.47

Notes:

¹ All Properties are within the City of Midland, MI

Zoning Codes

IA = Industrial

MULTI = Indicates that there is more than one zoning classification for that parcel

NC = Neighborhood Commercial

OS = Office Space

RA4 = Residential

RB = Residential

RC = Regional Commercial

The bow ci	iennicai con	ipaliy, iv	lichigan Operati	1
	Property		Property ID	Property
Property Address ¹	Zip	Zoning		Acreage
Phase I 2013				
1400 BAYLISS ST	48640	RC	14-15-50-108	0.18
1318 BAYLISS ST	48640	RC	14-15-50-110	0.11
1420 BAYLISS ST	48640	RC	14-15-50-112	0.38
1316 BAYLISS ST	48640	RC	14-15-50-116	0.11
1314 BAYLISS ST	48640	RC	14-15-50-118	0.11
1312 BAYLISS ST	48640	RC	14-15-50-120	0.11
1310 BAYLISS ST	48640	RC	14-15-50-122	0.11
1308 BAYLISS ST	48640	RC	14-15-50-124	0.11
1306 BAYLISS ST	48640	RC	14-15-50-126	0.11
1304 BAYLISS ST	48640	RC	14-15-50-128	0.11
1302 BAYLISS ST	48640	RC	14-15-50-130	0.11
501 E PATRICK RD	48642	RC	14-15-50-132	0.11
1422 BAYLISS ST	48640	RC	14-15-50-147	1.07
400 ARBURY PL	48640	RB	14-15-50-586	0.50
314 ARBURY PL	48640	RB	14-15-50-588	0.17
310 ARBURY PL	48640	RB	14-15-50-590	0.17
308 ARBURY PL	48640	RB	14-15-50-592	0.50
306 ARBURY PL	48640	RB	14-15-50-594	0.66
302 ARBURY PL	48640	RB	14-15-50-598	0.17
224 ARBURY PL	48640	RB	14-15-50-600	0.17
212 ARBURY PL	48640	RB	14-15-50-602	0.17
210 ARBURY PL	48640	RB	14-15-50-604	0.17
1418 LINCOLN ST	48640	RB	14-15-50-606	0.18
1414 LINCOLN ST	48640	RB	14-15-50-608	0.17
1410 LINCOLN ST	48640	RB	14-15-50-610	0.17
1406 LINCOLN ST	48640	RB	14-15-50-612	0.17
1408 LINCOLN ST	48640	RB	14-15-50-614	0.17
1402 LINCOLN ST	48640	RB	14-15-50-616	0.17
1318 LINCOLN ST	48640	RB	14-15-50-618	0.17
1312 LINCOLN ST	48640	RB	14-15-50-620	0.17
1314 LINCOLN ST	48640	RB	14-15-50-622	0.17
1310 LINCOLN ST	48640	RB	14-15-50-624	0.17
201 E PATRICK RD	48642	RB	14-15-50-626	0.17
205 E PATRICK RD	48642	RB	14-15-50-628	0.17
209 E PATRICK RD	48642	RB	14-15-50-630	0.36
217 E PATRICK RD	48642	RB	14-15-50-636	1.88
221 E PATRICK RD	48642	RB	14-15-50-650	5.22
311 E PATRICK RD	48642	RB	14-15-50-660	0.33
315 E PATRICK RD	48642	RB	14-15-50-664	0.17
413 E PATRICK RD	48642	RB	14-15-50-672	0.18
415 E PATRICK RD	48642	RB	14-15-50-674	0.25
116 ARBURY PL	48640	RB	14-15-50-724	0.21
1418 JEFFERSON AVE	48640	RB	14-15-50-726	0.14
1414 JEFFERSON AVE	48640	RB	14-15-50-728	0.12
1410 JEFFERSON AVE	48640	RB	14-15-50-730	0.16
1406 JEFFERSON AVE	48640	RB	14-15-50-732	0.16
1402 JEFFERSON AVE	48640	RB	14-15-50-734	0.21

The Dow Chemical Company, Michigan Operations						
	Property		Property ID	Property		
Property Address ¹	Zip	Zoning		Acreage		
1322 JEFFERSON AVE	48640	RB	14-15-50-736	0.16		
1318 JEFFERSON AVE	48640	RB	14-15-50-738	0.16		
1314 JEFFERSON AVE	48640	RB	14-15-50-740	0.16		
1310 JEFFERSON AVE	48640	RB	14-15-50-742	0.16		
1306 JEFFERSON AVE	48640	RB	14-15-50-744	0.13		
1302 JEFFERSON AVE	48640	RB	14-15-50-746	0.13		
111 E PATRICK RD	48642	RB	14-15-50-748	0.17		
115 E PATRICK RD	48642	RB	14-15-50-750	0.16		
1309 LINCOLN ST	48640	RB	14-15-50-752	0.16		
1313 LINCOLN ST	48640	RB	14-15-50-754	0.16		
1319 LINCOLN ST	48640	RB	14-15-50-756	0.16		
1401 LINCOLN ST	48640	RB	14-15-50-758	0.16		
1405 LINCOLN ST	48640	RB	14-15-50-760	0.16		
1409 LINCOLN ST	48640	RB	14-15-50-762	0.17		
1411 LINCOLN ST	48640	RB	14-15-50-764	0.17		
1420 FOURNIE ST	48640	RB	14-16-40-040	0.15		
1412 FOURNIE ST	48640	RB	14-16-40-042	0.33		
1402 FOURNIE ST	48640	RB	14-16-40-048	0.17		
1107 NORTH ST	48640	RB	14-16-40-050	0.17		
1115 NORTH ST	48640	RB	14-16-40-052	0.33		
1117 NORTH ST	48640	RB	14-16-40-056	0.09		
1413 JEFFERSON AVE	48640	RB	14-16-40-058	0.15		
1301 PATRICK RD	48640	RB	14-16-40-064	0.25		
1307 JEFFERSON AVE	48640	RB	14-16-40-066	0.20		
1311 JEFFERSON AVE	48640	RB	14-16-40-068	0.16		
1315 JEFFERSON AVE	48640	RB	14-16-40-070	0.16		
1317 JEFFERSON AVE	48640	RB	14-16-40-072	0.16		
1306 FRANKLIN ST	48640	RB	14-16-40-074	0.18		
1302 FRANKLIN ST	48640	RB	14-16-40-076	0.16		
1120 FRANKLIN ST	48640	RB	14-16-40-078	0.16		
1116 FRANKLIN ST	48640	RB	14-16-40-080	0.16		
1112 FRANKLIN ST	48640	RB	14-16-40-082	0.12		
1316 FOURNIE ST	48640	RB	14-16-40-086	0.18		
1312 FOURNIE ST	48640	RB	14-16-40-088	0.17		
1306 FOURNIE ST	48640	RB	14-16-40-090	0.17		
1302 FOURNIE ST	48640	RB	14-16-40-092	0.17		
1120 FOURNIE ST	48640	RB	14-16-40-094	0.17		
1116 FOURNIE ST	48640	RB	14-16-40-096	0.17		
1110 FOURNIE ST	48640	RB	14-16-40-098	0.17		
1101 E CARPENTER ST	48640	RB	14-16-40-100	0.17		
1105 E CARPENTER ST	48640	RB	14-16-40-102	0.17		
1113 E CARPENTER ST	48640	RB	14-16-40-104	0.33		
1111 FRANKLIN ST	48640	RB	14-16-40-108	0.17		
1113 FRANKLIN ST	48640	RB	14-16-40-110	0.16		
1119 FRANKLIN ST	48640	RB	14-16-40-112	0.16		
1301 FRANKLIN ST	48640	RB	14-16-40-114	0.16		
1307 FRANKLIN ST	48640	RB	14-16-40-116	0.16		
1309 FRANKLIN ST	48640	RB	14-16-40-118	0.16		
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The Dow Chemical Company, Michigan Operations						
	Property		Property ID	Property		
Property Address ¹	Zip	Zoning	Number	Acreage		
1313 FRANKLIN ST	48640	RB	14-16-40-120	0.18		
1316 HALEY ST	48640	RA4	14-16-40-122	0.18		
1310 HALEY ST	48640	RA4	14-16-40-124	0.17		
1306 HALEY ST	48640	RA4	14-16-40-126	0.17		
1302 HALEY ST	48640	RA4	14-16-40-128	0.17		
1118 HALEY ST	48640	RA4	14-16-40-130	0.17		
1116 HALEY ST	48640	RA4	14-16-40-132	0.17		
1112 HALEY ST	48640	RA4	14-16-40-134	0.17		
1001 E CARPENTER ST	48640	NC	14-16-40-136	0.17		
1007 E CARPENTER ST	48640	RA1	14-16-40-138	0.17		
1009 E CARPENTER ST	48640	RA4	14-16-40-140	0.17		
1015 E CARPENTER ST	48640	RA4	14-16-40-142	0.17		
1111 FOURNIE ST	48640	RA4	14-16-40-144	0.17		
1115 FOURNIE ST	48640	RA4	14-16-40-146	0.17		
1119 FOURNIE ST	48640	RA4	14-16-40-148	0.16		
1301 FOURNIE ST	48640	RA4	14-16-40-150	0.16		
1307 FOURNIE ST	48640	RA4	14-16-40-152	0.16		
1311 FOURNIE ST	48640	RA4	14-16-40-154	0.16		
1315 FOURNIE ST	48640	RA4	14-16-40-156	0.18		
1316 MILL ST	48640	RA4	14-16-40-160	0.18		
1312 MILL ST	48640	RA4	14-16-40-162	0.17		
1308 MILL ST	48640	RA4	14-16-40-164	0.17		
1302 MILL ST	48640	RA4	14-16-40-166	0.17		
1120 MILL ST	48640	RA4	14-16-40-168	0.17		
1116 MILL ST	48640	RA4	14-16-40-170	0.17		
1112 MILL ST	48640	RA4	14-16-40-172	0.17		
903 E CARPENTER ST	48640	RA4	14-16-40-174	0.17		
905 E CARPENTER ST	48640	RA4	14-16-40-176	0.17		
911 E CARPENTER ST	48640	RA4	14-16-40-178	0.17		
915 E CARPENTER ST	48640	NC	14-16-40-180	0.17		
1109 HALEY ST	48640	RA4	14-16-40-182	0.17		
1113 HALEY ST	48640	RA4	14-16-40-184	0.17		
1117 HALEY ST	48640	RA4	14-16-40-186	0.17		
1301 HALEY ST	48640	RA4	14-16-40-188	0.17		
1307 HALEY ST	48640	RA4	14-16-40-190	0.16		
1311 HALEY ST	48640	RA4	14-16-40-192	0.16		
916 NORTH ST	48640	RA4	14-16-40-194	0.18		
1316 STATE ST	48640	RA4	14-16-40-248	0.18		
1310 STATE ST	48640	RA4	14-16-40-250	0.17		
1306 STATE ST	48640	RA4	14-16-40-252	0.17		
1302 STATE ST	48640	RA4	14-16-40-254	0.17		
1120 STATE ST	48640	RA4	14-16-40-256	0.17		
1114 STATE ST	48640	RA4	14-16-40-258	0.17		
1110 STATE ST	48640	RA4	14-16-40-260	0.17		
803 E CARPENTER ST	48640	RA4	14-16-40-262	0.17		
805 E CARPENTER ST	48640	RA4	14-16-40-264	0.17		
809 E CARPENTER ST	48640	RA4	14-16-40-266	0.17		
815 E CARPENTER ST	48640	RA4	14-16-40-268	0.17		
OTO F CUIVI FIAIFIV 21	700 7 0	11/7-4	T4-T0-40-700	0.17		

The Dow Chemical Company, Michigan Operations						
	Property		Property ID	Property		
Property Address ¹	Zip	Zoning		Acreage		
1109 MILL ST	48640	RA4	14-16-40-270	0.17		
1115 MILL ST	48640	RA4	14-16-40-272	0.17		
1117 MILL ST	48640	RA4	14-16-40-274	0.17		
1303 MILL ST	48640	RA4	14-16-40-276	0.16		
1307 MILL ST	48640	RA4	14-16-40-278	0.16		
1309 MILL ST	48640	RA4	14-16-40-280	0.16		
1315 MILL ST	48640	RA4	14-16-40-282	0.18		
706 CRONKRIGHT ST	48640	RB	14-16-40-392	0.22		
505 E PINE ST	48640	RB	14-16-40-394	0.17		
701 GEORGE ST	48640	RB	14-16-40-396	0.17		
705 GEORGE ST	48640	RB	14-16-40-398	0.23		
713 GEORGE ST	48640	RB	14-16-40-400	0.18		
715 GEORGE ST	48640	IA	14-16-40-402	0.26		
615 GEORGE ST	48640	RB	14-16-40-404	0.18		
609 GEORGE ST	48640	RB	14-16-40-405	0.18		
611 E GROVE ST	48640	RB	14-16-40-414	0.17		
615 E GROVE ST	48640	RB	14-16-40-416	0.17		
701 E GROVE ST	48640	RB	14-16-40-418	0.17		
703 E GROVE ST	48640	RB	14-16-40-420	0.14		
709 E GROVE ST	48640	RB	14-16-40-422	0.14		
601 STATE ST	48640	RB	14-16-40-424	0.11		
605 STATE ST	48640	RB	14-16-40-426	0.11		
716 E PINE ST	48640	RB	14-16-40-428	0.17		
710 E PINE ST	48640	RB	14-16-40-430	0.17		
706 E PINE ST	48640	RB	14-16-40-432	0.17		
702 E PINE ST	48640	RB	14-16-40-434	0.17		
616 E PINE ST	48640	RB	14-16-40-436	0.14		
610 E PINE ST	48640	RB	14-16-40-438	0.25		
614 GEORGE ST	48640	RB	14-16-40-442	0.07		
610 GEORGE ST	48640	RB	14-16-40-444	0.21		
604 GEORGE ST	48640	RB	14-16-40-448	0.17		
602 GEORGE ST	48640	RB	14-16-40-450	0.17		
609 E PINE ST	48640	RB	14-16-40-452	0.13		
611 E PINE ST	48640	RB	14-16-40-454	0.15		
613 E PINE ST	48640	RB	14-16-40-456	0.17		
701 E PINE ST	48640	RB	14-16-40-458	0.17		
705 E PINE ST	48640	RB	14-16-40-460	0.17		
709 E PINE ST	48640	RB	14-16-40-462	0.14		
701 STATE ST	48640	RB	14-16-40-464	0.11		
705 STATE ST	48640	RB	14-16-40-466	0.12		
711 STATE ST	48640	RB	14-16-40-468	0.15		
715 STATE ST	48640	RB	14-16-40-470	0.18		
708 E UNION ST	48640	RB	14-16-40-472	0.18		
704 E UNION ST	48640	RB	14-16-40-474	0.18		
702 E UNION ST	48640	RB	14-16-40-476	0.18		
712 GEORGE ST	48640	IA	14-16-40-478	0.55		
708 GEORGE ST	48640	RB	14-16-40-484	0.21		
716 STATE ST	48640	RB	14-16-40-488	0.29		

The Dow Chemical Company, Michigan Operations						
	Property		Property ID	Property		
Property Address ¹	Zip	Zoning	Number	Acreage		
706 STATE ST	48640	RB	14-16-40-490	0.17		
704 STATE ST	48640	RB	14-16-40-492	0.17		
702 STATE ST	48640	RB	14-16-40-494	0.17		
616 STATE ST	48640	RB	14-16-40-496	0.17		
610 STATE ST	48640	RB	14-16-40-498	0.17		
815 E PINE ST	48640	RB	14-16-40-500	0.21		
707 MILL ST	48640	RB	14-16-40-502	0.18		
711 MILL ST	48640	RB	14-16-40-504	0.18		
715 MILL ST	48640	RB	14-16-40-506	0.21		
801 MILL ST	48640	RA4	14-16-40-576	0.25		
805 MILL ST	48640	RA4	14-16-40-578	0.17		
811 MILL ST	48640	RA4	14-16-40-580	0.17		
813 MILL ST	48640	RA4	14-16-40-582	0.17		
817 MILL ST	48640	RA4	14-16-40-584	0.17		
1001 MILL ST	48640	RA4	14-16-40-586	0.17		
1005 MILL ST	48640	RA4	14-16-40-588	0.17		
814 E CARPENTER ST	48640	RA4	14-16-40-590	0.17		
812 E CARPENTER ST	48640	RA4	14-16-40-592	0.17		
806 E CARPENTER ST	48640	RA4	14-16-40-594	0.17		
802 E CARPENTER ST	48640	RA4	14-16-40-596	0.17		
1008 STATE ST	48640	RA4	14-16-40-598	0.17		
1004 STATE ST	48640	RA4	14-16-40-600	0.16		
820 STATE ST	48640	RA4	14-16-40-602	0.16		
816 STATE ST	48640	RA4	14-16-40-604	0.16		
810 STATE ST	48640	RA4	14-16-40-606	0.16		
806 STATE ST	48640	RA4	14-16-40-608	0.16		
802 STATE ST	48640	RA4	14-16-40-610	0.25		
712 TOWNSEND ST	48640	RC	14-16-50-008	0.83		
401 E PINE ST	48640	RB	14-16-50-010	0.30		
405 E PINE ST	48640	RB	14-16-50-014	0.15		
415 E PINE ST	48640	RB	14-16-50-016	0.17		
709 CRONKRIGHT ST	48640	RC	14-16-50-018	0.10		
616 CRONKRIGHT ST	48640	RB	14-16-50-024	0.15		
612 CRONKRIGHT ST	48640	RB	14-16-50-026	0.15		
501 E GROVE ST	48640	RB	14-16-50-028	0.17		
505 E GROVE ST	48640	RB	14-16-50-030	0.17		
515 E GROVE ST	48640	RB	14-16-50-034	0.33		
410 E PINE ST	48640	RB	14-16-50-038	0.17		
406 E PINE ST	48640	RB	14-16-50-040	0.07		
616 TOWNSEND ST	48640	RB	14-16-50-042	0.12		
614 TOWNSEND ST	48640	RB	14-16-50-044	0.12		
604 TOWNSEND ST	48640	RB	14-16-50-046	0.14		
602 TOWNSEND ST	48640	RB	14-16-50-048	0.12		
409 E GROVE ST	48640	RB	14-16-50-050	0.21		
413 E GROVE ST	48640	RB	14-16-50-050	0.17		
615 CRONKRIGHT ST	48640	RB	14-16-50-052	0.17		
		OS		1		
501 GEORGE ST 505 GEORGE ST	48640 48640	OS OS	14-16-50-068 14-16-50-070	0.11		
JUJ GEORGE 31	40040	US	14-10-20-070	0.11		

	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
507 GEORGE ST	48640	RB	14-16-50-072	0.11
509 GEORGE ST	48640	RB	14-16-50-074	0.13
515 GEORGE ST	48640	RB	14-16-50-076	0.12
508 E GROVE ST	48640	RB	14-16-50-080	0.25
502 E GROVE ST	48640	RB	14-16-50-082	0.17
506 CRONKRIGHT ST	48640	OS	14-16-50-084	0.17
502 CRONKRIGHT ST	48640	OS	14-16-50-086	0.17
411 CRONKRIGHT ST	48640	OS	14-16-50-100	0.17
415 CRONKRIGHT ST	48640	OS	14-16-50-102	0.17
415 E INDIAN ST	48640	OS	14-16-50-106	0.34
416 E GROVE ST	48640	RB	14-16-50-114	0.17
414 E GROVE ST	48640	RB	14-16-50-116	0.17
406 E GROVE ST	48640	RB	14-16-50-118	0.07
512 TOWNSEND ST	48640	RB	14-16-50-120	0.26
502 TOWNSEND ST	48640	OS	14-16-50-122	0.34
414 TOWNSEND ST	48640	D	14-16-50-124	0.33
409 E BUTTLES ST	48640	D	14-16-50-130	0.17
415 E BUTTLES ST	48640	OS	14-16-50-132	0.17
403 TOWNSEND ST	48640	OS	14-16-50-156	0.08
407 TOWNSEND ST	48640	OS	14-16-50-158	0.07
409 TOWNSEND ST	48640	OS	14-16-50-160	0.16
415 TOWNSEND ST	48640	OS	14-16-50-162	0.15
309 E INDIAN ST	48640	OS	14-16-50-164	0.33
507 TOWNSEND ST	48640	OS	14-16-50-166	0.17
511 TOWNSEND ST	48640	RB	14-16-50-168	0.17
515 TOWNSEND ST	48640	RB	14-16-50-170	0.17
607 TOWNSEND ST	48640	RB	14-16-50-172	0.23
615 TOWNSEND ST	48640	CC	14-16-50-176	0.10
310 E PINE ST	48640	CC	14-16-50-178	0.12
309 E PINE ST	48640	RB	14-16-50-182	0.17
701 TOWNSEND ST	48640	RB	14-16-50-184	0.17
709 TOWNSEND ST	48640	RC	14-16-50-186	0.16
715 TOWNSEND ST	48640	RC	14-16-50-188	0.50
311 E BUTTLES ST	48640	OS	14-16-50-228	0.16
402 RODD ST	48640	OS	14-16-50-230	0.30
408 RODD ST	48640	OS	14-16-50-232	0.23
302 E INDIAN ST	48640	OS	14-16-50-234	0.17
508 RODD ST	48640	OS	14-16-50-238	0.17
510 RODD ST	48640	OS	14-16-50-240	0.17
516 RODD ST	48640	OS	14-16-50-242	0.17
309 E GROVE ST	48640	RB	14-16-50-246	0.10
315 E GROVE ST	48640	RB	14-16-50-248	0.12
602 RODD ST	48640	RB	14-16-50-250	0.17
606 RODD ST	48640	RB	14-16-50-252	0.17
610 RODD ST	48640	RB	14-16-50-254	0.17
616 RODD ST	48640	RB	14-16-50-256	0.17
702 RODD ST	48640	RB	14-16-50-258	0.17
708 RODD ST	48640	RB	14-16-50-260	0.17
700 11000 01	100-10		1 1 10 JU 200	U.1,

Property Address			· <i>''</i>	licingan Operati	
712 RODD ST		Property		Property ID	Property
712 RODD ST	Property Address ¹	Zip	Zoning	Number	Acreage
1203 E CARPENTER ST	712 RODD ST	48640	RC	14-16-50-262	0.17
601 MILL ST	711 TOWNSEND ST	48640	RC	14-16-50-264	0.00
609 MILL ST 48640 RB 14-21-10-612 0.17 615 MILL ST 48640 RB 14-21-10-614 0.17 602 STATE ST 48640 RB 14-21-10-616 0.21 807 E GROVE ST 48640 RB 14-21-10-618 0.21 2505 BAY CITY RD 48642 RB 14-23-60-004 1.61 307 SAM ST 48642 RB 14-23-60-006 0.39 311 SAM ST 48642 RB 14-23-60-006 0.39 315 SAM ST 48642 RB 14-23-60-000 0.17 321 SAM ST 48642 RB 14-23-60-010 0.17 321 SAM ST 48642 RB 14-23-60-012 1.01 401 SAM ST 48642 RB 14-23-60-012 1.01 407 SAM ST 48642 RB 14-23-60-020 1.01 407 SAM ST 48642 RB 14-23-60-024 0.51 411 SAM ST 48642 RB 14-23-60-024 0.51 413 SAM ST	1203 E CARPENTER ST	48640	RA4	14-21-10-096	0.08
615 MILL ST	601 MILL ST	48640	RB	14-21-10-608	0.29
602 STATE ST 48640 RB 14-21-10-616 0.21 807 E GROVE ST 48640 RB 14-21-10-618 0.17 2505 BAY CITY RD 48642 RB 14-23-20-004 1.15 307 SAM ST 48642 RB 14-23-60-004 0.61 309 SAM ST 48640 RB 14-23-60-006 0.39 311 SAM ST 48642 RB 14-23-60-006 0.39 315 SAM ST 48642 RB 14-23-60-010 0.17 321 SAM ST 48642 RB 14-23-60-012 1.01 327 SAM ST 48642 RB 14-23-60-012 1.01 407 SAM ST 48642 RB 14-23-60-020 1.01 407 SAM ST 48642 RB 14-23-60-024 0.51 411 SAM ST 48642 RB 14-23-60-024 0.51 411 SAM ST 48642 RB 14-23-60-020 0.51 413 SAM ST 48642 RB 14-23-60-024 0.51 413 SAM ST	609 MILL ST	48640	RB	14-21-10-612	0.17
807 E GROVE ST 48640 RB 14-21-10-618 0.17 2505 BAY CITY RD 48642 RB 14-23-20-004 1.15 307 SAM ST 48640 RB 14-23-60-006 0.39 311 SAM ST 48640 RB 14-23-60-008 0.69 315 SAM ST 48642 RB 14-23-60-010 0.17 321 SAM ST 48642 RB 14-23-60-010 0.17 321 SAM ST 48642 RB 14-23-60-010 0.17 321 SAM ST 48642 RB 14-23-60-010 1.01 327 SAM ST 48642 RB 14-23-60-012 1.01 327 SAM ST 48642 RB 14-23-60-016 1.01 401 SAM ST 48642 RB 14-23-60-024 0.51 401 SAM ST 48642 RB 14-23-60-024 0.51 411 SAM ST 48642 RB 14-23-60-024 0.51 413 SAM ST 48642 RB 14-23-60-024 0.51 413 SAM ST 48642 RB 14-23-60-028 0.51 413 SAM ST 48642 RB 14-23-60-028 0.51 413 SAM ST 48642 RB 14-23-60-032 0.44 2420 BAY CITY RD 48642 RB 14-23-60-030 0.46 2412 BAY CITY RD 48642 RB 14-23-60-040 0.90 2304 BAY CITY RD 48642 RB 14-23-60-048 0.90 2304 BAY CITY RD 48642 RB 14-23-60-048 0.90 2304 BAY CITY RD 48642 RB 14-23-60-048 0.90 2304 BAY CITY RD 48642 RB 14-23-60-050 0.25 414 WALTER CT 48642 RB 14-23-60-060 0.25 414 WALTER CT 48642 RB 14-23-60-060 0.25 414 SAUVE ST 48642 RB 14-23-60-060 0.25 414 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-404 0.28 1419 IOWA ST 48642 RB 14-23-70-404 0.28 1419 IOWA ST 48642 RB 14-15-40-294 0.17 1415 COLORADO ST 48642 RB 14-15-40-294 0.17 1415 COLORADO ST 48642 RB 14-15-40-294 0.17 1415 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-294 0.17 1501 COLORADO ST 48642 RB 14-15-40-296 0.18 1503 COLORADO ST 48642 RB 14-15-40-296 0.18 1509 COLORADO ST 48642 RB 14-15-40-290 0.17 1501 COLORADO ST 48642 RB 14-15-40-290 0.18 1503 COLORADO ST 48642 RB 14-15-40-300 0.18 1503 E PATRICK RD 48642 NC 14-15-40-320 0.30	615 MILL ST	48640	RB	14-21-10-614	0.17
2505 BAY CITY RD 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642 48642	602 STATE ST	48640	RB	14-21-10-616	0.21
307 SAM ST	807 E GROVE ST	48640	RB	14-21-10-618	0.17
309 SAM ST	2505 BAY CITY RD	48642	RB	14-23-20-004	1.15
311 SAM ST	307 SAM ST	48642	RB	14-23-60-004	0.61
315 SAM ST	309 SAM ST	48640	RB	14-23-60-006	0.39
321 SAM ST	311 SAM ST	48642	RB	14-23-60-008	0.69
327 SAM ST 48642 RB 14-23-60-016 1.01 401 SAM ST 48642 RB 14-23-60-020 1.01 407 SAM ST 48642 RB 14-23-60-024 0.51 411 SAM ST 48642 RB 14-23-60-028 0.51 413 SAM ST 48642 RB 14-23-60-032 0.44 2420 BAY CITY RD 48642 RB 14-23-60-036 0.46 2412 BAY CITY RD 48642 RB 14-23-60-040 0.90 2404 BAY CITY RD 48642 RB 14-23-60-040 0.90 2316 BAY CITY RD 48642 RB 14-23-60-048 0.90 2316 BAY CITY RD 48642 RB 14-23-60-048 0.90 2304 BAY CITY RD 48642 RB 14-23-60-052 0.90 426 WALTER CT 48642 RB 14-23-60-056 0.20 414 WALTER CT 48642 RB 14-23-60-056 0.20 414 WALTER CT 48642 RB 14-23-60-056 0.20 4249 BAY CITY RD 48642 RB 14-23-60-050 0.25 404 SAUVE ST 48642 IA 14-23-70-050 0.21 2409 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-404 0.28 1419 IOWA ST 48642 RB 14-23-70-408 0.33 2425 BAY CITY RD 48642 RB 14-23-70-409 0.31 Phase II 2013 1419 IOWA ST 48642 RB 14-15-40-130 3.77 1303 COLORADO ST 48642 RB 14-15-40-294 0.17 1415 COLORADO ST 48642 RB 14-15-40-294 0.17 1415 COLORADO ST 48642 RB 14-15-40-299 0.06 1411 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-290 0.17 1501 COLORADO ST 48642 RB 14-15-40-290 0.18 1505 COLORADO ST 48642 RB 14-15-40-300 0.18 1505 COLORADO ST 48642 RB 14-15-40-300 0.18 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	315 SAM ST	48642	RB	14-23-60-010	0.17
401 SAM ST 48642 RB 14-23-60-020 1.01 407 SAM ST 48642 RB 14-23-60-024 0.51 411 SAM ST 48642 RB 14-23-60-028 0.51 413 SAM ST 48642 RB 14-23-60-032 0.44 2420 BAY CITY RD 48642 RB 14-23-60-036 0.46 2412 BAY CITY RD 48642 RB 14-23-60-040 0.90 2404 BAY CITY RD 48642 RB 14-23-60-044 0.90 2316 BAY CITY RD 48642 RB 14-23-60-048 0.90 2316 BAY CITY RD 48642 RB 14-23-60-048 0.90 2304 BAY CITY RD 48642 RB 14-23-60-055 0.90 426 WALTER CT 48642 RB 14-23-60-056 0.20 414 WALTER CT 48642 RB 14-23-60-056 0.20 404 SAUVE ST 48642 IA 14-23-60-050 0.21 2409 BAY CITY RD 48642 RB 14-23-70-050 0.21 <t< td=""><td>321 SAM ST</td><td>48642</td><td>RB</td><td>14-23-60-012</td><td>1.01</td></t<>	321 SAM ST	48642	RB	14-23-60-012	1.01
407 SAM ST 48642 RB 14-23-60-024 0.51 411 SAM ST 48642 RB 14-23-60-028 0.51 413 SAM ST 48642 RB 14-23-60-032 0.44 2420 BAY CITY RD 48642 RB 14-23-60-036 0.46 2412 BAY CITY RD 48642 RB 14-23-60-040 0.90 2404 BAY CITY RD 48642 RB 14-23-60-044 0.90 2316 BAY CITY RD 48642 RB 14-23-60-048 0.90 23204 BAY CITY RD 48642 RB 14-23-60-048 0.90 23204 BAY CITY RD 48642 RB 14-23-60-052 0.90 426 WALTER CT 48642 RB 14-23-60-056 0.20 414 WALTER CT 48642 RB 14-23-60-050 0.25 404 SAUVE ST 2021 BAY CITY RD 48642 IA 14-23-60-288 0.70 2021 BAY CITY RD 48642 IA 14-23-70-050 0.21 2409 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-404 0.33 2425 BAY CITY RD 48642 RB 14-23-70-408 0.33 2425 BAY CITY RD 48642 RB 14-15-40-241 0.31 Phase II 2013 1419 IOWA ST 48642 RB 48642 RB 14-15-40-289 0.06 1411 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-290 0.18 1501 COLORADO ST 48642 RB 14-15-40-290 0.18 1501 COLORADO ST 48642 RB 14-15-40-290 0.18 1505 COLORADO ST 48642 RB 14-15-40-300 0.18 1501 COLORADO ST 48642 RB 14-15-40-302 0.30 1501 E PATRICK RD 48642 NC 14-15-40-326 0.21	327 SAM ST	48642	RB	14-23-60-016	1.01
411 SAM ST 48642 RB 14-23-60-028 0.51 413 SAM ST 48642 RB 14-23-60-032 0.44 2420 BAY CITY RD 48642 RB 14-23-60-036 0.46 2412 BAY CITY RD 48642 RB 14-23-60-040 0.90 2404 BAY CITY RD 48642 RB 14-23-60-044 0.90 2316 BAY CITY RD 48642 RB 14-23-60-044 0.90 2304 BAY CITY RD 48642 RB 14-23-60-044 0.90 2304 BAY CITY RD 48642 RB 14-23-60-048 0.90 2304 BAY CITY RD 48642 RB 14-23-60-052 0.90 426 WALTER CT 48642 RB 14-23-60-056 0.20 414 WALTER CT 48642 RB 14-23-60-060 0.25 404 SAUVE ST 48642 RB 14-23-70-050 0.21 2409 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-408 0.33 2425 BAY CITY RD 48642 RB 14-23-70-408 0.33 </td <td>401 SAM ST</td> <td>48642</td> <td>RB</td> <td>14-23-60-020</td> <td>1.01</td>	401 SAM ST	48642	RB	14-23-60-020	1.01
413 SAM ST 48642 RB 14-23-60-032 0.44 2420 BAY CITY RD 48642 RB 14-23-60-036 0.46 2412 BAY CITY RD 48642 RB 14-23-60-040 0.90 2404 BAY CITY RD 48642 RB 14-23-60-044 0.90 2316 BAY CITY RD 48642 RB 14-23-60-048 0.90 2304 BAY CITY RD 48642 RB 14-23-60-048 0.90 2304 BAY CITY RD 48642 RB 14-23-60-052 0.90 426 WALTER CT 48642 RB 14-23-60-056 0.20 414 WALTER CT 48642 RB 14-23-60-060 0.25 404 SAUVE ST 48642 IA 14-23-60-288 0.70 2021 BAY CITY RD 48642 RB 14-23-70-050 0.21 2409 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-402 0.31 Phase II 2013 1419 IOWA ST 48642 RB 14-15-40-274 1.17 1405 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-290 0.17 1419 COLORADO ST 48642 RB 14-15-40-290 0.17 1419 COLORADO ST 48642 RB 14-15-40-290 0.17 1450 COLORADO ST 48642 RB 14-15-40-290 0.17 1450 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-290 0.18 1505 COLORADO ST 48642 RB 14-15-40-300 0.18 1501 E PATRICK RD 48642 NC 14-15-40-320 0.30 1503 E PATRICK RD 48642 NC 14-15-40-326 0.21	407 SAM ST	48642	RB	14-23-60-024	0.51
2420 BAY CITY RD 48642 RB 14-23-60-036 0.46 2412 BAY CITY RD 48642 RB 14-23-60-040 0.90 2404 BAY CITY RD 48642 RB 14-23-60-044 0.90 2316 BAY CITY RD 48642 RB 14-23-60-048 0.90 2304 BAY CITY RD 48642 RB 14-23-60-052 0.90 426 WALTER CT 48642 RB 14-23-60-056 0.20 414 WALTER CT 48642 RB 14-23-60-060 0.25 404 SAUVE ST 48642 IA 14-23-60-288 0.70 2021 BAY CITY RD 48642 IA 14-23-70-050 0.21 2409 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-408 0.33 2425 BAY CITY RD 48642 RB 14-23-70-412 0.31 Phase II 2013 1419 IOWA ST 48642 RB 14-15-40-130 3.77 1303 COLORADO ST 48642 RB 14-15-40-284 0.18 1407 COLORADO ST 48642	411 SAM ST	48642	RB	14-23-60-028	0.51
2412 BAY CITY RD 48642 RB 14-23-60-040 0.90 2404 BAY CITY RD 48642 RB 14-23-60-044 0.90 2316 BAY CITY RD 48642 RB 14-23-60-048 0.90 2304 BAY CITY RD 48642 RB 14-23-60-052 0.90 426 WALTER CT 48642 RB 14-23-60-056 0.20 414 WALTER CT 48642 RB 14-23-60-060 0.25 404 SAUVE ST 48642 IA 14-23-60-288 0.70 2021 BAY CITY RD 48642 IA 14-23-70-050 0.21 2409 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-408 0.33 2425 BAY CITY RD 48642 RB 14-23-70-412 0.31 Phase II 2013 1419 IOWA ST 48642 RB 14-15-40-130 3.77 1303 COLORADO ST 48642 RB 14-15-40-224 1.17 1405 COLORADO ST 48642 RB 14-15-40-289 0.06 1411 COLORADO ST 48642	413 SAM ST	48642	RB	14-23-60-032	0.44
2404 BAY CITY RD 48642 RB 14-23-60-044 0.90 2316 BAY CITY RD 48642 RB 14-23-60-048 0.90 2304 BAY CITY RD 48642 RB 14-23-60-052 0.90 426 WALTER CT 48642 RB 14-23-60-056 0.20 414 WALTER CT 48642 RB 14-23-60-060 0.25 404 SAUVE ST 48642 IA 14-23-60-288 0.70 2021 BAY CITY RD 48642 IA 14-23-70-050 0.21 2409 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-408 0.33 2425 BAY CITY RD 48642 RB 14-23-70-408 0.33 1419 IOWA ST 48642 RB 14-23-70-412 0.31 Phase II 2013 1419 IOWA ST 48642 RB 14-15-40-130 3.77 1303 COLORADO ST 48642 RB 14-15-40-244 0.18 1407 COLORADO ST 48642 RB 14-15-40-289 0.06 1411 COLORADO ST 48642 <td>2420 BAY CITY RD</td> <td>48642</td> <td>RB</td> <td>14-23-60-036</td> <td>0.46</td>	2420 BAY CITY RD	48642	RB	14-23-60-036	0.46
2316 BAY CITY RD 48642 RB 14-23-60-048 0.90 2304 BAY CITY RD 48642 RB 14-23-60-052 0.90 426 WALTER CT 48642 RB 14-23-60-056 0.20 414 WALTER CT 48642 RB 14-23-60-060 0.25 404 SAUVE ST 48642 IA 14-23-60-288 0.70 2021 BAY CITY RD 48642 IA 14-23-70-050 0.21 2409 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-408 0.33 2425 BAY CITY RD 48642 RB 14-23-70-412 0.31 Phase II 2013 1419 IOWA ST 48642 RB 14-15-40-130 3.77 1303 COLORADO CT 48642 RB 14-15-40-274 1.17 1405 COLORADO ST 48640 RB 14-15-40-284 0.18 1407 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-290 0.17 1419 COLORADO ST	2412 BAY CITY RD	48642	RB	14-23-60-040	0.90
2304 BAY CITY RD 48642 RB 14-23-60-052 0.90 426 WALTER CT 48642 RB 14-23-60-056 0.20 414 WALTER CT 48642 RB 14-23-60-060 0.25 404 SAUVE ST 48642 IA 14-23-60-288 0.70 2021 BAY CITY RD 48642 IA 14-23-70-050 0.21 2409 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-408 0.33 2425 BAY CITY RD 48642 RB 14-23-70-412 0.31 Phase II 2013 1419 IOWA ST 48642 RB 14-15-40-130 3.77 1303 COLORADO CT 48642 RB 14-15-40-234 0.18 1407 COLORADO ST 48642 RB 14-15-40-284 0.18 1410 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-292 0.17 1419 COLORADO ST 48642 RB 14-15-40-298 0.18 1505 COLORADO ST 48642	2404 BAY CITY RD	48642	RB	14-23-60-044	0.90
426 WALTER CT 48642 RB 14-23-60-056 0.20 414 WALTER CT 48642 RB 14-23-60-060 0.25 404 SAUVE ST 48642 IA 14-23-60-288 0.70 2021 BAY CITY RD 48642 IA 14-23-70-050 0.21 2409 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-408 0.33 2425 BAY CITY RD 48642 RB 14-23-70-412 0.31 Phase II 2013 1419 IOWA ST 48642 RA3 14-15-40-130 3.77 1303 COLORADO CT 48642 RB 14-15-40-274 1.17 1405 COLORADO ST 48640 RB 14-15-40-284 0.18 1407 COLORADO ST 48642 RB 14-15-40-289 0.06 1411 COLORADO ST 48642 RB 14-15-40-290 0.17 1419 COLORADO ST 48642 RB 14-15-40-292 0.17 1419 COLORADO ST 48642 RB 14-15-40-296 0.18 1505 COLORADO ST	2316 BAY CITY RD	48642	RB	14-23-60-048	0.90
414 WALTER CT 48642 RB 14-23-60-060 0.25 404 SAUVE ST 48642 IA 14-23-60-288 0.70 2021 BAY CITY RD 48642 IA 14-23-70-050 0.21 2409 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-408 0.33 2425 BAY CITY RD 48642 RB 14-23-70-412 0.31 Phase II 2013 1419 IOWA ST 48642 RA3 14-15-40-130 3.77 1303 COLORADO CT 48642 RB 14-15-40-274 1.17 1405 COLORADO ST 48640 RB 14-15-40-284 0.18 1407 COLORADO ST 48642 RB 14-15-40-289 0.06 1411 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-292 0.17 1419 COLORADO ST 48642 RB 14-15-40-296 0.18 1501 COLORADO ST 48642 RB 14-15-40-296 0.18 1509 COLORADO ST 4	2304 BAY CITY RD	48642	RB	14-23-60-052	0.90
404 SAUVE ST 48642 IA 14-23-60-288 0.70 2021 BAY CITY RD 48642 IA 14-23-70-050 0.21 2409 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-408 0.33 2425 BAY CITY RD 48642 RB 14-23-70-412 0.31 Phase II 2013 1419 IOWA ST 48642 RA3 14-15-40-130 3.77 1303 COLORADO CT 48642 RB 14-15-40-274 1.17 1405 COLORADO ST 48640 RB 14-15-40-284 0.18 1407 COLORADO ST 48642 RB 14-15-40-289 0.06 1411 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-290 0.17 1501 COLORADO ST 48642 RB 14-15-40-294 0.17 1501 COLORADO ST 48642 RB 14-15-40-296 0.18 1509 COLORADO ST 48642 RB 14-15-40-300 0.18 1501 E PATRICK RD<	426 WALTER CT	48642	RB	14-23-60-056	0.20
2021 BAY CITY RD 48642 IA 14-23-70-050 0.21 2409 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-408 0.33 2425 BAY CITY RD 48642 RB 14-23-70-412 0.31 Phase II 2013 1419 IOWA ST 48642 RA3 14-15-40-130 3.77 1303 COLORADO CT 48642 RB 14-15-40-274 1.17 1405 COLORADO ST 48640 RB 14-15-40-284 0.18 1407 COLORADO ST 48642 RB 14-15-40-289 0.06 1411 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-292 0.17 1419 COLORADO ST 48642 RB 14-15-40-294 0.17 1501 COLORADO ST 48642 RB 14-15-40-296 0.18 1505 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST	414 WALTER CT	48642	RB	14-23-60-060	0.25
2409 BAY CITY RD 48642 RB 14-23-70-404 0.28 2417 BAY CITY RD 48642 RB 14-23-70-408 0.33 2425 BAY CITY RD 48642 RB 14-23-70-412 0.31 Phase II 2013 1419 IOWA ST 48642 RA3 14-15-40-130 3.77 1303 COLORADO CT 48642 RB 14-15-40-274 1.17 1405 COLORADO ST 48640 RB 14-15-40-284 0.18 1407 COLORADO ST 48642 RB 14-15-40-289 0.06 1411 COLORADO ST 48642 RB 14-15-40-290 0.17 1419 COLORADO ST 48642 RB 14-15-40-292 0.17 1419 COLORADO ST 48642 RB 14-15-40-294 0.17 1501 COLORADO ST 48642 RB 14-15-40-296 0.18 1509 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-302 0.20 1501 E PATRICK RD	404 SAUVE ST	48642	IA	14-23-60-288	0.70
2417 BAY CITY RD 48642 RB 14-23-70-408 0.33 2425 BAY CITY RD 48642 RB 14-23-70-412 0.31 Phase II 2013 1419 IOWA ST 48642 RA3 14-15-40-130 3.77 1303 COLORADO CT 48642 RB 14-15-40-274 1.17 1405 COLORADO ST 48640 RB 14-15-40-284 0.18 1407 COLORADO ST 48642 RB 14-15-40-289 0.06 1411 COLORADO ST 48642 RB 14-15-40-290 0.17 1419 COLORADO ST 48642 RB 14-15-40-292 0.17 1419 COLORADO ST 48642 RB 14-15-40-294 0.17 1501 COLORADO ST 48642 RB 14-15-40-296 0.18 1509 COLORADO ST 48642 RB 14-15-40-298 0.18 1513 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-300 0.20 1501 E PATRICK RD 48642 NC 14-15-40-324 0.21 1507 E PATRICK RD	2021 BAY CITY RD	48642	IA	14-23-70-050	0.21
2425 BAY CITY RD 48642 RB 14-23-70-412 0.31 Phase II 2013 1419 IOWA ST 48642 RA3 14-15-40-130 3.77 1303 COLORADO CT 48642 RB 14-15-40-274 1.17 1405 COLORADO ST 48640 RB 14-15-40-284 0.18 1407 COLORADO ST 48642 RB 14-15-40-289 0.06 1411 COLORADO ST 48642 RB 14-15-40-290 0.17 1419 COLORADO ST 48642 RB 14-15-40-292 0.17 1501 COLORADO ST 48642 RB 14-15-40-294 0.17 1505 COLORADO ST 48642 RB 14-15-40-296 0.18 1509 COLORADO ST 48642 RB 14-15-40-298 0.18 1513 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-302 0.20 1501 E PATRICK RD 48642 NC 14-15-40-324 0.21 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	2409 BAY CITY RD	48642	RB	14-23-70-404	0.28
Phase II 2013 1419 IOWA ST 48642 RA3 14-15-40-130 3.77 1303 COLORADO CT 48642 RB 14-15-40-274 1.17 1405 COLORADO ST 48640 RB 14-15-40-284 0.18 1407 COLORADO ST 48642 RB 14-15-40-289 0.06 1411 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-292 0.17 1419 COLORADO ST 48642 RA4 14-15-40-294 0.17 1501 COLORADO ST 48642 RB 14-15-40-296 0.18 1505 COLORADO ST 48642 RB 14-15-40-298 0.18 1509 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-302 0.20 1501 E PATRICK RD 48642 NC 14-15-40-320 0.30 1503 E PATRICK RD 48642 NC 14-15-40-326 0.21 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	2417 BAY CITY RD	48642	RB	14-23-70-408	0.33
1419 IOWA ST 48642 RA3 14-15-40-130 3.77 1303 COLORADO CT 48642 RB 14-15-40-274 1.17 1405 COLORADO ST 48640 RB 14-15-40-284 0.18 1407 COLORADO ST 48642 RB 14-15-40-289 0.06 1411 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-292 0.17 1419 COLORADO ST 48642 RA4 14-15-40-294 0.17 1501 COLORADO ST 48642 RB 14-15-40-296 0.18 1505 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-302 0.20 1501 E PATRICK RD 48642 NC 14-15-40-320 0.30 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	2425 BAY CITY RD	48642	RB	14-23-70-412	0.31
1303 COLORADO CT 48642 RB 14-15-40-274 1.17 1405 COLORADO ST 48640 RB 14-15-40-284 0.18 1407 COLORADO ST 48642 RB 14-15-40-289 0.06 1411 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-292 0.17 1419 COLORADO ST 48642 RB 14-15-40-294 0.17 1501 COLORADO ST 48642 RB 14-15-40-296 0.18 1509 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-300 0.20 1501 E PATRICK RD 48642 NC 14-15-40-320 0.30 1503 E PATRICK RD 48642 NC 14-15-40-324 0.21 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	Phase II 2013	-	<u> </u>		
1405 COLORADO ST 48640 RB 14-15-40-284 0.18 1407 COLORADO ST 48642 RB 14-15-40-289 0.06 1411 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-292 0.17 1419 COLORADO ST 48642 RA4 14-15-40-294 0.17 1501 COLORADO ST 48642 RB 14-15-40-296 0.18 1509 COLORADO ST 48642 RB 14-15-40-298 0.18 1513 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-302 0.20 1501 E PATRICK RD 48642 NC 14-15-40-324 0.21 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	1419 IOWA ST	48642	RA3	14-15-40-130	3.77
1407 COLORADO ST 48642 RB 14-15-40-289 0.06 1411 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-292 0.17 1419 COLORADO ST 48642 RA4 14-15-40-294 0.17 1501 COLORADO ST 48642 RB 14-15-40-296 0.18 1509 COLORADO ST 48642 RB 14-15-40-298 0.18 1513 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-302 0.20 1501 E PATRICK RD 48642 NC 14-15-40-320 0.30 1503 E PATRICK RD 48642 NC 14-15-40-324 0.21 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	1303 COLORADO CT	48642	RB	14-15-40-274	1.17
1411 COLORADO ST 48642 RB 14-15-40-290 0.17 1415 COLORADO ST 48642 RB 14-15-40-292 0.17 1419 COLORADO ST 48642 RA4 14-15-40-294 0.17 1501 COLORADO ST 48642 RB 14-15-40-296 0.18 1505 COLORADO ST 48642 RB 14-15-40-298 0.18 1509 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-302 0.20 1501 E PATRICK RD 48642 NC 14-15-40-320 0.30 1503 E PATRICK RD 48642 NC 14-15-40-324 0.21 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	1405 COLORADO ST	48640	RB	14-15-40-284	0.18
1415 COLORADO ST 48642 RB 14-15-40-292 0.17 1419 COLORADO ST 48642 RA4 14-15-40-294 0.17 1501 COLORADO ST 48642 RB 14-15-40-296 0.18 1505 COLORADO ST 48642 RB 14-15-40-298 0.18 1509 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-302 0.20 1501 E PATRICK RD 48642 NC 14-15-40-320 0.30 1503 E PATRICK RD 48642 NC 14-15-40-324 0.21 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	1407 COLORADO ST	48642	RB	14-15-40-289	0.06
1419 COLORADO ST 48642 RA4 14-15-40-294 0.17 1501 COLORADO ST 48642 RB 14-15-40-296 0.18 1505 COLORADO ST 48642 RB 14-15-40-298 0.18 1509 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-302 0.20 1501 E PATRICK RD 48642 NC 14-15-40-320 0.30 1503 E PATRICK RD 48642 NC 14-15-40-324 0.21 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	1411 COLORADO ST	48642	RB	14-15-40-290	0.17
1501 COLORADO ST 48642 RB 14-15-40-296 0.18 1505 COLORADO ST 48642 RB 14-15-40-298 0.18 1509 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-302 0.20 1501 E PATRICK RD 48642 NC 14-15-40-320 0.30 1503 E PATRICK RD 48642 NC 14-15-40-324 0.21 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	1415 COLORADO ST	48642	RB	14-15-40-292	0.17
1505 COLORADO ST 48642 RB 14-15-40-298 0.18 1509 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-302 0.20 1501 E PATRICK RD 48642 NC 14-15-40-320 0.30 1503 E PATRICK RD 48642 NC 14-15-40-324 0.21 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	1419 COLORADO ST	48642	RA4	14-15-40-294	0.17
1509 COLORADO ST 48642 RB 14-15-40-300 0.18 1513 COLORADO ST 48642 RB 14-15-40-302 0.20 1501 E PATRICK RD 48642 NC 14-15-40-320 0.30 1503 E PATRICK RD 48642 NC 14-15-40-324 0.21 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	1501 COLORADO ST	48642	RB	14-15-40-296	0.18
1513 COLORADO ST 48642 RB 14-15-40-302 0.20 1501 E PATRICK RD 48642 NC 14-15-40-320 0.30 1503 E PATRICK RD 48642 NC 14-15-40-324 0.21 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	1505 COLORADO ST	48642	RB	14-15-40-298	0.18
1501 E PATRICK RD 48642 NC 14-15-40-320 0.30 1503 E PATRICK RD 48642 NC 14-15-40-324 0.21 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	1509 COLORADO ST	48642	RB	14-15-40-300	0.18
1503 E PATRICK RD 48642 NC 14-15-40-324 0.21 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	1513 COLORADO ST	48642	RB	14-15-40-302	0.20
1503 E PATRICK RD 48642 NC 14-15-40-324 0.21 1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	1501 E PATRICK RD	48642	NC	14-15-40-320	0.30
1507 E PATRICK RD 48642 NC 14-15-40-326 0.21	1503 E PATRICK RD	48642	NC	14-15-40-324	
	1507 E PATRICK RD	48642	NC	14-15-40-326	
1515 E PATRICK RD 48642 NC 14-15-40-330 0.18					

Property Address¹ Zip Zoning Number Acreage 1517 E PATRICK RD 48642 NC 14-15-40-332 0.18 1607 E PATRICK RD 48642 NC 14-15-40-334 0.55 1613 E PATRICK RD 48642 NC 14-15-40-340 0.34 1514 COLORADO ST 48642 RB 14-15-40-356 0.18 1506 COLORADO ST 48642 RB 14-15-40-358 0.18 1504 COLORADO ST 48642 RB 14-15-40-360 0.18 1504 COLORADO ST 48642 RB 14-15-40-360 0.18 1420 COLORADO ST 48642 RB 14-15-40-362 0.18 1306 WALSH ST 48642 RB 14-15-40-366 0.28 418 E HALEY ST 48640 RB 14-15-50-370 0.13 414 E HALEY ST 48640 RB 14-15-50-372 0.14 410 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-380			. ,		
1517 E PATRICK RD 48642 NC 14-15-40-332 0.18 1607 E PATRICK RD 48642 NC 14-15-40-334 0.55 1613 E PATRICK RD 48642 NC 14-15-40-340 0.34 1514 COLORADO ST 48642 RB 14-15-40-356 0.18 1510 COLORADO ST 48642 RB 14-15-40-360 0.18 1506 COLORADO ST 48642 RB 14-15-40-360 0.18 1420 COLORADO ST 48642 RB 14-15-40-362 0.18 1306 WALSH ST 48642 RB 14-15-40-366 0.28 418 E HALEY ST 48640 RB 14-15-50-370 0.13 414 E HALEY ST 48640 RB 14-15-50-372 0.14 410 E HALEY ST 48640 RB 14-15-50-376 0.37 402 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-380 0.16 312 E HALEY ST 48640 RB 14-15-50-390 0.16		Property		Property ID	Property
1607 E PATRICK RD 48642 NC 14-15-40-334 0.55 1613 E PATRICK RD 48642 NC 14-15-40-340 0.34 1514 COLORADO ST 48642 RB 14-15-40-356 0.18 1510 COLORADO ST 48642 RB 14-15-40-358 0.18 1504 COLORADO ST 48642 RB 14-15-40-360 0.18 1504 COLORADO ST 48642 RB 14-15-40-362 0.18 1420 COLORADO ST 48642 RB 14-15-40-362 0.18 1306 WALSH ST 48642 RB 14-15-40-366 0.28 418 E HALEY ST 48640 RB 14-15-50-370 0.13 414 E HALEY ST 48640 RB 14-15-50-372 0.14 410 E HALEY ST 48640 RB 14-15-50-376 0.37 402 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-392 0.18 312 E HALEY ST 48640 RB 14-15-50-390 0.16<	Property Address ¹	Zip	Zoning	Number	Acreage
1613 E PATRICK RD 48642 NC 14-15-40-340 0.34 1514 COLORADO ST 48642 RB 14-15-40-356 0.18 1510 COLORADO ST 48642 RB 14-15-40-358 0.18 1506 COLORADO ST 48642 RB 14-15-40-360 0.18 1504 COLORADO ST 48642 RB 14-15-40-362 0.18 1420 COLORADO ST 48642 RB 14-15-40-364 0.18 1306 WALSH ST 48642 RB 14-15-40-366 0.28 418 E HALEY ST 48640 RB 14-15-50-370 0.13 414 E HALEY ST 48640 RB 14-15-50-372 0.14 410 E HALEY ST 48640 RB 14-15-50-376 0.37 402 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-382 0.18 320 E HALEY ST 48640 RB 14-15-50-390 0.16 312 E HALEY ST 48640 RB 14-15-50-390 0.16 <td>1517 E PATRICK RD</td> <td>48642</td> <td>NC</td> <td>14-15-40-332</td> <td>0.18</td>	1517 E PATRICK RD	48642	NC	14-15-40-332	0.18
1514 COLORADO ST 48642 RB 14-15-40-356 0.18 1510 COLORADO ST 48642 RB 14-15-40-358 0.18 1506 COLORADO ST 48642 RB 14-15-40-360 0.18 1504 COLORADO ST 48642 RB 14-15-40-362 0.18 1420 COLORADO ST 48642 RB 14-15-40-362 0.18 1306 WALSH ST 48642 RB 14-15-40-364 0.18 1306 WALSH ST 48640 RB 14-15-50-370 0.13 414 E HALEY ST 48640 RB 14-15-50-372 0.14 410 E HALEY ST 48640 RB 14-15-50-374 0.17 406 E HALEY ST 48640 RB 14-15-50-376 0.37 402 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-382 0.18 320 E HALEY ST 48640 RB 14-15-50-380 0.16 312 E HALEY ST 48640 RB 14-15-50-390 0.16 312 E HALEY ST 48640 RB 14-15-50-390 0.16 312 E HALEY ST 48640 RB 14-15-50-390 0.16 308 E HALEY ST 48640 RB 14-15-50-390 0.16 308 E HALEY ST 48640 RB 14-15-50-390 0.16 309 E HALEY ST 48640 RB 14-15-50-390 0.16 300 E HALEY ST 48640 RB 14-15-50-390 0.16 301 E HALEY ST 48640 RB 14-15-50-390 0.16 302 E HALEY ST 48640 RB 14-15-50-390 0.16 303 E HALEY ST 48640 RB 14-15-50-390 0.18 304 E HALEY ST 48640 RB 14-15-50-390 0.18 305 E HALEY ST 48640 RB 14-15-50-390 0.18 306 E HALEY ST 48640 RB 14-15-50-390 0.18 307 E HALEY ST 48640 RB 14-15-50-390 0.18 308 E HALEY ST 48640 RB 14-15-50-390 0.18 309 E HALEY ST 48640 RB 14-15-50-390 0.18 300 E HALEY ST 48640 RB 14-15-50-390 0.18 300 E HALEY ST 48640 RB 14-15-50-390 0.18 300 E HALEY ST 48640 RB 14-15-50-390 0.18	1607 E PATRICK RD	48642	NC	14-15-40-334	0.55
1510 COLORADO ST 48642 RB 14-15-40-358 0.18 1506 COLORADO ST 48642 RB 14-15-40-360 0.18 1504 COLORADO ST 48642 RB 14-15-40-362 0.18 1420 COLORADO ST 48642 RB 14-15-40-364 0.18 1306 WALSH ST 48642 RB 14-15-40-366 0.28 418 E HALEY ST 48640 RB 14-15-50-370 0.13 414 E HALEY ST 48640 RB 14-15-50-372 0.14 410 E HALEY ST 48640 RB 14-15-50-374 0.17 406 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-382 0.18 320 E HALEY ST 48640 RB 14-15-50-390 0.16 312 E HALEY ST 48640 RB 14-15-50-392 0.16 308 E HALEY ST 48640 RB 14-15-50-396 0.18 220 E HALEY ST 48640 RB 14-15-50-399 0.18 <td>1613 E PATRICK RD</td> <td>48642</td> <td>NC</td> <td>14-15-40-340</td> <td>0.34</td>	1613 E PATRICK RD	48642	NC	14-15-40-340	0.34
1506 COLORADO ST 48642 RB 14-15-40-360 0.18 1504 COLORADO ST 48642 RB 14-15-40-362 0.18 1420 COLORADO ST 48642 RB 14-15-40-364 0.18 1306 WALSH ST 48642 RB 14-15-40-366 0.28 418 E HALEY ST 48640 RB 14-15-50-370 0.13 414 E HALEY ST 48640 RB 14-15-50-372 0.14 410 E HALEY ST 48640 RB 14-15-50-374 0.17 406 E HALEY ST 48640 RB 14-15-50-376 0.37 402 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-382 0.18 320 E HALEY ST 48640 RB 14-15-50-390 0.16 312 E HALEY ST 48640 RB 14-15-50-392 0.16 304 E HALEY ST 48640 RB 14-15-50-396 0.18 220 E HALEY ST 48640 RB 14-15-50-399 0.18 214 E HALEY ST 48640 RB 14-15-50-399 0.18	1514 COLORADO ST	48642	RB	14-15-40-356	0.18
1504 COLORADO ST 48642 RB 14-15-40-362 0.18 1420 COLORADO ST 48642 RB 14-15-40-364 0.18 1306 WALSH ST 48642 RB 14-15-40-366 0.28 418 E HALEY ST 48640 RB 14-15-50-370 0.13 414 E HALEY ST 48640 RB 14-15-50-372 0.14 410 E HALEY ST 48640 RB 14-15-50-374 0.17 406 E HALEY ST 48640 RB 14-15-50-376 0.37 402 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-382 0.18 320 E HALEY ST 48640 RB 14-15-50-392 0.16 312 E HALEY ST 48640 RB 14-15-50-390 0.16 308 E HALEY ST 48640 RB 14-15-50-396 0.18 304 E HALEY ST 48640 RB 14-15-50-396 0.18 220 E HALEY ST 48640 RB 14-15-50-399 0.18 214 E HALEY ST 48640 RB 14-15-50-399 0.18	1510 COLORADO ST	48642	RB	14-15-40-358	0.18
1420 COLORADO ST 48642 RB 14-15-40-364 0.18 1306 WALSH ST 48642 RB 14-15-40-366 0.28 418 E HALEY ST 48640 RB 14-15-50-370 0.13 414 E HALEY ST 48640 RB 14-15-50-372 0.14 410 E HALEY ST 48640 RB 14-15-50-374 0.17 406 E HALEY ST 48640 RB 14-15-50-376 0.37 402 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-382 0.18 320 E HALEY ST 48640 RB 14-15-50-382 0.15 316 E HALEY ST 48640 RB 14-15-50-390 0.16 312 E HALEY ST 48640 RB 14-15-50-392 0.16 308 E HALEY ST 48640 RB 14-15-50-396 0.18 304 E HALEY ST 48640 RB 14-15-50-399 0.18 220 E HALEY ST 48640 RB 14-15-50-399 0.18 210 E HALEY ST 48640 RB 14-15-50-400 0.16	1506 COLORADO ST	48642	RB	14-15-40-360	0.18
1306 WALSH ST 48642 RB 14-15-40-366 0.28 418 E HALEY ST 48640 RB 14-15-50-370 0.13 414 E HALEY ST 48640 RB 14-15-50-372 0.14 410 E HALEY ST 48640 RB 14-15-50-374 0.17 406 E HALEY ST 48640 RB 14-15-50-376 0.37 402 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-382 0.18 320 E HALEY ST 48640 RB 14-15-50-398 0.15 316 E HALEY ST 48640 RB 14-15-50-390 0.16 322 E HALEY ST 48640 RB 14-15-50-392 0.16 308 E HALEY ST 48640 RB 14-15-50-394 0.18 304 E HALEY ST 48640 RB 14-15-50-396 0.18 220 E HALEY ST 48640 RB 14-15-50-399 0.18 214 E HALEY ST 48640 RB 14-15-50-399 0.18 210 E HALEY ST 48640 RB 14-15-50-400 0.16 <	1504 COLORADO ST	48642	RB	14-15-40-362	0.18
418 E HALEY ST 48640 RB 14-15-50-370 0.13 414 E HALEY ST 48640 RB 14-15-50-372 0.14 410 E HALEY ST 48640 RB 14-15-50-374 0.17 406 E HALEY ST 48640 RB 14-15-50-376 0.37 402 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-382 0.18 320 E HALEY ST 48640 RB 14-15-50-388 0.15 316 E HALEY ST 48640 RB 14-15-50-390 0.16 312 E HALEY ST 48640 RB 14-15-50-392 0.16 308 E HALEY ST 48640 RB 14-15-50-394 0.18 304 E HALEY ST 48640 RB 14-15-50-396 0.18 220 E HALEY ST 48640 RB 14-15-50-399 0.18 214 E HALEY ST 48640 RB 14-15-50-399 0.18 210 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-400 0.16	1420 COLORADO ST	48642	RB	14-15-40-364	0.18
414 E HALEY ST 48640 RB 14-15-50-372 0.14 410 E HALEY ST 48640 RB 14-15-50-374 0.17 406 E HALEY ST 48640 RB 14-15-50-376 0.37 402 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-382 0.18 320 E HALEY ST 48640 RB 14-15-50-390 0.16 312 E HALEY ST 48640 RB 14-15-50-390 0.16 308 E HALEY ST 48640 RB 14-15-50-392 0.16 304 E HALEY ST 48640 RB 14-15-50-394 0.18 220 E HALEY ST 48640 RB 14-15-50-396 0.18 221 E HALEY ST 48640 RB 14-15-50-399 0.18 214 E HALEY ST 48640 RB 14-15-50-399 0.18 210 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-400 0.16	1306 WALSH ST	48642	RB	14-15-40-366	0.28
410 E HALEY ST 48640 RB 14-15-50-374 0.17 406 E HALEY ST 48640 RB 14-15-50-376 0.37 402 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-382 0.18 320 E HALEY ST 48640 RB 14-15-50-388 0.15 316 E HALEY ST 48640 RB 14-15-50-390 0.16 312 E HALEY ST 48640 RB 14-15-50-392 0.16 308 E HALEY ST 48640 RB 14-15-50-394 0.18 304 E HALEY ST 48640 RB 14-15-50-396 0.18 220 E HALEY ST 48640 RB 14-15-50-399 0.18 214 E HALEY ST 48640 RB 14-15-50-399 0.18 210 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-402 0.16	418 E HALEY ST	48640	RB	14-15-50-370	0.13
406 E HALEY ST 48640 RB 14-15-50-376 0.37 402 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-382 0.18 320 E HALEY ST 48640 RB 14-15-50-388 0.15 316 E HALEY ST 48640 RB 14-15-50-390 0.16 312 E HALEY ST 48640 RB 14-15-50-392 0.16 308 E HALEY ST 48640 RB 14-15-50-394 0.18 304 E HALEY ST 48640 RB 14-15-50-396 0.18 220 E HALEY ST 48640 RB 14-15-50-399 0.18 214 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-402 0.16	414 E HALEY ST	48640	RB	14-15-50-372	0.14
402 E HALEY ST 48640 RB 14-15-50-380 0.16 322 E HALEY ST 48640 RB 14-15-50-382 0.18 320 E HALEY ST 48640 RB 14-15-50-388 0.15 316 E HALEY ST 48640 RB 14-15-50-390 0.16 312 E HALEY ST 48640 RB 14-15-50-392 0.16 308 E HALEY ST 48640 RB 14-15-50-394 0.18 304 E HALEY ST 48640 RB 14-15-50-396 0.18 220 E HALEY ST 48640 RB 14-15-50-399 0.18 214 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-400 0.16	410 E HALEY ST	48640	RB	14-15-50-374	0.17
322 E HALEY ST 48640 RB 14-15-50-382 0.18 320 E HALEY ST 48640 RB 14-15-50-388 0.15 316 E HALEY ST 48640 RB 14-15-50-390 0.16 312 E HALEY ST 48640 RB 14-15-50-392 0.16 308 E HALEY ST 48640 RB 14-15-50-394 0.18 304 E HALEY ST 48640 RB 14-15-50-396 0.18 220 E HALEY ST 48640 RB 14-15-50-398 0.18 214 E HALEY ST 48640 RB 14-15-50-399 0.18 210 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-402 0.16	406 E HALEY ST	48640	RB	14-15-50-376	0.37
320 E HALEY ST 48640 RB 14-15-50-388 0.15 316 E HALEY ST 48640 RB 14-15-50-390 0.16 312 E HALEY ST 48640 RB 14-15-50-392 0.16 308 E HALEY ST 48640 RB 14-15-50-394 0.18 304 E HALEY ST 48640 RB 14-15-50-396 0.18 220 E HALEY ST 48640 RB 14-15-50-396 0.18 214 E HALEY ST 48640 RB 14-15-50-398 0.18 214 E HALEY ST 48640 RB 14-15-50-399 0.18 210 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-402 0.16	402 E HALEY ST	48640	RB	14-15-50-380	0.16
316 E HALEY ST 48640 RB 14-15-50-390 0.16 312 E HALEY ST 48640 RB 14-15-50-392 0.16 308 E HALEY ST 48640 RB 14-15-50-394 0.18 304 E HALEY ST 48640 RB 14-15-50-396 0.18 220 E HALEY ST 48640 RB 14-15-50-398 0.18 214 E HALEY ST 48640 RB 14-15-50-399 0.18 210 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-402 0.16	322 E HALEY ST	48640	RB	14-15-50-382	0.18
312 E HALEY ST 48640 RB 14-15-50-392 0.16 308 E HALEY ST 48640 RB 14-15-50-394 0.18 304 E HALEY ST 48640 RB 14-15-50-396 0.18 220 E HALEY ST 48640 RB 14-15-50-398 0.18 214 E HALEY ST 48640 RB 14-15-50-399 0.18 210 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-402 0.16	320 E HALEY ST	48640	RB	14-15-50-388	0.15
308 E HALEY ST 48640 RB 14-15-50-394 0.18 304 E HALEY ST 48640 RB 14-15-50-396 0.18 220 E HALEY ST 48640 RB 14-15-50-398 0.18 214 E HALEY ST 48640 RB 14-15-50-399 0.18 210 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-402 0.16	316 E HALEY ST	48640	RB	14-15-50-390	0.16
304 E HALEY ST 48640 RB 14-15-50-396 0.18 220 E HALEY ST 48640 RB 14-15-50-398 0.18 214 E HALEY ST 48640 RB 14-15-50-399 0.18 210 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-402 0.16	312 E HALEY ST	48640	RB	14-15-50-392	0.16
220 E HALEY ST 48640 RB 14-15-50-398 0.18 214 E HALEY ST 48640 RB 14-15-50-399 0.18 210 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-402 0.16	308 E HALEY ST	48640	RB	14-15-50-394	0.18
214 E HALEY ST 48640 RB 14-15-50-399 0.18 210 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-402 0.16	304 E HALEY ST	48640	RB	14-15-50-396	0.18
210 E HALEY ST 48640 RB 14-15-50-400 0.16 206 E HALEY ST 48640 RB 14-15-50-402 0.16	220 E HALEY ST	48640	RB	14-15-50-398	0.18
206 E HALEY ST 48640 RB 14-15-50-402 0.16	214 E HALEY ST	48640	RB	14-15-50-399	0.18
	210 E HALEY ST	48640	RB	14-15-50-400	0.16
120 E HALEV ST 48640 DD 14 1E E0 404 10 10	206 E HALEY ST	48640	RB	14-15-50-402	0.16
140040 14-13-30-404 140040 14 14-13-30-404 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040 140040	120 E HALEY ST	48640	RB	14-15-50-404	0.18
118 E HALEY ST 48640 RB 14-15-50-406 0.17	118 E HALEY ST	48640	RB	14-15-50-406	0.17
116 E HALEY ST 48640 RB 14-15-50-408 0.15	116 E HALEY ST	48640	RB	14-15-50-408	0.15
110 E HALEY ST 48640 RB 14-15-50-410 0.15	110 E HALEY ST	48640	RB	14-15-50-410	0.15
108 E HALEY ST 48640 RB 14-15-50-412 0.15	108 E HALEY ST	48640	RB	14-15-50-412	0.15
1618 JEFFERSON AVE 48640 NC 14-15-50-414 0.24	1618 JEFFERSON AVE	48640	NC	14-15-50-414	0.24
1610 JEFFERSON AVE 48640 RB 14-15-50-418 0.12	1610 JEFFERSON AVE	48640	RB	14-15-50-418	0.12
1606 JEFFERSON AVE 48640 RB 14-15-50-420 0.12	1606 JEFFERSON AVE	48640	RB	14-15-50-420	0.12
1604 JEFFERSON AVE 48640 RB 14-15-50-422 0.12	1604 JEFFERSON AVE	48640	RB	14-15-50-422	0.12
111 BRADLEY CT 48640 RB 14-15-50-424 0.31	111 BRADLEY CT	48640	RB	14-15-50-424	0.31
113 BRADLEY CT 48640 RB 14-15-50-428 0.15	113 BRADLEY CT		RB	14-15-50-428	0.15
121 BRADLEY CT 48640 RB 14-15-50-430 0.17	121 BRADLEY CT	48640	RB	14-15-50-430	0.17
201 BRADLEY CT 48640 RB 14-15-50-432 0.18		48640		14-15-50-432	0.18
205 BRADLEY CT 48640 RB 14-15-50-450 0.20	205 BRADLEY CT	48640	RB	14-15-50-450	0.20
209 BRADLEY CT 48640 RB 14-15-50-452 0.20	209 BRADLEY CT	48640	RB	14-15-50-452	0.20
213 BRADLEY CT 48640 RB 14-15-50-453 0.19	213 BRADLEY CT	48640	RB	14-15-50-453	0.19
217 BRADLEY CT 48640 RB 14-15-50-454 0.19	217 BRADLEY CT	48640	RB	14-15-50-454	0.19
303 BRADLEY CT 48640 RB 14-15-50-456 0.18			RB	14-15-50-456	
307 BRADLEY CT 48640 RB 14-15-50-458 0.17			RB		+
311 BRADLEY CT 48640 RB 14-15-50-460 0.17	311 BRADLEY CT		RB	14-15-50-460	
313 BRADLEY CT 48640 RB 14-15-50-461 0.61	313 BRADLEY CT			14-15-50-461	
312 BRADLEY CT 48640 RB 14-15-50-462 0.19		48640	RB		0.19
308 BRADLEY CT 48640 RB 14-15-50-464 0.28		48640	RB	14-15-50-464	0.28
304 BRADLEY CT 48640 RB 14-15-50-466 0.20	304 BRADLEY CT	48640	RB	14-15-50-466	0.20

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	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
300 BRADLEY CT	48640	RB	14-15-50-468	0.18
218 BRADLEY CT	48640	RB	14-15-50-470	0.18
214 BRADLEY CT	48640	RB	14-15-50-472	0.18
210 BRADLEY CT	48640	RB	14-15-50-474	0.18
206 BRADLEY CT	48640	RB	14-15-50-488	0.18
202 BRADLEY CT	48640	RB	14-15-50-490	0.18
124 BRADLEY CT	48640	RB	14-15-50-492	0.17
120 BRADLEY CT	48640	RB	14-15-50-494	0.15
114 BRADLEY CT	48640	RB	14-15-50-496	0.15
110 BRADLEY CT	48640	RB	14-15-50-498	0.15
104 BRADLEY CT	48640	RB	14-15-50-500	0.12
1514 JEFFERSON AVE	48640	RB	14-15-50-502	0.12
1510 JEFFERSON AVE	48640	RB	14-15-50-504	0.12
1506 JEFFERSON AVE	48640	RB	14-15-50-506	0.12
1502 JEFFERSON AVE	48640	RB	14-15-50-508	0.12
109 ARBURY PL	48640	RB	14-15-50-510	0.15
113 ARBURY PL	48640	RB	14-15-50-512	0.15
119 ARBURY PL	48640	RB	14-15-50-514	0.15
121 ARBURY PL	48640	RB	14-15-50-516	0.18
201 ARBURY PL	48640	RB	14-15-50-518	0.18
207 ARBURY PL	48640	RB	14-15-50-520	0.18
209 ARBURY PL	48640	RB	14-15-50-522	0.16
213 ARBURY PL	48640	RB	14-15-50-524	0.19
215 ARBURY PL	48640	RB	14-15-50-526	0.19
217 ARBURY PL	48640	RB	14-15-50-528	0.19
301 ARBURY PL	48640	RB	14-15-50-530	0.18
305 ARBURY PL	48640	RB	14-15-50-532	0.19
309 ARBURY PL	48640	RB	14-15-50-534	0.19
313 ARBURY PL	48640	RB	14-15-50-536	0.19
317 ARBURY PL	48640	RB	14-15-50-538	0.19
401 ARBURY PL	48640	RB	14-15-50-540	0.19
405 ARBURY PL	48640	RB	14-15-50-542	0.10
1517 BAYLISS ST	48640	RB	14-15-50-550	2.69
1605 BAYLISS ST	48640	RB	14-15-50-560	0.17
1609 BAYLISS ST	48640	RB COM	14-15-50-562	0.17
2009 JEFFERSON AVE	48640	COM	14-16-30-404	2.62
1606 MILL ST	48640	RA4	14-16-30-436	0.14
1417 MILL ST	48640	RA4	14-16-30-438	0.15
1605 MILL ST	48640	RA4	14-16-30-440	0.15
1607 MILL ST	48640	RA4	14-16-30-442	0.15
1614 STATE ST	48640	RA4	14-16-30-460	0.22
1610 STATE ST	48640	RA4	14-16-30-462	0.18
1606 STATE ST	48640	RA4	14-16-30-464	0.19
1602 STATE ST	48640	RA4	14-16-30-466	0.20
1514 STATE ST	48640	RA4	14-16-30-468	0.20
1510 STATE ST	48640	RA4	14-16-30-470	0.18
1506 STATE ST	48640	RA4	14-16-30-472	0.17
1502 STATE ST	48640	RA4	14-16-30-474	0.18

Property Property Zip Zoning	Property ID Number	Property
Property Address ¹ Zip Zoning	Number	
	Nullibel	Acreage
1414 STATE ST 48640 RA4	14-16-30-476	0.17
1412 STATE ST 48640 RA4	14-16-30-478	0.16
1409 STATE ST 48640 RA4	14-16-30-480	0.21
1413 STATE ST 48640 RA4	14-16-30-482	0.21
1501 STATE ST 48640 RA4	14-16-30-484	0.21
1505 STATE ST 48640 RA4	14-16-30-486	0.21
1601 STATE ST 48640 RA4	14-16-30-488	0.20
1605 STATE ST 48640 RA4	14-16-30-490	0.20
1609 STATE ST 48640 RA4	14-16-30-492	0.19
1615 STATE ST 48640 RA4	14-16-30-494	0.27
1320 GEORGE ST 48640 RA4	14-16-30-496	0.19
1316 GEORGE ST 48640 RA4	14-16-30-498	0.23
1314 GEORGE ST 48640 RA4	14-16-30-500	0.23
1310 GEORGE ST 48640 RA4	14-16-30-502	0.23
1304 GEORGE ST 48640 RA4	14-16-30-504	0.23
1300 GEORGE ST 48640 RA4	14-16-30-506	0.20
707 NORTH ST 48640 RA4	14-16-30-508	0.19
709 NORTH ST 48640 RA4	14-16-30-510	0.19
715 NORTH ST 48640 RA4	14-16-30-512	0.22
708 NORTH ST 48640 RA4	14-16-30-514	0.28
704 NORTH ST 48640 RA4	14-16-30-518	0.23
2205 JEFFERSON AVE 48640 COM	14-16-30-600	10.39
500 E NELSON ST 48640 COM	14-16-30-640	0.66
1618 HALEY ST 48640 RA4	14-16-40-002	0.18
1614 HALEY ST 48640 RA4	14-16-40-004	0.21
1610 HALEY ST 48640 RA4	14-16-40-006	0.17
1606 HALEY ST 48640 RA4	14-16-40-008	0.17
1602 HALEY ST 48640 RA4	14-16-40-010	0.17
1418 HALEY ST 48640 RA4	14-16-40-012	0.17
1416 HALEY ST 48640 RA4	14-16-40-014	0.17
1410 HALEY ST 48640 RA4	14-16-40-016	0.17
1001 NORTH ST 48640 RA4	14-16-40-018	0.17
1005 NORTH ST 48640 RA4	14-16-40-020	0.17
1007 NORTH ST 48640 RA4	14-16-40-022	0.17
1401 FOURNIE ST 48640 RA4	14-16-40-024	0.17
1411 FOURNIE ST 48640 RA4	14-16-40-026	0.17
1415 FOURNIE ST 48640 RA4	14-16-40-028	0.16
1419 FOURNIE ST 48640 RA4	14-16-40-030	0.16
1423 FOURNIE ST 48640 RA4	14-16-40-032	0.16
1601 JEFFERSON AVE 48640 RA4	14-16-40-034	0.29
1407 HALEY ST 48640 RA4	14-16-40-196	0.17
1411 HALEY ST 48640 RA4	14-16-40-198	0.16
1415 HALEY ST 48640 RA4	14-16-40-200	0.16
1419 HALEY ST 48640 RA4	14-16-40-202	0.16
1601 HALEY ST 48640 RA4	14-16-40-204	0.16
1607 HALEY ST 48640 RA4	14-16-40-206	0.16
1609 HALEY ST 48640 RA4	14-16-40-208	0.16
1602 MILL ST 48640 RA4	14-16-40-214	0.17

Property Address	The bow ci	-	ipaliy, iv	lichigan Operati	0113
1416 MILL ST		Property		Property ID	Property
1410 MILL ST	Property Address ¹	Zip	Zoning	Number	Acreage
903 NORTH ST	1416 MILL ST	48640	RA4	14-16-40-218	0.33
907 NORTH ST	1410 MILL ST	48640	RA4	14-16-40-220	0.17
915 NORTH ST	903 NORTH ST	48640	RA4	14-16-40-222	0.17
1411 MILL ST	907 NORTH ST	48640	RA4	14-16-40-224	0.16
1413 MILL ST	915 NORTH ST	48640	RA4	14-16-40-226	0.17
1415 MILL ST	1411 MILL ST	48640	RA4	14-16-40-230	0.17
1402 STATE ST	1413 MILL ST	48640	RA4	14-16-40-232	0.18
805 NORTH ST 48640 RA4 14-16-40-240 0.16 807 NORTH ST 48640 RA4 14-16-40-244 0.17 815 NORTH ST 48640 RA4 14-16-40-244 0.17 714 NORTH ST 48640 RA4 14-16-40-284 0.20 615 REARDON CT 48640 RA4 14-16-40-288 0.30 618 REARDON CT 48640 RA4 14-16-40-289 0.30 618 REARDON CT 48640 RA4 14-16-40-291 0.17 610 REARDON CT 48640 RA4 14-16-40-293 0.17 610 REARDON CT 48640 RA4 14-16-40-296 0.17 1112 GEORGE ST 48640 RA4 14-16-40-300 0.31 605 E CARPENTER ST 48640 RA4 14-16-40-302 0.17 613 E CARPENTER ST 48640 RA4 14-16-40-304 0.16 613 E CARPENTER ST 48640 RA4 14-16-40-304 0.16 615 E CARPENTER ST 48640 RA4 14-16-40-310 <t< td=""><td>1415 MILL ST</td><td>48640</td><td>RA4</td><td>14-16-40-234</td><td>0.17</td></t<>	1415 MILL ST	48640	RA4	14-16-40-234	0.17
807 NORTH ST 48640 RA4 14-16-40-244 0.17 815 NORTH ST 48640 RA4 14-16-40-246 0.17 714 NORTH ST 48640 RA4 14-16-40-284 0.20 615 REARDON CT 48640 RA4 14-16-40-288 0.30 618 REARDON CT 48640 RA4 14-16-40-288 0.30 618 REARDON CT 48640 RA4 14-16-40-291 0.17 610 REARDON CT 48640 RA4 14-16-40-293 0.17 610 REARDON CT 48640 RA4 14-16-40-290 0.17 1112 GEORGE ST 48640 RA4 14-16-40-300 0.31 605 E CARPENTER ST 48640 RA4 14-16-40-300 0.17 613 E CARPENTER ST 48640 RA4 14-16-40-300 0.16 613 E CARPENTER ST 48640 RA4 14-16-40-306 0.17 615 E CARPENTER ST 48640 RA4 14-16-40-308 0.16 701 E CARPENTER ST 48640 RA4 14-16-40-310	1402 STATE ST	48640	RA4	14-16-40-238	0.16
815 NORTH ST 48640 RA4 14-16-40-246 0.17 714 NORTH ST 48640 RA4 14-16-40-284 0.20 615 REARDON CT 48640 RA4 14-16-40-286 0.20 621 REARDON CT 48640 RA4 14-16-40-288 0.30 618 REARDON CT 48640 RA4 14-16-40-291 0.17 610 REARDON CT 48640 RA4 14-16-40-293 0.17 610 REARDON CT 48640 RA4 14-16-40-293 0.17 610 REARDON CT 48640 RA4 14-16-40-293 0.17 1112 GEORGE ST 48640 RA4 14-16-40-300 0.31 605 E CARPENTER ST 48640 RA4 14-16-40-302 0.17 613 E CARPENTER ST 48640 RA4 14-16-40-304 0.16 613 E CARPENTER ST 48640 RA4 14-16-40-306 0.17 615 E CARPENTER ST 48640 RA4 14-16-40-310 0.18 711 E CARPENTER ST 48640 RA4 14-16-40-312	805 NORTH ST	48640	RA4	14-16-40-240	0.16
T14 NORTH ST	807 NORTH ST	48640	RA4	14-16-40-244	0.17
615 REARDON CT	815 NORTH ST	48640	RA4	14-16-40-246	0.17
621 REARDON CT	714 NORTH ST	48640	RA4	14-16-40-284	0.20
618 REARDON CT 48640 RA4 14-16-40-291 0.17 616 REARDON CT 48640 RA4 14-16-40-293 0.17 610 REARDON CT 48640 RA4 14-16-40-296 0.17 1112 GEORGE ST 48640 RA4 14-16-40-300 0.31 605 E CARPENTER ST 48640 RA4 14-16-40-302 0.17 609 E CARPENTER ST 48640 RA4 14-16-40-304 0.16 613 E CARPENTER ST 48640 RA4 14-16-40-304 0.16 615 E CARPENTER ST 48640 RA4 14-16-40-306 0.17 615 E CARPENTER ST 48640 RA4 14-16-40-308 0.16 701 E CARPENTER ST 48640 RA4 14-16-40-308 0.16 713 E CARPENTER ST 48640 RA4 14-16-40-310 0.17 715 E CARPENTER ST 48640 RA4 14-16-40-314 0.17 7109 STATE ST 48640 RA4 14-16-40-314 0.17 1109 STATE ST 48640 RA4 14-16-	615 REARDON CT	48640	RA4	14-16-40-286	0.20
616 REARDON CT 48640 RA4 14-16-40-293 0.17 610 REARDON CT 48640 RA4 14-16-40-296 0.17 1112 GEORGE ST 48640 RA4 14-16-40-300 0.31 605 E CARPENTER ST 48640 RA4 14-16-40-302 0.17 609 E CARPENTER ST 48640 RA4 14-16-40-304 0.16 613 E CARPENTER ST 48640 RA4 14-16-40-306 0.17 615 E CARPENTER ST 48640 RA4 14-16-40-306 0.17 615 E CARPENTER ST 48640 RA4 14-16-40-308 0.16 701 E CARPENTER ST 48640 RA4 14-16-40-310 0.18 711 E CARPENTER ST 48640 RA4 14-16-40-312 0.17 713 E CARPENTER ST 48640 RA4 14-16-40-314 0.17 715 E CARPENTER ST 48640 RA4 14-16-40-316 0.17 1109 STATE ST 48640 RA4 14-16-40-318 0.36 1113 STATE ST 48640 RA4 14	621 REARDON CT	48640	RA4	14-16-40-288	0.30
610 REARDON CT 48640 RA4 14-16-40-296 0.17 1112 GEORGE ST 48640 RA4 14-16-40-300 0.31 605 E CARPENTER ST 48640 RA4 14-16-40-302 0.17 609 E CARPENTER ST 48640 RA4 14-16-40-304 0.16 613 E CARPENTER ST 48640 RA4 14-16-40-306 0.17 615 E CARPENTER ST 48640 RA4 14-16-40-308 0.16 701 E CARPENTER ST 48640 RA4 14-16-40-308 0.16 701 E CARPENTER ST 48640 RA4 14-16-40-310 0.18 711 E CARPENTER ST 48640 RA4 14-16-40-310 0.17 713 E CARPENTER ST 48640 RA4 14-16-40-312 0.17 715 E CARPENTER ST 48640 RA4 14-16-40-314 0.17 715 E CARPENTER ST 48640 RA4 14-16-40-316 0.17 1109 STATE ST 48640 RA4 14-16-40-318 0.36 1113 STATE ST 48640 RA4 <t< td=""><td>618 REARDON CT</td><td>48640</td><td>RA4</td><td>14-16-40-291</td><td>0.17</td></t<>	618 REARDON CT	48640	RA4	14-16-40-291	0.17
1112 GEORGE ST 48640 RA4 14-16-40-300 0.31 605 E CARPENTER ST 48640 RA4 14-16-40-302 0.17 609 E CARPENTER ST 48640 RA4 14-16-40-304 0.16 613 E CARPENTER ST 48640 RA4 14-16-40-306 0.17 615 E CARPENTER ST 48640 RA4 14-16-40-308 0.16 701 E CARPENTER ST 48640 RA4 14-16-40-310 0.18 711 E CARPENTER ST 48640 RA4 14-16-40-310 0.18 711 E CARPENTER ST 48640 RA4 14-16-40-312 0.17 713 E CARPENTER ST 48640 RA4 14-16-40-314 0.17 715 E CARPENTER ST 48640 RA4 14-16-40-316 0.17 1109 STATE ST 48640 RA4 14-16-40-316 0.17 1119 STATE ST 48640 RA4 14-16-40-320 0.19 1119 STATE ST 48640 RA4 14-16-40-320 0.19 1119 STATE ST 48640 RA4 14-16-40-322 0.18 1309 STATE ST 48640 RA4	616 REARDON CT	48640	RA4	14-16-40-293	0.17
605 E CARPENTER ST 48640 RA4 14-16-40-302 0.17 609 E CARPENTER ST 48640 RA4 14-16-40-304 0.16 613 E CARPENTER ST 48640 RA4 14-16-40-306 0.17 615 E CARPENTER ST 48640 RA4 14-16-40-308 0.16 701 E CARPENTER ST 48640 RA4 14-16-40-310 0.18 711 E CARPENTER ST 48640 RA4 14-16-40-312 0.17 713 E CARPENTER ST 48640 RA4 14-16-40-312 0.17 715 E CARPENTER ST 48640 RA4 14-16-40-314 0.17 715 E CARPENTER ST 48640 RA4 14-16-40-314 0.17 715 E CARPENTER ST 48640 RA4 14-16-40-316 0.17 1109 STATE ST 48640 RA4 14-16-40-318 0.36 1113 STATE ST 48640 RA4 14-16-40-320 0.19 1119 STATE ST 48640 RA4 14-16-40-322 0.18 1305 STATE ST 48640 RA4 14-16-40-322 0.18 1309 STATE ST 48640 RA4	610 REARDON CT	48640	RA4	14-16-40-296	0.17
609 E CARPENTER ST 48640 RA4 14-16-40-304 0.16 613 E CARPENTER ST 48640 RA4 14-16-40-306 0.17 615 E CARPENTER ST 48640 RA4 14-16-40-308 0.16 701 E CARPENTER ST 48640 RA4 14-16-40-310 0.18 711 E CARPENTER ST 48640 RA4 14-16-40-312 0.17 713 E CARPENTER ST 48640 RA4 14-16-40-314 0.17 715 E CARPENTER ST 48640 RA4 14-16-40-316 0.17 1109 STATE ST 48640 RA4 14-16-40-316 0.17 1109 STATE ST 48640 RA4 14-16-40-318 0.36 1113 STATE ST 48640 RA4 14-16-40-320 0.19 1119 STATE ST 48640 RA4 14-16-40-320 0.18 1301 STATE ST 48640 RA4 14-16-40-322 0.18 1309 STATE ST 48640 RA4 14-16-40-326 0.18 1309 STATE ST 48640 RA4 14-16-40-328 0.18 1000 SCOTT ST 48642 RA2 14-15-1	1112 GEORGE ST	48640	RA4	14-16-40-300	0.31
613 E CARPENTER ST 48640 RA4 14-16-40-306 0.17 615 E CARPENTER ST 48640 RA4 14-16-40-308 0.16 701 E CARPENTER ST 48640 RA4 14-16-40-310 0.18 711 E CARPENTER ST 48640 RA4 14-16-40-312 0.17 713 E CARPENTER ST 48640 RA4 14-16-40-314 0.17 715 E CARPENTER ST 48640 RA4 14-16-40-316 0.17 1109 STATE ST 48640 RA4 14-16-40-316 0.17 1119 STATE ST 48640 RA4 14-16-40-318 0.36 1119 STATE ST 48640 RA4 14-16-40-320 0.19 1119 STATE ST 48640 RA4 14-16-40-320 0.18 1301 STATE ST 48640 RA4 14-16-40-322 0.18 1305 STATE ST 48640 RA4 14-16-40-326 0.18 1309 STATE ST 48640 RA4 14-16-40-326 0.18 1309 STATE ST 48640 RA4 14-16-40-328 0.18 100 SCOTT ST 48642 RA2 14-15-10-430<	605 E CARPENTER ST	48640	RA4	14-16-40-302	0.17
615 E CARPENTER ST 48640 RA4 14-16-40-308 0.16 701 E CARPENTER ST 48640 RA4 14-16-40-310 0.18 711 E CARPENTER ST 48640 RA4 14-16-40-312 0.17 713 E CARPENTER ST 48640 RA4 14-16-40-314 0.17 715 E CARPENTER ST 48640 RA4 14-16-40-316 0.17 1109 STATE ST 48640 RA4 14-16-40-318 0.36 1113 STATE ST 48640 RA4 14-16-40-320 0.19 1119 STATE ST 48640 RA4 14-16-40-320 0.19 1301 STATE ST 48640 RA4 14-16-40-322 0.18 1309 STATE ST 48640 RA4 14-16-40-324 0.18 1309 STATE ST 48640 RA4 14-16-40-326 0.18 1309 STATE ST 48640 RA4 14-16-40-328 0.18 Corner of Reardon and George 48642 No Parcel # 0.33 Phase III 2013 1112 SCOTT ST 48642 RA2 14-15-10-430 0.29 1108 SCOTT ST 48642 RA2	609 E CARPENTER ST	48640	RA4	14-16-40-304	0.16
701 E CARPENTER ST 48640 RA4 14-16-40-310 0.18 711 E CARPENTER ST 48640 RA4 14-16-40-312 0.17 713 E CARPENTER ST 48640 RA4 14-16-40-314 0.17 715 E CARPENTER ST 48640 RA4 14-16-40-316 0.17 1109 STATE ST 48640 RA4 14-16-40-318 0.36 1113 STATE ST 48640 RA4 14-16-40-320 0.19 1119 STATE ST 48640 RA4 14-16-40-320 0.19 1119 STATE ST 48640 RA4 14-16-40-322 0.18 1301 STATE ST 48640 RA4 14-16-40-322 0.18 1309 STATE ST 48640 RA4 14-16-40-326 0.18 1309 STATE ST 48640 RA4 14-16-40-328 0.18 Corner of Reardon and George 48642 RA2 14-15-10-430 0.29 1108 SCOTT ST 48642 RA2 14-15-10-430 0.29 1104 SCOTT ST 48642 RA2 14-15-10-436 <td>613 E CARPENTER ST</td> <td>48640</td> <td>RA4</td> <td>14-16-40-306</td> <td>0.17</td>	613 E CARPENTER ST	48640	RA4	14-16-40-306	0.17
711 E CARPENTER ST 48640 RA4 14-16-40-312 0.17 713 E CARPENTER ST 48640 RA4 14-16-40-314 0.17 715 E CARPENTER ST 48640 RA4 14-16-40-316 0.17 1109 STATE ST 48640 RA4 14-16-40-318 0.36 1113 STATE ST 48640 RA4 14-16-40-320 0.19 1119 STATE ST 48640 RA4 14-16-40-322 0.18 1301 STATE ST 48640 RA4 14-16-40-322 0.18 1305 STATE ST 48640 RA4 14-16-40-324 0.18 1309 STATE ST 48640 RA4 14-16-40-326 0.18 1309 STATE ST 48640 RA4 14-16-40-326 0.18 Corner of Reardon and George 48642 No Parcel # 0.33 Phase III 2013 1112 SCOTT ST 48642 RA2 14-15-10-430 0.29 1108 SCOTT ST 48642 RA2 14-15-10-432 0.25 1100 SCOTT ST 48642 RA2 14-15-10-436 0.25 1103 SCOTT ST 48642 RA2 14-15-10-436 0.25 1032 SCOTT ST 48642 RA2 14-15-10-430 0.27 1012 SCOTT ST 48642 RA2 14-15-10-440 0.27 1013 SCOTT ST 48642 RA2 14-15-10-440 0.27 1014 SCOTT ST 48642 RA2 14-15-10-440 0.27 1015 SCOTT ST 48642 RA2 14-15-10-440 0.27 1016 SCOTT ST 48642 RA2 14-15-10-440 0.27 1017 SCOTT ST 48642 RA2 14-15-10-440 0.27 1018 SCOTT ST 48642 RA2 14-15-10-440 0.27 1019 SCOTT ST 48642 RA2 14-15-10-440 0.27 1011 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-440 0.27	615 E CARPENTER ST	48640	RA4	14-16-40-308	0.16
713 E CARPENTER ST 48640 RA4 14-16-40-314 0.17 715 E CARPENTER ST 48640 RA4 14-16-40-316 0.17 1109 STATE ST 48640 RA4 14-16-40-318 0.36 1113 STATE ST 48640 RA4 14-16-40-320 0.19 1119 STATE ST 48640 RA4 14-16-40-322 0.18 1301 STATE ST 48640 RA4 14-16-40-324 0.18 1309 STATE ST 48640 RA4 14-16-40-326 0.18 1309 STATE ST 48640 RA4 14-16-40-326 0.18 1309 STATE ST 48640 RA4 14-16-40-328 0.18 Corner of Reardon and George 48642 No Parcel # 0.33 Phase III 2013 1112 SCOTT ST 48642 RA2 14-15-10-430 0.29 1108 SCOTT ST 48642 RA2 14-15-10-434 0.25 1100 SCOTT ST 48642 RA2 14-15-10-436 0.25 1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642	701 E CARPENTER ST	48640	RA4	14-16-40-310	0.18
715 E CARPENTER ST 48640 RA4 14-16-40-316 0.17 1109 STATE ST 48640 RA4 14-16-40-318 0.36 1113 STATE ST 48640 RA4 14-16-40-320 0.19 1119 STATE ST 48640 RA4 14-16-40-322 0.18 1301 STATE ST 48640 RA4 14-16-40-324 0.18 1305 STATE ST 48640 RA4 14-16-40-326 0.18 1309 STATE ST 48640 RA4 14-16-40-328 0.18 Corner of Reardon and George 48642 No Parcel # 0.33 Phase III 2013 No Parcel # 0.33 1112 SCOTT ST 48642 RA2 14-15-10-430 0.29 1108 SCOTT ST 48642 RA2 14-15-10-430 0.25 1100 SCOTT ST 48642 RA2 14-15-10-436 0.25 1036 SCOTT ST 48642 RA2 14-15-10-436 0.25 1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST </td <td>711 E CARPENTER ST</td> <td>48640</td> <td>RA4</td> <td>14-16-40-312</td> <td>0.17</td>	711 E CARPENTER ST	48640	RA4	14-16-40-312	0.17
1109 STATE ST 48640 RA4 14-16-40-318 0.36 1113 STATE ST 48640 RA4 14-16-40-320 0.19 1119 STATE ST 48640 RA4 14-16-40-322 0.18 1301 STATE ST 48640 RA4 14-16-40-324 0.18 1305 STATE ST 48640 RA4 14-16-40-326 0.18 1309 STATE ST 48640 RA4 14-16-40-328 0.18 Corner of Reardon and George 48642 No Parcel # 0.33 Phase III 2013 48642 RA2 14-15-10-430 0.29 1108 SCOTT ST 48642 RA2 14-15-10-430 0.29 1104 SCOTT ST 48642 RA2 14-15-10-434 0.25 1100 SCOTT ST 48642 RA2 14-15-10-436 0.25 1036 SCOTT ST 48642 RA2 14-15-10-438 0.25 1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24 <td>713 E CARPENTER ST</td> <td>48640</td> <td>RA4</td> <td>14-16-40-314</td> <td>0.17</td>	713 E CARPENTER ST	48640	RA4	14-16-40-314	0.17
1113 STATE ST 48640 RA4 14-16-40-320 0.19 1119 STATE ST 48640 RA4 14-16-40-322 0.18 1301 STATE ST 48640 RA4 14-16-40-324 0.18 1305 STATE ST 48640 RA4 14-16-40-326 0.18 1309 STATE ST 48640 RA4 14-16-40-328 0.18 Corner of Reardon and George 48642 No Parcel # 0.33 Phase III 2013 1112 SCOTT ST 48642 RA2 14-15-10-430 0.29 1108 SCOTT ST 48642 RA2 14-15-10-430 0.25 1104 SCOTT ST 48642 RA2 14-15-10-434 0.25 1100 SCOTT ST 48642 RA2 14-15-10-436 0.25 1036 SCOTT ST 48642 RA2 14-15-10-436 0.25 1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24	715 E CARPENTER ST	48640	RA4	14-16-40-316	0.17
1119 STATE ST 48640 RA4 14-16-40-322 0.18 1301 STATE ST 48640 RA4 14-16-40-324 0.18 1305 STATE ST 48640 RA4 14-16-40-326 0.18 1309 STATE ST 48640 RA4 14-16-40-328 0.18 Corner of Reardon and George 48642 No Parcel # 0.33 Phase III 2013 1112 SCOTT ST 48642 RA2 14-15-10-430 0.29 1108 SCOTT ST 48642 RA2 14-15-10-432 0.25 1104 SCOTT ST 48642 RA2 14-15-10-434 0.25 1100 SCOTT ST 48642 RA2 14-15-10-436 0.25 1036 SCOTT ST 48642 RA2 14-15-10-438 0.25 1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-442 0.28 1029 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24	1109 STATE ST	48640	RA4	14-16-40-318	0.36
1301 STATE ST 48640 RA4 14-16-40-324 0.18 1305 STATE ST 48640 RA4 14-16-40-326 0.18 1309 STATE ST 48640 RA4 14-16-40-328 0.18 Corner of Reardon and George 48642 No Parcel # 0.33 Phase III 2013 1112 SCOTT ST 48642 RA2 14-15-10-430 0.29 1108 SCOTT ST 48642 RA2 14-15-10-432 0.25 1100 SCOTT ST 48642 RA2 14-15-10-434 0.25 1036 SCOTT ST 48642 RA2 14-15-10-436 0.25 1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-440 0.27 1029 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24	1113 STATE ST	48640	RA4	14-16-40-320	0.19
1305 STATE ST 48640 RA4 14-16-40-326 0.18 1309 STATE ST 48640 RA4 14-16-40-328 0.18 Corner of Reardon and George 48642 No Parcel # 0.33 Phase III 2013 1112 SCOTT ST 48642 RA2 14-15-10-430 0.29 1108 SCOTT ST 48642 RA2 14-15-10-430 0.25 1100 SCOTT ST 48642 RA2 14-15-10-434 0.25 1036 SCOTT ST 48642 RA2 14-15-10-436 0.25 1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-440 0.27 1029 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24	1119 STATE ST	48640	RA4	14-16-40-322	0.18
1309 STATE ST 48640 RA4 14-16-40-328 0.18 Corner of Reardon and George 48642 No Parcel # 0.33 Phase III 2013 1112 SCOTT ST 48642 RA2 14-15-10-430 0.29 1108 SCOTT ST 48642 RA2 14-15-10-432 0.25 1100 SCOTT ST 48642 RA2 14-15-10-434 0.25 1036 SCOTT ST 48642 RA2 14-15-10-436 0.25 1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-442 0.28 1029 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24	1301 STATE ST	48640	RA4	14-16-40-324	0.18
Corner of Reardon and George 48642 No Parcel # 0.33 Phase III 2013 1112 SCOTT ST 48642 RA2 14-15-10-430 0.29 1108 SCOTT ST 48642 RA2 14-15-10-432 0.25 1104 SCOTT ST 48642 RA2 14-15-10-434 0.25 1100 SCOTT ST 48642 RA2 14-15-10-436 0.25 1036 SCOTT ST 48642 RA2 14-15-10-438 0.25 1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-442 0.28 1029 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24	1305 STATE ST	48640	RA4	14-16-40-326	0.18
Phase III 2013 1112 SCOTT ST 48642 RA2 14-15-10-430 0.29 1108 SCOTT ST 48642 RA2 14-15-10-432 0.25 1104 SCOTT ST 48642 RA2 14-15-10-434 0.25 1100 SCOTT ST 48642 RA2 14-15-10-436 0.25 1036 SCOTT ST 48642 RA2 14-15-10-438 0.25 1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-442 0.28 1029 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24	1309 STATE ST	48640	RA4	14-16-40-328	0.18
1112 SCOTT ST 48642 RA2 14-15-10-430 0.29 1108 SCOTT ST 48642 RA2 14-15-10-432 0.25 1104 SCOTT ST 48642 RA2 14-15-10-434 0.25 1100 SCOTT ST 48642 RA2 14-15-10-436 0.25 1036 SCOTT ST 48642 RA2 14-15-10-438 0.25 1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-442 0.28 1029 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24	Corner of Reardon and George	48642		No Parcel #	0.33
1108 SCOTT ST 48642 RA2 14-15-10-432 0.25 1104 SCOTT ST 48642 RA2 14-15-10-434 0.25 1100 SCOTT ST 48642 RA2 14-15-10-436 0.25 1036 SCOTT ST 48642 RA2 14-15-10-438 0.25 1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-442 0.28 1029 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24	Phase III 2013	•	2		
1104 SCOTT ST 48642 RA2 14-15-10-434 0.25 1100 SCOTT ST 48642 RA2 14-15-10-436 0.25 1036 SCOTT ST 48642 RA2 14-15-10-438 0.25 1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-442 0.28 1029 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24	1112 SCOTT ST	48642	RA2	14-15-10-430	0.29
1100 SCOTT ST 48642 RA2 14-15-10-436 0.25 1036 SCOTT ST 48642 RA2 14-15-10-438 0.25 1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-442 0.28 1029 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24	1108 SCOTT ST	48642	RA2	14-15-10-432	0.25
1036 SCOTT ST 48642 RA2 14-15-10-438 0.25 1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-442 0.28 1029 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24	1104 SCOTT ST	48642	RA2	14-15-10-434	0.25
1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-442 0.28 1029 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24	1100 SCOTT ST	48642	RA2	14-15-10-436	0.25
1032 SCOTT ST 48642 RA2 14-15-10-440 0.27 1012 SCOTT ST 48642 RA2 14-15-10-442 0.28 1029 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24					
1029 SCOTT ST 48642 RA2 14-15-10-462 0.30 1033 SCOTT ST 48642 RA2 14-15-10-464 0.24	1032 SCOTT ST	48642	RA2	14-15-10-440	0.27
1033 SCOTT ST 48642 RA2 14-15-10-464 0.24					0.28
1033 SCOTT ST 48642 RA2 14-15-10-464 0.24	1029 SCOTT ST	48642	RA2	14-15-10-462	0.30
	1033 SCOTT ST			14-15-10-464	
<u> </u>					
1101 SCOTT ST 48642 RA2 14-15-10-468 0.24		48642		14-15-10-468	0.24
1105 SCOTT ST 48642 RA2 14-15-10-470 0.24		48642			
1109 SCOTT ST 48642 RA2 14-15-10-472 0.24	1109 SCOTT ST	48642	RA2	14-15-10-472	0.24

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	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
1113 SCOTT ST	48642	RA2	14-15-10-474	0.24
1610 E HALEY ST	48642	RA3	14-15-40-004	0.40
1610 IOWA ST	48642	RA3	14-15-40-008	0.17
1606 IOWA ST	48642	RA3	14-15-40-010	0.17
1600 IOWA ST	48642	RA3	14-15-40-012	0.17
1518 IOWA ST	48642	RA3	14-15-40-014	0.17
1514 IOWA ST	48642	RA3	14-15-40-016	0.17
1510 IOWA ST	48642	RA3	14-15-40-018	0.17
1506 IOWA ST	48642	RA3	14-15-40-020	0.16
1502 IOWA ST	48642	RA3	14-15-40-022	0.17
1416 IOWA ST	48642	RA3	14-15-40-024	0.17
1412 IOWA ST	48642	RA3	14-15-40-026	0.17
1408 IOWA ST	48642	RA3	14-15-40-028	0.17
1404 IOWA ST	48642	RA3	14-15-40-030	0.17
1400 IOWA ST	48642	RB	14-15-40-032	0.18
1407 SWEDE AVE	48642	RB	14-15-40-036	0.56
1415 SWEDE AVE	48642	RB	14-15-40-043	0.27
1501 SWEDE AVE	48642	RB	14-15-40-046	0.28
1505 SWEDE AVE	48642	RB	14-15-40-048	0.28
1513 SWEDE AVE	48642	RA3	14-15-40-050	0.28
1601 SWEDE AVE	48642	RA3	14-15-40-052	0.17
1605 SWEDE AVE	48642	RA3	14-15-40-056	0.33
1609 SWEDE AVE	48642	RA3	14-15-40-060	0.17
1613 SWEDE AVE	48642	RA3	14-15-40-062	0.24
1518 E HALEY ST	48642	RA3	14-15-40-064	0.22
1514 E HALEY ST	48642	RA3	14-15-40-066	0.21
1510 E HALEY ST	48642	RA3	14-15-40-068	0.21
1506 E HALEY ST	48642	RA3	14-15-40-070	0.21
1502 E HALEY ST	48642	RA3	14-15-40-072	0.21
1418 E HALEY ST	48642	RA3	14-15-40-074	0.36
1412 E HALEY ST	48642	RA3	14-15-40-076	0.28
1406 E HALEY ST	48642	RA3	14-15-40-078	0.28
1402 E HALEY ST	48642	RA3	14-15-40-080	0.28
1318 E HALEY ST	48642	RA3	14-15-40-082	0.20
1310 E HALEY ST	48640	RA3	14-15-40-084	0.18
1306 E HALEY ST	48642	RA3	14-15-40-086	0.24
1311 CAROLINA ST	48642	RA3	14-15-40-088	0.18
1323 CAROLINA ST	48642	RA3	14-15-40-090	0.24
1405 CAROLINA ST	48642	RA4	14-15-40-092	0.27
1407 CAROLINA ST	48642	RA4	14-15-40-094	0.27
1411 CAROLINA ST	48642	RA4	14-15-40-096	0.30
1417 CAROLINA ST	48642	RA4	14-15-40-100	0.26
1501 CAROLINA ST	48642	RA4	14-15-40-102	0.23
1509 CAROLINA ST	48642	RA4	14-15-40-104	0.26
1605 IOWA ST	48642	RA3	14-15-40-106	0.24
1611 IOWA ST	48642	RA3	14-15-40-108	0.18
1510 CAROLINA ST	48642	RA4	14-15-40-110	0.22
1506 CAROLINA ST	48642	RA4	14-15-40-112	0.22

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	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
1502 CAROLINA ST	48642	RA4	14-15-40-114	0.23
1418 CAROLINA ST	48642	RA4	14-15-40-116	0.13
1416 CAROLINA ST	48642	RA4	14-15-40-117	0.15
1410 CAROLINA ST	48642	RA4	14-15-40-118	0.28
1406 CAROLINA ST	48642	RA4	14-15-40-120	0.28
1402 CAROLINA ST	48642	RA4	14-15-40-122	0.28
1324 CAROLINA ST	48642	RA3	14-15-40-140	0.27
1320 CAROLINA ST	48642	RA3	14-15-40-142	0.28
1316 CAROLINA ST	48642	RA3	14-15-40-144	0.17
1312 CAROLINA ST	48642	RA3	14-15-40-146	0.17
1308 CAROLINA ST	48642	RA3	14-15-40-148	0.17
1304 CAROLINA ST	48642	RA3	14-15-40-150	0.18
1300 E HALEY ST	48642	RA3	14-15-40-154	0.21
1210 E HALEY ST	48642	RB	14-15-40-156	0.28
1204 E HALEY ST	48642	RB	14-15-40-170	0.17
1407 IOWA ST	48642	RA3	14-15-40-304	0.17
1413 IOWA ST	48642	RA3	14-15-40-306	0.17
1417 IOWA ST	48642	RA3	14-15-40-308	0.17
1501 IOWA ST	48642	RA3	14-15-40-310	0.17
1505 IOWA ST	48642	RA3	14-15-40-312	0.17
1509 IOWA ST	48642	RA3	14-15-40-314	0.17
1513 IOWA ST	48642	RA3	14-15-40-316	0.22
700 E HALEY ST	48640	RB	14-15-50-026	0.26
612 E HALEY ST	48640	RB	14-15-50-028	0.19
608 E HALEY ST	48640	RB	14-15-50-030	0.19
604 E HALEY ST	48640	RB	14-15-50-032	0.18
602 E HALEY ST	48640	RB	14-15-50-032	0.19
514 E HALEY ST	48640	RB	14-15-50-034	0.18
510 E HALEY ST	48640	RB	14-15-50-038	0.17
504 E HALEY ST	48640	RB	14-15-50-040	0.17
500 E HALEY ST	48640	RB	14-15-50-040	0.17
1604 BAYLISS ST	48640	RB	14-15-50-044	0.17
1600 BAYLISS ST	48640	RB	14-15-50-046	0.17
1220 S SAGINAW RD	48640	RC	14-15-60-041	0.63
1214 S SAGINAW RD	48640	RC	14-15-60-046	0.66
1120 S SAGINAW RD	48640	RC	14-15-60-054	0.17
1112 S SAGINAW RD	48640	RC	14-15-60-058	0.37
1104 S SAGINAW RD	48640	RC	14-15-60-060	0.29
1020 S SAGINAW RD	48640	RC	14-15-60-064	0.25
1004 S SAGINAW RD	48640	RC	14-15-60-068	0.25
1000 S SAGINAW RD	48640	RC	14-15-60-070	0.23
1001 MICHIGAN ST	48640	RB	14-15-60-072	0.16
1005 MICHIGAN ST	48640	RB	14-15-60-074	0.17
1009 MICHIGAN ST	48640	RB	14-15-60-076	0.17
1013 MICHIGAN ST	48640	RB	14-15-60-078	0.17
1017 MICHIGAN ST	48640	RB	14-15-60-080	0.17
1101 MICHIGAN ST	48640	RB	14-15-60-082	0.17
1105 MICHIGAN ST	48640	RB	14-15-60-084	0.18

Property Address¹ Property Zip Zoning Property ID Number Number Acreage 1109 MICHIGAN ST 48640 RB 14-15-60-086 0.15 1113 MICHIGAN ST 48640 RB 14-15-60-088 0.17 11201 MICHIGAN ST 48640 RB 14-15-60-090 0.17 1205 MICHIGAN ST 48640 RB 14-15-60-090 0.17 1209 MICHIGAN ST 48640 RB 14-15-60-090 0.17 1213 MICHIGAN ST 48640 RB 14-15-60-090 0.17 1217 MICHIGAN ST 48640 RB 14-15-60-100 0.17 1217 MICHIGAN ST 48640 RB 14-15-60-100 0.17 1225 MICHIGAN ST 48640 RB 14-15-60-100 0.17 1225 MICHIGAN ST 48640 RB 14-15-60-100 0.17 1229 MICHIGAN ST 48640 RB 14-15-60-101 0.17 1305 MICHIGAN ST 48640 RB 14-15-60-110 0.17 1401 MICHIGAN ST 48640 RB 14-15-60-1	The bow en	- Cillical Coll	ipany, iv	iichigan Operati	1
1109 MICHIGAN ST		Property		Property ID	Property
1109 MICHIGAN ST	Property Address ¹	Zip	Zoning	Number	Acreage
1117 MICHIGAN ST		48640	RB	14-15-60-086	0.15
1201 MICHIGAN ST	1113 MICHIGAN ST	48640	RB	14-15-60-088	0.17
1205 MICHIGAN ST	1117 MICHIGAN ST	48640	RB	14-15-60-090	0.17
1205 MICHIGAN ST	1201 MICHIGAN ST	48640	RB	14-15-60-092	0.17
1209 MICHIGAN ST		48640	RB		0.17
1213 MICHIGAN ST		48640	RB		0.17
1217 MICHIGAN ST		48640	RB	14-15-60-098	0.17
1221 MICHIGAN ST		48640	RB	14-15-60-100	0.17
1225 MICHIGAN ST		48640			0.17
1229 MICHIGAN ST		48640	RB	14-15-60-104	
1301 MICHIGAN ST		48640	RB		
1305 MICHIGAN ST 48640 RB 14-15-60-110 0.17 1401 MICHIGAN ST 48640 RB 14-15-60-112 0.20 806 MAPLE ST 48640 RB 14-15-60-120 0.18 802 MAPLE ST 48640 RB 14-15-60-122 0.18 722 MAPLE ST 48640 RB 14-15-60-124 0.18 718 MAPLE ST 48640 RB 14-15-60-126 0.18 714 MAPLE ST 48640 RB 14-15-60-126 0.18 710 MAPLE ST 48640 RB 14-15-60-126 0.18 710 MAPLE ST 48640 RB 14-15-60-120 0.18 700 MAPLE ST 48640 RB 14-15-60-130 0.18 700 MAPLE ST 48640 RB 14-15-60-134 0.25 614 MAPLE ST 48640 RB 14-15-60-136 0.26 610 MAPLE ST 48640 RB 14-15-60-140 0.18 602 MAPLE ST 48640 RB 14-15-60-140 0.18 <td< td=""><td></td><td>48640</td><td>RB</td><td>14-15-60-108</td><td></td></td<>		48640	RB	14-15-60-108	
1401 MICHIGAN ST 48640 RB 14-15-60-112 0.20 806 MAPLE ST 48640 RB 14-15-60-120 0.18 802 MAPLE ST 48640 RB 14-15-60-122 0.18 722 MAPLE ST 48640 RB 14-15-60-122 0.18 718 MAPLE ST 48640 RB 14-15-60-126 0.18 714 MAPLE ST 48640 RB 14-15-60-126 0.18 710 MAPLE ST 48640 RB 14-15-60-130 0.18 700 MAPLE ST 48640 RB 14-15-60-130 0.18 700 MAPLE ST 48640 RB 14-15-60-132 0.18 700 MAPLE ST 48640 RB 14-15-60-134 0.25 610 MAPLE ST 48640 RB 14-15-60-136 0.26 610 MAPLE ST 48640 RB 14-15-60-136 0.26 610 MAPLE ST 48640 RB 14-15-60-140 0.18 514 MAPLE ST 48640 RB 14-15-60-140 0.18 515					
806 MAPLE ST 48640 RB 14-15-60-120 0.18 802 MAPLE ST 48640 RB 14-15-60-122 0.18 722 MAPLE ST 48640 RB 14-15-60-124 0.18 718 MAPLE ST 48640 RB 14-15-60-126 0.18 714 MAPLE ST 48640 RB 14-15-60-128 0.18 710 MAPLE ST 48640 RB 14-15-60-130 0.18 706 MAPLE ST 48640 RB 14-15-60-130 0.18 700 MAPLE ST 48640 RB 14-15-60-130 0.18 700 MAPLE ST 48640 RB 14-15-60-132 0.18 614 MAPLE ST 48640 RB 14-15-60-134 0.25 610 MAPLE ST 48640 RB 14-15-60-136 0.26 610 MAPLE ST 48640 RB 14-15-60-136 0.26 610 MAPLE ST 48640 RB 14-15-60-140 0.18 510 MAPLE ST 48640 RB 14-15-60-140 0.18 510 MAPLE ST 48640 RB 14-15-60-144 0.18 510 M		48640			
802 MAPLE ST 48640 RB 14-15-60-122 0.18 722 MAPLE ST 48640 RB 14-15-60-124 0.18 718 MAPLE ST 48640 RB 14-15-60-126 0.18 714 MAPLE ST 48640 RB 14-15-60-128 0.18 710 MAPLE ST 48640 RB 14-15-60-130 0.18 706 MAPLE ST 48640 RB 14-15-60-132 0.18 700 MAPLE ST 48640 RB 14-15-60-132 0.18 700 MAPLE ST 48640 RB 14-15-60-134 0.25 614 MAPLE ST 48640 RB 14-15-60-134 0.25 614 MAPLE ST 48640 RB 14-15-60-138 0.18 606 MAPLE ST 48640 RB 14-15-60-138 0.18 602 MAPLE ST 48640 RB 14-15-60-140 0.18 514 MAPLE ST 48640 RB 14-15-60-144 0.18 510 MAPLE ST 48640 RB 14-15-60-144 0.18 510 MAPLE ST 48640 RB 14-15-60-146 0.18 506 M					
722 MAPLE ST 48640 RB 14-15-60-124 0.18 718 MAPLE ST 48640 RB 14-15-60-126 0.18 714 MAPLE ST 48640 RB 14-15-60-128 0.18 710 MAPLE ST 48640 RB 14-15-60-130 0.18 700 MAPLE ST 48640 RB 14-15-60-132 0.18 700 MAPLE ST 48640 RB 14-15-60-134 0.25 614 MAPLE ST 48640 RB 14-15-60-134 0.25 610 MAPLE ST 48640 RB 14-15-60-136 0.26 610 MAPLE ST 48640 RB 14-15-60-138 0.18 606 MAPLE ST 48640 RB 14-15-60-140 0.18 602 MAPLE ST 48640 RB 14-15-60-140 0.18 510 MAPLE ST 48640 RB 14-15-60-144 0.18 510 MAPLE ST 48640 RB 14-15-60-144 0.18 506 MAPLE ST 48640 RB 14-15-60-146 0.18 510 E H	802 MAPLE ST	48640	RB	14-15-60-122	0.18
718 MAPLE ST 48640 RB 14-15-60-126 0.18 714 MAPLE ST 48640 RB 14-15-60-128 0.18 710 MAPLE ST 48640 RB 14-15-60-130 0.18 706 MAPLE ST 48640 RB 14-15-60-132 0.18 700 MAPLE ST 48640 RB 14-15-60-134 0.25 614 MAPLE ST 48640 RB 14-15-60-136 0.26 610 MAPLE ST 48640 RB 14-15-60-136 0.26 610 MAPLE ST 48640 RB 14-15-60-138 0.18 602 MAPLE ST 48640 RB 14-15-60-140 0.18 514 MAPLE ST 48640 RB 14-15-60-142 0.18 510 MAPLE ST 48640 RB 14-15-60-144 0.18 510 MAPLE ST 48640 RB 14-15-60-146 0.18 506 MAPLE ST 48640 RB 14-15-60-146 0.18 510 MAPLE ST 48640 RB 14-15-60-146 0.18 510 MAP		48640	RB		0.18
714 MAPLE ST 48640 RB 14-15-60-128 0.18 710 MAPLE ST 48640 RB 14-15-60-130 0.18 706 MAPLE ST 48640 RB 14-15-60-132 0.18 700 MAPLE ST 48640 RB 14-15-60-134 0.25 614 MAPLE ST 48640 RB 14-15-60-136 0.26 610 MAPLE ST 48640 RB 14-15-60-136 0.26 610 MAPLE ST 48640 RB 14-15-60-140 0.18 606 MAPLE ST 48640 RB 14-15-60-140 0.18 602 MAPLE ST 48640 RB 14-15-60-140 0.18 514 MAPLE ST 48640 RB 14-15-60-144 0.18 510 MAPLE ST 48640 RB 14-15-60-144 0.18 510 MAPLE ST 48640 RB 14-15-60-146 0.18 501 E HALEY ST 48640 RB 14-15-60-150 0.24 501 E HALEY ST 48640 RB 14-15-60-152 0.24 513	718 MAPLE ST	48640	RB		
710 MAPLE ST 48640 RB 14-15-60-130 0.18 706 MAPLE ST 48640 RB 14-15-60-132 0.18 700 MAPLE ST 48640 RB 14-15-60-134 0.25 614 MAPLE ST 48640 RB 14-15-60-136 0.26 610 MAPLE ST 48640 RB 14-15-60-138 0.18 606 MAPLE ST 48640 RB 14-15-60-140 0.18 602 MAPLE ST 48640 RB 14-15-60-140 0.18 514 MAPLE ST 48640 RB 14-15-60-142 0.18 510 MAPLE ST 48640 RB 14-15-60-144 0.18 510 MAPLE ST 48640 RB 14-15-60-146 0.18 506 MAPLE ST 48640 RB 14-15-60-146 0.18 510 MAPLE ST 48640 RB 14-15-60-146 0.18 511 E HALEY ST 48640 RB 14-15-60-150 0.24 501 E HALEY ST 48640 RB 14-15-60-156 0.18 513	714 MAPLE ST	48640		14-15-60-128	
706 MAPLE ST 48640 RB 14-15-60-132 0.18 700 MAPLE ST 48640 RB 14-15-60-134 0.25 614 MAPLE ST 48640 RB 14-15-60-136 0.26 610 MAPLE ST 48640 RB 14-15-60-138 0.18 606 MAPLE ST 48640 RB 14-15-60-140 0.18 602 MAPLE ST 48640 RB 14-15-60-142 0.18 514 MAPLE ST 48640 RB 14-15-60-142 0.18 510 MAPLE ST 48640 RB 14-15-60-144 0.18 510 MAPLE ST 48640 RB 14-15-60-146 0.18 506 MAPLE ST 48640 RB 14-15-60-146 0.18 506 MAPLE ST 48640 RB 14-15-60-146 0.18 506 MAPLE ST 48640 RB 14-15-60-150 0.24 501 E HALEY ST 48640 RB 14-15-60-150 0.24 502 E HALEY ST 48640 RB 14-15-60-156 0.18 513	710 MAPLE ST	48640			
700 MAPLE ST 48640 RB 14-15-60-134 0.25 614 MAPLE ST 48640 RB 14-15-60-136 0.26 610 MAPLE ST 48640 RB 14-15-60-138 0.18 606 MAPLE ST 48640 RB 14-15-60-140 0.18 602 MAPLE ST 48640 RB 14-15-60-142 0.18 514 MAPLE ST 48640 RB 14-15-60-144 0.18 510 MAPLE ST 48640 RB 14-15-60-144 0.18 510 MAPLE ST 48640 RB 14-15-60-146 0.18 506 MAPLE ST 48640 RB 14-15-60-146 0.18 506 MAPLE ST 48640 RB 14-15-60-146 0.18 501 E HALEY ST 48640 RB 14-15-60-150 0.24 501 E HALEY ST 48640 RB 14-15-60-150 0.24 505 E HALEY ST 48640 RB 14-15-60-152 0.24 505 E HALEY ST 48640 RB 14-15-60-156 0.18 607 E HALEY ST 48640 RB 14-15-60-160 0.18			RB	14-15-60-132	
614 MAPLE ST 48640 RB 14-15-60-136 0.26 610 MAPLE ST 48640 RB 14-15-60-138 0.18 606 MAPLE ST 48640 RB 14-15-60-140 0.18 602 MAPLE ST 48640 RB 14-15-60-142 0.18 514 MAPLE ST 48640 RB 14-15-60-144 0.18 510 MAPLE ST 48640 RB 14-15-60-146 0.18 506 MAPLE ST 48640 RB 14-15-60-146 0.18 506 MAPLE ST 48640 RB 14-15-60-146 0.18 506 MAPLE ST 48640 RB 14-15-60-148 0.18 501 E HALEY ST 48640 RB 14-15-60-150 0.24 501 E HALEY ST 48640 RB 14-15-60-152 0.24 511 E HALEY ST 48640 RB 14-15-60-154 0.18 513 E HALEY ST 48640 RB 14-15-60-156 0.18 605 E HALEY ST 48640 RB 14-15-60-160 0.18 605 E HALEY ST 48640 RB 14-15-60-160 0.27			RB		
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506 MAPLE ST 48640 RB 14-15-60-148 0.18 2014 BAYLISS ST 48640 RB 14-15-60-150 0.24 501 E HALEY ST 48640 RB 14-15-60-152 0.24 505 E HALEY ST 48640 RB 14-15-60-154 0.18 511 E HALEY ST 48640 RB 14-15-60-156 0.18 513 E HALEY ST 48640 RB 14-15-60-158 0.18 607 E HALEY ST 48640 RB 14-15-60-160 0.18 605 E HALEY ST 48640 RB 14-15-60-162 0.18 609 E HALEY ST 48640 RB 14-15-60-164 0.18 613 E HALEY ST 48640 RB 14-15-60-166 0.27 701 E HALEY ST 48640 RB 14-15-60-168 0.22 705 E HALEY ST 48640 RB 14-15-60-170 0.22 709 E HALEY ST 48640 RB 14-15-60-172 0.18 713 E HALEY ST 48640 RB 14-15-60-176 0.18 719 E HALEY ST 48640 RB 14-15-60-176 0.18 <					
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501 E HALEY ST 48640 RB 14-15-60-152 0.24 505 E HALEY ST 48640 RB 14-15-60-154 0.18 511 E HALEY ST 48640 RB 14-15-60-156 0.18 513 E HALEY ST 48640 RB 14-15-60-158 0.18 607 E HALEY ST 48640 RB 14-15-60-160 0.18 605 E HALEY ST 48640 RB 14-15-60-162 0.18 609 E HALEY ST 48640 RB 14-15-60-164 0.18 613 E HALEY ST 48640 RB 14-15-60-166 0.27 701 E HALEY ST 48640 RB 14-15-60-168 0.22 705 E HALEY ST 48640 RB 14-15-60-170 0.22 709 E HALEY ST 48640 RB 14-15-60-172 0.18 713 E HALEY ST 48640 RB 14-15-60-174 0.18 719 E HALEY ST 48640 RB 14-15-60-176 0.18 801 E HALEY ST 48640 RB 14-15-60-180 0.18 805 E HALEY ST 48640 RB 14-15-60-182 0.18	2014 BAYLISS ST	48640			
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605 E HALEY ST 48640 RB 14-15-60-162 0.18 609 E HALEY ST 48640 RB 14-15-60-164 0.18 613 E HALEY ST 48640 RB 14-15-60-166 0.27 701 E HALEY ST 48640 RB 14-15-60-168 0.22 705 E HALEY ST 48640 RB 14-15-60-170 0.22 709 E HALEY ST 48640 RB 14-15-60-172 0.18 713 E HALEY ST 48640 RB 14-15-60-174 0.18 717 E HALEY ST 48640 RB 14-15-60-176 0.18 719 E HALEY ST 48640 RB 14-15-60-178 0.18 801 E HALEY ST 48640 RB 14-15-60-180 0.18 805 E HALEY ST 48640 RB 14-15-60-182 0.18 809 E HALEY ST 48640 RB 14-15-60-182 0.18					
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805 E HALEY ST 48640 RB 14-15-60-182 0.18 809 E HALEY ST 48640 RB 14-15-60-184 0.19					
809 E HALEY ST 48640 RB 14-15-60-184 0.19					
	813 E HALEY ST	48640		14-15-60-186	0.18

THE BOW CH	I Cilical Coll	ipany, iv	iichigan Operati	J
	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
817 E HALEY ST	48640	RB	14-15-60-188	0.16
1402 MICHIGAN ST	48640	RB	14-15-60-190	0.22
1220 MICHIGAN ST	48640	RB	14-15-60-194	0.30
1212 MICHIGAN ST	48640	RB	14-15-60-196	0.25
714 WALNUT ST	48640	RB	14-15-60-198	0.23
706 WALNUT ST	48640	RB	14-15-60-200	0.23
702 WALNUT ST	48640	RB	14-15-60-202	0.18
618 WALNUT ST	48640	RB	14-15-60-204	0.18
614 WALNUT ST	48640	RB	14-15-60-206	0.21
610 WALNUT ST	48640	RB	14-15-60-208	0.21
606 WALNUT ST	48640	RB	14-15-60-210	0.21
602 WALNUT ST	48640	RB	14-15-60-212	0.21
510 WALNUT ST	48640	RB	14-15-60-214	0.22
506 WALNUT ST	48640	RB	14-15-60-216	0.23
2116 BAYLISS ST	48640	RB	14-15-60-218	0.21
2102 BAYLISS ST	48640	RB	14-15-60-220	0.21
505 MAPLE ST	48640	RB	14-15-60-222	0.19
511 MAPLE ST	48640	RB	14-15-60-224	0.18
515 MAPLE ST	48640	RB	14-15-60-226	0.20
601 MAPLE ST	48640	RB	14-15-60-228	0.19
605 MAPLE ST	48640	RB	14-15-60-230	0.18
609 MAPLE ST	48640	RB	14-15-60-232	0.18
615 MAPLE ST	48640	RB	14-15-60-234	0.18
617 MAPLE ST	48640	RB	14-15-60-236	0.18
701 MAPLE ST	48640	RB	14-15-60-238	0.18
705 MAPLE ST	48640	RB	14-15-60-240	0.18
709 MAPLE ST	48640	RB	14-15-60-242	0.18
717 MAPLE ST	48640	RB	14-15-60-244	0.18
719 MAPLE ST	48640	RB	14-15-60-246	0.18
705 WALNUT ST	48640	RB	14-15-60-250	0.29
1102 MICHIGAN ST	48640	RB	14-15-60-252	0.33
614 CHERRY ST	48640	RB	14-15-60-256	0.15
606 CHERRY ST	48640	RB	14-15-60-258	0.33
502 CHERRY ST	48640	RB	14-15-60-270	1.58
513 WALNUT ST	48640	RB	14-15-60-278	0.21
601 WALNUT ST	48640	RB	14-15-60-280	0.20
609 WALNUT ST	48640	RB	14-15-60-282	0.20
613 WALNUT ST	48640	RB	14-15-60-284	0.21
617 WALNUT ST	48640	RB	14-15-60-286	0.20
701 WALNUT ST	48640	RB	14-15-60-288	0.20
1000 MICHIGAN ST	48640	RB	14-15-60-292	0.20
514 EASTLAWN DR	48640	RB	14-15-60-294	0.18
512 EASTLAWN DR	48640	RB	14-15-60-296	0.18
504 EASTLAWN DR	48640	RB	14-15-60-298	0.22
502 EASTLAWN DR	48640	RB	14-15-60-300	0.24
505 CHERRY ST	48640	RB	14-15-60-304	0.39
511 CHERRY ST	48640	RB	14-15-60-306	0.18
601 CHERRY ST	48640	RB	14-15-60-310	0.37

THE BOW CH	I Con	ipany, iv	ııcnıgan Operati	
	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
605 CHERRY ST	48640	RB	14-15-60-312	0.35
413 CHERRY ST	48640	RB	14-15-60-314	0.18
2307 BAYLISS ST	48640	RB	14-15-60-316	0.21
412 EASTLAWN DR	48640	RB	14-15-60-320	0.33
406 EASTLAWN DR	48640	RB	14-15-60-324	0.21
404 EASTLAWN DR	48640	RB	14-15-60-326	0.21
400 EASTLAWN DR	48640	RB	14-15-60-328	0.21
312 EASTLAWN DR	48640	RB	14-15-60-330	0.21
308 EASTLAWN DR	48640	RB	14-15-60-332	0.21
304 EASTLAWN DR	48640	RB	14-15-60-334	0.21
300 EASTLAWN DR	48640	RB	14-15-60-336	0.21
218 EASTLAWN DR	48640	RB	14-15-60-338	0.21
214 EASTLAWN DR	48640	RB	14-15-60-340	0.18
210 EASTLAWN DR	48640	RB	14-15-60-342	0.18
2314 CLEVELAND AVE	48640	RB	14-15-60-344	0.17
2310 CLEVELAND AVE	48640	RB	14-15-60-346	0.17
2306 CLEVELAND AVE	48640	RB	14-15-60-348	0.18
2302 CLEVELAND AVE	48640	RB	14-15-60-350	0.28
2200 CLEVELAND AVE	48640	RB	14-15-60-360	4.64
211 CHERRYVIEW DR	48640	RB	14-15-60-362	1.95
213 CHERRYVIEW DR	48640	RB	14-15-60-364	0.02
215 CHERRYVIEW DR	48640	RB	14-15-60-366	0.02
217 CHERRYVIEW DR	48640	RB	14-15-60-368	0.02
219 CHERRYVIEW DR	48640	RB	14-15-60-370	0.02
221 CHERRYVIEW DR	48640	RB	14-15-60-372	0.02
223 CHERRYVIEW DR	48640	RB	14-15-60-374	0.02
225 CHERRYVIEW DR	48640	RB	14-15-60-376	0.03
301 CHERRYVIEW DR	48640	RB	14-15-60-378	0.02
303 CHERRYVIEW DR	48640	RB	14-15-60-380	0.02
305 CHERRYVIEW DR	48640	RB	14-15-60-382	0.02
307 CHERRYVIEW DR	48640	RB	14-15-60-384	0.02
309 CHERRYVIEW DR	48640	RB	14-15-60-386	0.02
311 CHERRYVIEW DR	48640	RB	14-15-60-388	0.02
313 CHERRYVIEW DR	48640	RB	14-15-60-390	0.02
315 CHERRYVIEW DR	48640	RB	14-15-60-392	0.02
321 CHERRYVIEW DR	48640	RB	14-15-60-394	0.02
323 CHERRYVIEW DR	48640	RB	14-15-60-396	0.02
325 CHERRYVIEW DR	48640	RB	14-15-60-398	0.02
327 CHERRYVIEW DR	48640	RB	14-15-60-400	0.02
329 CHERRYVIEW DR	48640	RB	14-15-60-402	0.02
331 CHERRYVIEW DR	48640	RB	14-15-60-404	0.02
333 CHERRYVIEW DR	48640	RB	14-15-60-406	0.02
335 CHERRYVIEW DR	48640	RB	14-15-60-408	0.02
401 CHERRYVIEW DR	48640	RB	14-15-60-412	0.02
403 CHERRYVIEW DR	48640	RB	14-15-60-414	0.02
405 CHERRYVIEW DR	48640	RB	14-15-60-416	0.02
407 CHERRYVIEW DR	48640	RB	14-15-60-418	0.02
409 CHERRYVIEW DR	48640	RB	14-15-60-420	0.02

Table 9-2 Year 2 Property Information, Implementation Activities Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

THE BOW CH	I Contract Contract	ipany, iv	iichigan Operati	1
	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
411 CHERRYVIEW DR	48640	RB	14-15-60-422	0.02
413 CHERRYVIEW DR	48640	RB	14-15-60-424	0.02
415 CHERRYVIEW DR	48640	RB	14-15-60-426	0.03
2303 CLEVELAND AVE	48640	RB	14-15-60-430	0.15
2311 CLEVELAND AVE	48640	RB	14-15-60-432	0.30
2315 CLEVELAND AVE	48640	RB	14-15-60-436	0.14
114 EASTLAWN DR	48640	RB	14-15-60-438	0.21
2318 JEFFERSON AVE	48640	RB	14-15-60-440	0.22
2314 JEFFERSON AVE	48640	RB	14-15-60-442	0.12
2310 JEFFERSON AVE	48640	RB	14-15-60-444	0.15
2306 JEFFERSON AVE	48640	RB	14-15-60-446	0.15
2302 JEFFERSON AVE	48640	RB	14-15-60-448	0.15
2218 JEFFERSON AVE	48640	RB	14-15-60-450	0.22
2214 JEFFERSON AVE	48640	RB	14-15-60-452	0.17
2212 JEFFERSON AVE	48640	RB	14-15-60-454	0.17
2210 JEFFERSON AVE	48640	RB	14-15-60-456	0.17
2202 JEFFERSON AVE	48640	RB	14-15-60-458	0.17
2120 JEFFERSON AVE	48640	RB	14-15-60-460	0.17
2118 JEFFERSON AVE	48640	RB	14-15-60-462	0.17
2112 JEFFERSON AVE	48640	RB	14-15-60-464	0.17
2114 JEFFERSON AVE	48640	RB	14-15-60-466	0.17
	48640	RB	14-15-60-468	0.17
2024 JEFFERSON AVE 2020 JEFFERSON AVE	48640	RB	14-15-60-470	0.14
2018 JEFFERSON AVE	48640	RB	14-15-60-470	0.16
2016 JEFFERSON AVE	48640	RB	14-15-60-472	0.16
2010 JEFFERSON AVE	48640	RB	14-15-60-476	0.16
				<u> </u>
2006 JEFFERSON AVE 2002 JEFFERSON AVE	48640	RB OS	14-15-60-478 14-15-60-480	0.18 0.14
	48640		14-15-60-480	<u> </u>
111 E HALEY ST	48640	RB		0.16
115 E HALEY ST	48640	RB	14-15-60-484	0.16
2011 CLEVELAND AVE	48640	RB	14-15-60-486	0.16
2013 CLEVELAND AVE	48640	RB	14-15-60-488	0.16
2017 CLEVELAND AVE	48640	RB	14-15-60-490	0.16 4.06
2100 CLEVELAND AVE	48640	RB	14-15-60-492	
2018 CLEVELAND AVE	48640	RB	14-15-60-500	0.24
2012 CLEVELAND AVE	48640	RB	14-15-60-502	0.23
2006 CLEVELAND AVE	48640	RB	14-15-60-504	0.17
205 E HALEY ST	48640	RB	14-15-60-506	0.19
207 E HALEY ST	48640	RB	14-15-60-508	0.19
215 E HALEY ST	48640	RB	14-15-60-510	0.17
217 E HALEY ST	48640	RB	14-15-60-512	0.17
219 E HALEY ST	48640	RB	14-15-60-514	0.17
301 E HALEY ST	48640	RB	14-15-60-516	0.17
305 E HALEY ST	48640	RB	14-15-60-518	0.17
309 E HALEY ST	48640	RB	14-15-60-522	0.33
401 E HALEY ST	48640	RB	14-15-60-524	0.14
405 E HALEY ST	48640	RB	14-15-60-526	0.14
409 E HALEY ST	48640	RB	14-15-60-528	0.57

Table 9-2 Year 2 Property Information, Implementation Activities Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
411 E HALEY ST	48640	RB	14-15-60-530	0.16
2007 BAYLISS ST	48640	RB	14-15-60-532	0.32
2017 BAYLISS ST	48640	RB	14-15-60-536	0.19
418 MAPLE ST	48640	RB	14-15-60-538	0.24
400 MAPLE ST	48640	RB	14-15-60-544	0.17
314 MAPLE ST	48640	RB	14-15-60-546	0.20
312 MAPLE ST	48640	RB	14-15-60-548	0.20
306 MAPLE ST	48640	RB	14-15-60-550	0.20
302 MAPLE ST	48640	RB	14-15-60-552	0.40
218 MAPLE ST	48640	RB	14-15-60-556	0.20
214 MAPLE ST	48640	RB	14-15-60-558	0.20
206 MAPLE ST	48640	RB	14-15-60-560	0.20
2101 BAYLISS ST 11	48640	RB	14-15-60-601	5.13
2117 BAYLISS ST	48640	RB	14-15-60-647	0.02
2115 BAYLISS ST	48640	RB	14-15-60-648	0.02
2113 BAYLISS ST	48640	RB	14-15-60-649	0.02
2111 BAYLISS ST	48640	RB	14-15-60-650	0.02
2109 BAYLISS ST	48640	RB	14-15-60-651	0.02
2107 BAYLISS ST	48640	RB	14-15-60-652	0.02
2105 BAYLISS ST	48640	RB	14-15-60-653	0.02
2103 BAYLISS ST	48640	RB	14-15-60-654	0.02
309 MAPLE ST	48640	RB	14-15-60-660	2.81
1002 RODD ST	48640	RA4	14-16-30-100	0.11
1004 RODD ST	48640	RA4	14-16-30-102	0.11
1006 RODD ST	48640	RA4	14-16-30-104	0.11
1008 RODD ST	48640	RA4	14-16-30-106	0.11
1014 RODD ST	48640	RA4	14-16-30-108	0.11
1016 RODD ST	48640	RA4	14-16-30-110	0.11
502 E CARPENTER ST	48640	RB	14-16-30-148	0.17
500 E CARPENTER ST	48640	RB	14-16-30-150	0.17
1016 TOWNSEND ST	48640	RB	14-16-30-152	0.17
1012 TOWNSEND ST	48640	RB	14-16-30-154	0.17
401 E HINES ST	48640	RB	14-16-30-156	0.18
405 E HINES ST	48640	RB	14-16-30-158	0.15
409 E HINES ST	48640	RB	14-16-30-160	0.17
415 E HINES ST	48640	RB	14-16-30-162	0.17
1001 TOWNSEND ST	48640	RB	14-16-30-168	0.14
1005 TOWNSEND ST	48640	RB	14-16-30-170	0.15
1009 TOWNSEND ST	48640	RB	14-16-30-172	0.15
1013 TOWNSEND ST	48640	RB	14-16-30-174	0.11
1015 TOWNSEND ST	48640	RB	14-16-30-176	0.06
506 E CARPENTER ST	48640	RB	14-16-40-330	0.19
504 E CARPENTER ST	48640	RB	14-16-40-332	0.18
411 E HINES ST	48640	RC	14-16-40-334	1.19
406 E HINES ST	48640	IA	14-16-40-350	1.18
402 E HINES ST	48640	IA	14-16-40-364	0.33
802 TOWNSEND ST	48640	IA	14-16-40-368	0.19
800 TOWNSEND ST	48640	IA	14-16-40-372	1.06

Table 9-2 Year 2 Property Information, Implementation Activities Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
805 GEORGE ST	48640	IA	14-16-40-380	0.65
803 STATE ST	48640	RB	14-16-40-512	1.56
815 STATE ST	48640	RB	14-16-40-540	1.30
600 E CARPENTER ST	48640	RB	14-16-40-574	3.41
803 TOWNSEND ST	48640	MULT	14-16-60-030	1.53
2710 PARSONS CT	48642	RB	14-23-30-366	0.49
2706 PARSONS CT	48642	RB	14-23-30-368	0.51
2700 PARSONS CT	48642	RB	14-23-30-376	0.19
2704 PARSONS CT	48642	RB	14-23-30-378	0.25
2614 PARSONS CT	48642	RB	14-23-30-380	0.72
2610 PARSONS CT	48642	RB	14-23-30-384	0.72
2604 PARSONS CT	48642	RB	14-23-30-388	0.19
2600 PARSONS CT	48642	RB	14-23-30-390	0.23
2602 PARSONS CT	48642	RB	14-23-30-394	0.54
2516 PARSONS CT	48642	RB	14-23-30-398	0.48
310 SAM ST	48642	RB	14-23-30-400	0.13
2504 PARSONS CT	48642	RB	14-23-30-404	1.09
320 SAM ST	48642	RB	14-23-30-406	0.33
2505 PARSONS CT	48642	RB	14-23-30-412	0.43
2509 PARSONS CT	48642	RB	14-23-30-414	0.43
2513 PARSONS CT	48642	RB	14-23-30-416	0.43
333 DICK ST	48642	RB	14-23-30-418	0.27
345 DICK ST	48642	RB	14-23-30-420	0.57
351 DICK ST	48642	RB	14-23-30-426	0.62
2600 CHARLES ST	48642	RB	14-23-30-428	0.43
2520 CHARLES ST	48642	RB	14-23-30-430	0.43
2502 CHARLES ST	48642	RB	14-23-30-432	0.43
334 SAM ST	48642	RB	14-23-30-434	0.39
342 SAM ST	48642	RB	14-23-30-436	0.20
348 SAM ST	48642	RB	14-23-30-438	0.20
400 SAM ST	48642	RB	14-23-30-442	0.37
410 SAM ST	48642	RB	14-23-30-446	0.51
2620 BAY CITY RD	48642	RB	14-23-30-460	1.01
2600 BAY CITY RD	48642	RB	14-23-30-462	1.71
2524 BAY CITY RD	48642	RB	14-23-30-466	0.62
2514 BAY CITY RD	48642	RB	14-23-30-468	1.40
2504 BAY CITY RD	48642	RB	14-23-30-472	0.32
418 SAM ST	48642	RB	14-23-30-474	0.19

Notes: ¹ All Properties are within the City of Midland, MI

Zoning Codes:

CC = Community Commercial

COM = Community

D = Downtown District

IA = Industrial

MULT = Indicates that there is more than one zoning classification for that parcel

NC = Neighborhood Commercial

OS = Office Space

The Dow Chemical Cor	T	Property ID	Property
Property Address ¹	Zoning	Number	Acreage
2313 Swede Ave	RA-3	14-15-30-002	0.24
1614 Eastlawn Dr	RA-3	14-15-30-004	0.24
1610 Eastlawn Dr	RA-3	14-15-30-006	0.22
1604 Eastlawn Dr	RA-3	14-15-30-008	0.22
1600 Eastlawn Dr	RA-3	14-15-30-010	0.19
1514 Eastlawn Dr	RA-3	14-15-30-012	0.26
1508 Eastlawn Dr	RA-3	14-15-30-014	0.19
1504 Eastlawn Dr	RA-3	14-15-30-016	0.21
1500 Eastlawn Dr	RA-3	14-15-30-018	0.21
1418 Eastlawn Dr	RA-3	14-15-30-020	0.22
1414 Eastlawn Dr	RA-3	14-15-30-022	0.23
1408 Eastlawn Dr	RA-3	14-15-30-024	0.21
1400 Eastlawn Dr	RA-3	14-15-30-026	0.24
1318 Eastlawn Dr	RA-3	14-15-30-028	0.26
1314 Eastlawn Dr	RA-3	14-15-30-030	0.19
1310 Eastlawn Dr	RA-3	14-15-30-032	0.19
2316 Carolina St	RA-3	14-15-30-034	0.21
2312 Carolina St	RA-3	14-15-30-036	0.21
2302 Carolina St	RA-3	14-15-30-038	0.22
1305 Ohio St	RA-3	14-15-30-040	0.19
1309 Ohio St	RA-3	14-15-30-042	0.19
1313 Ohio St	RA-3	14-15-30-044	0.19
1317 Ohio St	RA-3	14-15-30-046	0.19
1401 Ohio St	RA-3	14-15-30-048	0.19
1405 Ohio St	RA-3	14-15-30-050	0.19
1409 Ohio St	RA-3	14-15-30-052	0.19
1413 Ohio St	RA-3	14-15-30-054	0.21
1417 Ohio St	RA-3	14-15-30-056	0.18
1501 Ohio St	RA-3	14-15-30-058	0.20
1505 Ohio St	RA-3	14-15-30-060	0.20
1509 Ohio St	RA-3	14-15-30-062	0.20
1513 Ohio St	RA-3	14-15-30-064	0.20
1517 Ohio St	RA-3	14-15-30-066	0.19
1601 Ohio St	RA-3	14-15-30-068	0.19
1605 Ohio St	RA-3	14-15-30-070	0.19
1609 Ohio St	RA-3	14-15-30-072	0.19
1613 Ohio St	RA-3	14-15-30-074	0.19
1617 Ohio St	RA-3	14-15-30-076	0.19
1618 Ohio St	RA-3	14-15-30-080	0.18
1614 Ohio St	RA-3	14-15-30-082	0.18
2218 Tennessee St	RA-3	14-15-30-084	0.19

	T	Property ID	Property
Property Address ¹	Zoning	Number	Acreage
2214 Tennessee St	RA-3	14-15-30-086	0.17
2210 Tennessee St	RA-3	14-15-30-088	0.17
2206 Tennessee St	RA-3	14-15-30-088	0.17
	RA-3		
2202 Tennessee St	RA-3	14-15-30-092	0.17
2118 Tennessee St 2114 Tennessee St	RA-3	14-15-30-094	0.17 0.17
	RA-3	14-15-30-096 14-15-30-098	
2110 Tennessee St	RA-3		0.17 0.17
2106 Tennessee St	+	14-15-30-100	
2102 Tennessee St	RA-3	14-15-30-102	0.19
1617 Maryland St	RA-3	14-15-30-104	0.19
2109 Swede Ave - DU A	RA-3	14-15-30-106A	0.16
2109 Swede Ave - DU B	RA-3	14-15-30-106B	0.17
2115 Swede Ave	RA-3	14-15-30-110	0.17
2121 Swede Ave	RA-3	14-15-30-112	0.17
2201 Swede Ave	RA-3	14-15-30-114	0.25
2209 Swede Ave	RA-3	14-15-30-120	0.25
1510 Ohio St	RA-3	14-15-30-124	0.19
1506 Ohio St	RA-3	14-15-30-126	0.19
1502 Ohio St	RA-3	14-15-30-128	0.18
1418 Ohio St	RA-3	14-15-30-130	0.18
1414 Ohio St	RA-3	14-15-30-132	0.19
1410 Ohio St	RA-3	14-15-30-134	0.19
2220 Kentucky St	RA-3	14-15-30-136	0.19
2216 Kentucky St	RA-3	14-15-30-138	0.17
2212 Kentucky St	RA-3	14-15-30-140	0.17
2210 Kentucky St	RA-3	14-15-30-142	0.17
2202 Kentucky St	RA-3	14-15-30-144	0.15
2118 Kentucky St	RA-3	14-15-30-146	0.15
2114 Kentucky St	RA-3	14-15-30-148	0.17
2110 Kentucky St	RA-3	14-15-30-150	0.17
2106 Kentucky St	RA-3	14-15-30-152	0.17
1407 Maryland St	RA-3	14-15-30-154	0.19
1411 Maryland St	RA-3	14-15-30-156	0.19
1415 Maryland St	RA-3	14-15-30-158	0.19
1417 Maryland St	RA-3	14-15-30-160	0.18
1501 Maryland St	RA-3	14-15-30-162	0.18
1507 Maryland St	RA-3	14-15-30-164	0.19
1519 Maryland St	RA-3	14-15-30-166	0.19
2101 Tennessee St	RA-3	14-15-30-168	0.19
2105 Tennessee St	RA-3	14-15-30-170	0.17
2109 Tennessee St	RA-3	14-15-30-172	0.17

The Dow Chemical Col	T 7	Property ID	1
Property Address ¹	Zoning	Number	Property Acreage
2113 Tennessee St	Zoning RA-3	14-15-30-174	0.17
	+		
2117 Tennessee St	RA-3	14-15-30-176	0.15
1421 Maryland St - DU A	RA-3	14-15-30-180A	0.89
1421 Maryland St - DU B	RA-3	14-15-30-180B	0.91
1421 Maryland St - DU C	RA-3	14-15-30-180C	0.96
1421 Maryland St - DU D	RA-3	14-15-30-180D	0.94
1421 Maryland St - DU E	RA-3	14-15-30-180E	0.04
2201 Tennessee St	RA-3	14-15-30-184	0.15
2205 Tennessee St	RA-3	14-15-30-186	0.17
2209 Tennessee St	RA-3	14-15-30-188	0.17
2213 Tennessee St	RA-3	14-15-30-190	0.17
2217 Tennessee St	RA-3	14-15-30-192	0.19
1314 Ohio St	RA-3	14-15-30-194	0.18
1310 Ohio St	RA-3	14-15-30-196	0.18
1306 Ohio St	RA-3	14-15-30-198	0.19
2214 Carolina St	RA-3	14-15-30-200	0.17
2210 Carolina St	RA-3	14-15-30-202	0.17
2206 Carolina St	RA-3	14-15-30-204	0.17
2202 Carolina St	RA-3	14-15-30-206	0.17
2118 Carolina St	RA-3	14-15-30-208	0.17
2114 Carolina St	RA-3	14-15-30-210	0.17
2110 Carolina St	RA-3	14-15-30-212	0.17
2106 Carolina St	RA-3	14-15-30-214	0.17
1309 Maryland St	RA-3	14-15-30-216	0.19
2101 Kentucky St	RA-3	14-15-30-218	0.19
2109 Kentucky St	RA-3	14-15-30-220	0.17
2113 Kentucky St	RA-3	14-15-30-222	0.17
2117 Kentucky St	RA-3	14-15-30-224	0.17
2121 Kentucky St	RA-3	14-15-30-226	0.17
2203 Kentucky St	RA-3	14-15-30-228	0.17
2207 Kentucky St	RA-3	14-15-30-230	0.17
2211 Kentucky St	RA-3	14-15-30-232	0.17
2014 Carolina St	RA-3	14-15-30-236	0.17
2010 Carolina St	RA-3	14-15-30-238	0.17
2004 Carolina St	RA-3	14-15-30-240	0.17
1307 E Haley St	RA-3	14-15-30-242	0.14
1309 E Haley St	RA-3	14-15-30-244	0.19
1317 E Haley St	RA-3	14-15-30-246	0.17
1321 E Haley St	RA-3	14-15-30-248	0.14
1401 E Haley St	RA-3	14-15-30-250	0.18
1407 E Haley St	RA-3	14-15-30-252	0.17

The Dow Chemical Con	1	Property ID	
Property Address ¹	Zoning	Number	Property Acreage
1409 E Haley St	RA-3	14-15-30-254	0.18
1415 E Haley St	RA-3	14-15-30-254	0.18
1419 E Haley St	RA-3	14-15-30-258	0.18
1501 E Haley St	RA-3	14-15-30-258	0.18
•	_		
1505 E Haley St 1509 E Haley St	RA-3	14-15-30-262	0.18 0.18
	RA-3	14-15-30-264 14-15-30-266	
1513 E Haley St	RA-3		0.18 0.17
1517 E Haley St	RA-3	14-15-30-268	0.17
1601 E Haley St	+	14-15-30-270 14-15-30-272	0.17
1605 E Haley St	RA-3		
1609 E Haley St	RA-3 RA-3	14-15-30-274	0.17
1613 E Haley St		14-15-30-276	0.17
2003 Swede Ave	RA-3	14-15-30-278	0.17
2011 Swede Ave	RA-3	14-15-30-280	0.17
1614 Maryland St	RA-3	14-15-30-282	0.17
1610 Maryland St	RA-3	14-15-30-284	0.17
1606 Maryland St	RA-3	14-15-30-286	0.17
1602 Maryland St	RA-3	14-15-30-288	0.17
1518 Maryland St	RA-3	14-15-30-290	0.17
1514 Maryland St	RA-3	14-15-30-292	0.18
1510 Maryland St	RA-3	14-15-30-294	0.18
1506 Maryland St	RA-3	14-15-30-296	0.18
1502 Maryland St	RA-3	14-15-30-298	0.20
1418 Maryland St	RA-3	14-15-30-300	0.18
1414 Maryland St	RA-3	14-15-30-302	0.18
1410 Maryland St. DU A	RA-3	14-15-30-304	0.18
1406 Maryland St - DU A	RA-3	14-15-30-306A	0.17
1406 Maryland St - DU B	RA-3	14-15-30-306B	0.16
1318 Maryland St	RA-3	14-15-30-310	0.16
1314 Maryland St	RA-3	14-15-30-312	0.17
1310 Maryland St	RA-3	14-15-30-314	0.17
2009 Carolina St	RA-3	14-15-30-316	0.18
2013 Carolina St	RA-3	14-15-30-318	0.18
2017 Carolina St	RA-3	14-15-30-320	0.18
2103 Carolina St	RA-3	14-15-30-322	0.18
2107 Carolina St	RA-3	14-15-30-324	0.18
2111 Carolina St	RA-3	14-15-30-326	0.18
2115 Carolina St	RA-3	14-15-30-328	0.18
2119 Carolina St	RA-3	14-15-30-330	0.18
2201 Carolina St	RA-3	14-15-30-332	0.18
2205 Carolina St	RA-3	14-15-30-334	0.18

The bow chemical cor	T	Property ID	Property
Property Address ¹	Zoning	Number	Acreage
2209 Carolina St	Zoning RA-3	14-15-30-336	
2213 Carolina St	-		0.18
	RA-3	14-15-30-338	0.18
2217 Carolina St	RA-3	14-15-30-340	0.20
2221 Carolina St	RA-3	14-15-30-342	0.20
2303 Carolina St	RA-3	14-15-30-344	0.18
2307 Carolina St	RA-3	14-15-30-346	0.18
2311 Carolina St	RA-3	14-15-30-348	0.18
2315 Carolina St	RA-3	14-15-30-350	0.22
2316 Virginia St	RA-3	14-15-30-352	0.22
2312 Virginia St	RA-3	14-15-30-354	0.19
2308 Virginia St	RA-3	14-15-30-356	0.18
2306 Virginia St	RA-3	14-15-30-358	0.18
2302 Virginia St	RA-3	14-15-30-360	0.20
2218 Virginia St	RA-3	14-15-30-362	0.20
2214 Virginia St	RA-3	14-15-30-364	0.18
2212 Virginia St	RA-3	14-15-30-366	0.18
2206 Virginia St	RA-3	14-15-30-368	0.18
2204 Virginia St	RA-3	14-15-30-370	0.18
2120 Virginia St	RA-3	14-15-30-372	0.18
2114 Virginia St	RA-3	14-15-30-374	0.18
2112 Virginia St	RA-3	14-15-30-376	0.18
2106 Virginia St	RA-3	14-15-30-378	0.18
2102 Virginia St	RA-3	14-15-30-380	0.18
2020 Virginia St	RA-3	14-15-30-382	0.18
2014 Virginia St	RA-3	14-15-30-384	0.18
2010 Virginia St	RA-3	14-15-30-386	0.18
2004 Virginia St	RA-3	14-15-30-388	0.19
1205 E Haley St	RA-3	14-15-30-390	0.17
1209 E Haley St	RB	14-15-30-392	0.17
1213 E Haley St	RA-3	14-15-30-394	0.19
1125 E Haley St	RA-3	14-15-30-400	0.25
1129 E Haley St	RA-3	14-15-30-402	0.19
2009 Virginia St	RA-3	14-15-30-404	0.18
2013 Virginia St	RA-3	14-15-30-406	0.28
2103 Virginia St	RA-3	14-15-30-410	0.29
2107 Virginia St	RA-3	14-15-30-414	0.18
2115 Virginia St - DU A	RA-3	14-15-30-416A	0.11
2115 Virginia St - DU B	RA-3	14-15-30-416B	0.73
2207 Virginia St	RA-3	14-15-30-424	0.18
2209 Virginia St	RA-3	14-15-30-426	0.18
2215 Virginia St	RA-3	14-15-30-428	0.18

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
2217 Virginia St	RA-3	14-15-30-430	0.20
2301 Virginia St	RA-3	14-15-30-432	0.20
2305 Virginia St	RA-3	14-15-30-434	0.20
2307 Virginia St	RA-3	14-15-30-436	0.18
2311 Virginia St	RA-3	14-15-30-438	0.18
2315 Virginia St	RA-3	14-15-30-440	0.20
1024 Eastlawn Dr - DU A	RB	14-15-30-444A	1.17
1024 Eastlawn Dr - DU B	RB	14-15-30-444B	1.17
1010 Eastlawn Dr - DU B	RB	14-15-30-450B	1.62
1010 Eastlawn Dr - DU C	RB	14-15-30-450C	0.46
1000 Eastlawn & 1010 Eastlawn Dr	OS	14-15-30-496 14	1.16
2008 Wisconsin St - DU A		14-15-30-518A	0.53
2008 Wisconsin St - DU B	OS	14-15-30-518B	0.57
2008 Wisconsin St - DU C	OS	14-15-30-518C	1.13
2008 Wisconsin St - DU D	OS	14-15-30-518D	0.70
2008 Wisconsin St - DU E	OS	14-15-30-518E	1.07
2008 Wisconsin St - DU F	OS	14-15-30-518F	1.00
2410 Rodd St - DU A	RB	14-16-20-480A	0.35
2410 Rodd St - DU B	RB	14-16-20-480B	1.02
410 E Nelson St - DU A	СОМ	14-16-20-584A	0.70
410 E Nelson St - DU B	COM	14-16-20-584B	0.58
410 E Nelson St - DU C	COM	14-16-20-584C	0.43
410 E Nelson St - DU D	COM	14-16-20-584D	0.55
410 E Nelson St - DU E	COM	14-16-20-584E	1.32
410 E Nelson St - DU F	COM	14-16-20-584F	0.06
410 E Nelson St - DU G	СОМ	14-16-20-584G	1.22
410 E Nelson St - DU H	СОМ	14-16-20-584H	1.32
410 E Nelson St - DU I	СОМ	14-16-20-5841	1.94
410 E Nelson St - DU J	СОМ	14-16-20-584J	0.98
410 E Nelson St - DU K	СОМ	14-16-20-584K	1.24
410 E Nelson St - DU L	СОМ	14-16-20-584L	1.03
410 E Nelson St - DU M	СОМ	14-16-20-584M	0.81
410 E Nelson St - DU N	СОМ	14-16-20-584N	0.86
410 E Nelson St - DU O	СОМ	14-16-20-5840	0.88
505 E Carpenter St - DU A	RA-4	14-16-30-120A	1.24
505 E Carpenter St - DU B	RA-4	14-16-30-120B	1.28
505 E Carpenter St - DU C	RA-4	14-16-30-120C	0.68
505 E Carpenter St - DU D	RA-4	14-16-30-120D	1.19
1102 Rodd St	RA-4	14-16-30-180	0.17
1106 Rodd St	RA-4	14-16-30-182	0.21
1116 Rodd St	RA-4	14-16-30-184	0.29

The Dow Chemical Company, Michigan Operations			
Duran auto Addus as 1	7	Property ID	Property
Property Address ¹	Zoning	Number	Acreage
305 E Reardon St - DU A	COM	14-16-30-200A	20.64
305 E Reardon St - DU B	СОМ	14-16-30-200B	1.56
305 E Reardon St - DU C	COM	14-16-30-200C	1.89
305 E Reardon St - DU D	COM	14-16-30-200D	1.76
305 E Reardon St - DU E	СОМ	14-16-30-200E	0.69
305 E Reardon St - DU F	СОМ	14-16-30-200F	0.96
305 E Reardon St - DU G	COM	14-16-30-200G	0.21
305 E Reardon St - DU H	СОМ	14-16-30-200H	0.58
305 E Reardon St - DU I	СОМ	14-16-30-2001	0.28
305 E Reardon St - DU J	СОМ	14-16-30-200J	0.81
305 E Reardon St - DU K	СОМ	14-16-30-200K	0.33
305 E Reardon St - DU L	СОМ	14-16-30-200L	1.36
305 E Reardon St - DU M	СОМ	14-16-30-200M	2.85
305 E Reardon St - DU N	СОМ	14-16-30-200N	0.42
310 Townsend St	D	14-16-50-142	0.12
314 Townsend St	D	14-16-50-144	0.21
301 Townsend St	D	14-16-50-150	0.11
311 E Ellsworth St	D	14-16-50-208	0.17
2607 Bay City Rd - DU A	СОМ	14-23-20-010A	1.44
2607 Bay City Rd - DU B	СОМ	14-23-20-010B	1.28
2607 Bay City Rd - DU C	СОМ	14-23-20-010C	1.20
2607 Bay City Rd - DU D	СОМ	14-23-20-010D	0.81
2607 Bay City Rd - DU E	СОМ	14-23-20-010E	0.75
2607 Bay City Rd - DU F	СОМ	14-23-20-010F	1.21
2607 Bay City Rd - DU G	СОМ	14-23-20-010G	0.68
807 Waldo Ave	RC	14-23-20-486	0.63
835 Waldo Ave	RC	14-23-20-494	0.35
833 Waldo Ave - DU A	RC	14-23-20-498A	0.29
833 Waldo Ave - DU B	RC	14-23-20-498B	0.56
837 Waldo Ave	RC	14-23-20-502	0.36
401 Waldo Ave	RA-4	14-23-30-002	0.14
409 Waldo Ave	RA-3	14-23-30-004	0.33
415 Waldo Ave	RA-4	14-23-30-006	0.67
419 Waldo Ave	RA-4	14-23-30-010	0.67
3216 Bay City Rd - DU B	RC	14-23-30-018B	0.43
3212 Bay City Rd	RA-4	14-23-30-022	0.42
3204 Bay City Rd	RA-4	14-23-30-024	0.37
3128 Bay City Rd - DU A	RA-1	14-23-30-028A	0.26
3128 Bay City Rd - DU B	RA-1	14-23-30-028B	0.21
3120 Bay City Rd - DU A	RA-4	14-23-30-032A	0.43
3120 Bay City Rd - DU B	RA-4	14-23-30-032B	0.18

The Dow Chemical Col	T 77 13 11	Property ID	Property
Property Address ¹	Zoning	Number	Acreage
434 Lemke St	RA-4	14-23-30-034	0.38
428 Lemke St	RA-4	14-23-30-034	0.38
424 Lemke St	RA-4	14-23-30-036	0.29
420 Lemke St - DU A	RA-4	14-23-30-042 14-23-30-044A	0.27
	RA-4	14-23-30-044A	
420 Lemke St - DU B 416 Lemke St - DU A	RA-4	14-23-30-044B	0.21 0.16
416 Lemke St - DU B	+		
412 Lemke St - DU A	RA-4 RA-4	14-23-30-045B 14-23-30-046A	0.26 0.16
412 Lemke St - DU B	RA-4	14-23-30-046A	0.16
408 Lemke St - DU A	RA-4	14-23-30-047A	0.26
	+		
408 Lemke St - DU B	RA-4	14-23-30-047B	0.26
404 Lemke St	RA-4	14-23-30-054	0.20
3101 Beech St 3111 Beech St	_	14-23-30-056	0.20
	RA-4	14-23-30-058	0.21
3115 Beech St	RA-4	14-23-30-060	0.29
3119 Beech St - DU A	RA-4	14-23-30-064A	0.25
3119 Beech St - DU B	RA-4	14-23-30-064B	0.21
3205 Beech St	RA-4	14-23-30-066	0.27
235 Waldo Ave	RA-4	14-23-30-070	0.41
239 Waldo Ave	RA-4	14-23-30-072	0.45
301 Waldo Ave	RA-3	14-23-30-074	0.44
305 Waldo Ave	RA-4	14-23-30-076	0.46
309 Waldo Ave	RA-4	14-23-30-078	0.45
311 Waldo	DA 4	14-23-30-080	0.45
315 Waldo Ave	RA-4	14-23-30-082	0.20
317 Waldo Ave	RA-4	14-23-30-083	0.20
321 Waldo Ave	RA-4	14-23-30-086	0.28
3208 Beech St	RA-4	14-23-30-088	0.42
3204 Beech St	RA-4	14-23-30-090	0.39
337 Lemke St - DU A	RA-4	14-23-30-094A	1.71
337 Lemke St - DU B	RA-4	14-23-30-094B	0.64
337 Lemke St - DU C	RA-4	14-23-30-094C	3.52
337 Lemke St - DU D	RA-4	14-23-30-094D	0.85
337 Lemke St - DU E	RA-4	14-23-30-094E	1.12
337 Lemke St - DU F	RA-4	14-23-30-094F	0.81
337 Lemke St - DU G	RA-4	14-23-30-094G	0.77
337 Lemke St - DU H	RA-4	14-23-30-094H	1.18
337 Lemke St - DU I	1	14-23-30-0941	0.13
409 Lemke St	RA-4	14-23-30-180	0.40
413 Lemke St	RA-4	14-23-30-182	0.48
421 Lemke St	RA-4	14-23-30-184	0.40

Property ID Property				
Property Address ¹	Zoning	Number	Acreage	
425 Lemke St	RA-4	14-23-30-186	0.27	
3020 Bay City Rd	RA-4	14-23-30-188	0.24	
3008 Bay City Rd	RA-4	14-23-30-190	0.24	
3000 Bay City Rd	RA-4	14-23-30-190	0.22	
2924 Bay City Rd	IVA-4	14-23-30-196	0.30	
2916 Bay City Rd	RA-4	14-23-30-198	0.29	
424 Longview St	RA-4	14-23-30-202	0.19	
420 Longview St	RA-4	14-23-30-204	0.19	
416 Longview St	RA-4	14-23-30-206	0.19	
412 Longview St	RA-4	14-23-30-208	0.19	
408 Longview St	RA-4	14-23-30-210	0.19	
404 Longview St	RA-4	14-23-30-212	0.19	
400 Longview St	RA-4	14-23-30-214	0.19	
340 Longview St	RA-4	14-23-30-216	0.19	
336 Longview St	RA-4	14-23-30-218	0.19	
332 Longview St	RA-4	14-23-30-220	0.19	
328 Longview St	RA-4	14-23-30-222	0.19	
324 Longview St	RA-4	14-23-30-224	0.19	
320 Longview St	RA-4	14-23-30-226	0.19	
316 Longview St	RA-4	14-23-30-228	0.19	
312 Longview St	RA-4	14-23-30-230	0.19	
308 Longview St	RA-4	14-23-30-232	0.19	
304 Longview St	RA-4	14-23-30-234	0.19	
300 Longview St	RA-4	14-23-30-236	0.22	
301 Longview St	RA-4	14-23-30-238	0.22	
305 Longview St	RA-4	14-23-30-240	0.19	
309 Longview St	RA-4	14-23-30-242	0.19	
313 Longview St	RA-4	14-23-30-246	0.19	
317 Longview St	RA-4	14-23-30-248	0.16	
321 Longview St	RA-4	14-23-30-250	0.19	
325 Longview St	RA-4	14-23-30-252	0.19	
329 Longview St	RA-4	14-23-30-254	0.19	
333 Longview St	RA-4	14-23-30-256	0.19	
337 Longview St	RA-4	14-23-30-258	0.19	
341 Longview St	RA-4	14-23-30-260	0.19	
401 Longview St	RA-4	14-23-30-262	0.19	
405 Longview St	RA-4	14-23-30-263	0.19	
409 Longview St	RA-4	14-23-30-266	0.19	
413 Longview St	RA-4	14-23-30-268	0.19	
417 Longview St	RA-4	14-23-30-270	0.19	
421 Longview St	RA-4	14-23-30-272	0.19	

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
425 Longview St	RA-4	14-23-30-274	0.19
2908 Bay City Rd	RA-4	14-23-30-278	0.29
2824 Bay City Rd	RA-4	14-23-30-280	0.29
2800 Bay City Rd	RB	14-23-30-282	0.36
2734 Bay City Rd	RB	14-23-30-288	0.33
2728 Bay City Rd	RB	14-23-30-290	0.28
2710 Bay City Rd	RB	14-23-30-292	0.48
2708 Bay City Rd	RB	14-23-30-294	0.87
420 Dick St - DU A	RB	14-23-30-300A	0.94
420 Dick St - DU B	RB	14-23-30-300B	0.73
420 Dick St - DU C	RB	14-23-30-300C	0.71
350 Dick St - DU A	RB	14-23-30-332A	0.62
350 Dick St - DU B	RB	14-23-30-332B	0.68
336 Dick St - DU A	RB	14-23-30-344A	0.35
336 Dick St - DU B	RB	14-23-30-344B	0.33
2705 Parsons Ct	RB	14-23-30-348	0.50
2711 Parsons Ct	RB	14-23-30-350	0.50
2719 Parsons Ct	RB	14-23-30-352	0.48
2801 Parsons Ct - DU A	RB	14-23-30-354A	0.39
2801 Parsons Ct - DU B	RB	14-23-30-354B	0.23
2805 Parsons Ct	RB	14-23-30-358	0.59
2804 Parsons Ct - DU A	RB	14-23-30-359A	0.24
2804 Parsons Ct - DU B	RB	14-23-30-359B	0.20
2800 Parsons Ct - DU A	RB	14-23-30-360A	0.33
2800 Parsons Ct - DU B	RB	14-23-30-360B	0.46
2720 Parsons Ct	RB	14-23-30-361	0.44
2716 Parsons Ct	RB	14-23-30-364	0.58
310 Sam St	RB	14-23-30-400	0.14

 $^{^{\}mbox{\scriptsize 1}}$ All properties are within the City of Midland, Michigan

Zoning Codes:

COM = Community RA-3 = Residential
D= Downtown District RA-4 - Residential
IA = Indistrial RB = Residential

OS = Office Space RC = Regional Commercial

LCMR =

 \mbox{MULT} = Indicates that there is more than one zoning classification for the

NC = Neighborhood Commercial

			Property
Property Address ¹	Zoning	Property ID Number	Acreage
2014 Phase IA			
3500 E Ashman St - DU A	LCMR	14-13-10-800A	2.06
3500 E Ashman St - DU B	LCMR	14-13-10-800B	2.06
2301 Waldo Ave - DU A	LCMR	14-14-30-010A	2.28
2301 Waldo Ave - DU B	LCMR	14-14-30-010B	2.28
1012 E Patrick Rd DU A	RC	MDOT Right Of Way A	6.16
1012 E Patrick Rd DU B	RC	MDOT Right Of Way B	-
1012 E Patrick Rd DU C	RC	MDOT Right Of Way C	-
1012 E Patrick Rd DU D	RC	MDOT Right Of Way D	-
1012 E Patrick Rd DU E	RC	MDOT Right Of Way E	-
2014 Phase II - Commercial P	roperties		
910 Eastlawn Dr	OS	14-15-30-498	0.56
1607 E Patrick Rd	NC	14-15-40-334	0.55
1613 E Patrick Rd	NC	14-15-40-340	0.34
816 E Haley St	RB	14-15-50-004	1.16
1510 Bayliss St - DU A	OS	14-15-50-090A	6.14
1510 Bayliss St - DU B	OS	14-15-50-090B	-
1510 Bayliss St - DU C	OS	14-15-50-090C	-
1510 Bayliss St - DU D	OS	14-15-50-090D	-
1510 Bayliss St - DU E	OS	14-15-50-090E	-
502 Cherry St	RB	14-15-60-270	1.86
1113 E Carpenter St	RB	14-16-40-104	0.33
1001 E Carpenter St	NC	14-16-40-136	0.17
805 George St ²	IA	14-16-40-380	0.71
600 E Carpenter St - DU A	RB	14-16-40-574A	3.82
600 E Carpenter St - DU B	RB	14-16-40-574B	-
600 E Carpenter St - DU C	RB	14-16-40-574C	-
1006 E Carpenter St	NC	14-16-40-670	0.18
1016 Haley St	NC	14-16-40-672	0.17
712 Townsend St	RC	14-16-50-008	0.91
501 George St	OS	14-16-50-068	0.11
502 Townsend St	OS	14-16-50-122	0.34
414 Townsend St	D	14-16-50-124	0.66
409 E Buttles St	D	14-16-50-130	0.17
309 E Indian St	OS	14-16-50-164	0.33
709 Townsend St	RC	14-16-50-186	0.19
715 Townsend St	RC	14-16-50-188	0.56
302 E Indian St	OS	14-16-50-234	0.17

			Property
Property Address ¹	Zoning	Property ID Number	Acreage
803 Townsend St & 809			
Townsend	MULT	14-16-60-030	1.74
614 Haley St	RB	14-21-10-398	0.12
901 E Indian St	OS	14-21-10-530	0.33
711 Haley St	RC	14-21-10-562	0.17
715 Haley St	RC	14-21-10-564	0.28
907 E Pine St & 701 Haley St &		14-21-10-568 & 14-21-10	
706 Mill St	RC	558 & 14-16-40-508	0.67
601 Mill St	RB	14-21-10-608	0.29
609 Mill St	RB	14-21-10-612	0.17
1612 E Patrick Rd - DU A	RC	14-22-10-004A	0.94
1612 E Patrick Rd - DU B	RC	14-22-10-004B	-
2505 Bay City Rd	RB	14-23-20-004	1.15
3216 Bay City Rd - DU A	RC	14-23-30-018A	0.68
309 Kent Ct - DU A	MULT	14-23-60-160A	0.39
309 Kent Ct - DU B	MULT	14-23-60-160B	-
401 Kent Ct - DUA	MULT	14-23-60-180A	0.55
401 Kent Ct - DUB	MULT	14-23-60-180B	
1700 E Patrick Rd	RC	14-23-80-090	1.16

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MULT = Indicates that there is more than one zoning classification for that p

NC = Neighborhood Commercial

² Removed from sampling list per DEQ request, due to insufficient area to sam **Zoning Codes:**

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
3011 SWEDE AVE	RA-3	14-15-10-002	0.14
1614 E ASHMAN ST	RA-3	14-15-10-004	0.14
1610 E ASHMAN ST	RA-3	14-15-10-006	0.23
1602 E ASHMAN ST	RA-3	14-15-10-008	0.23
1522 E ASHMAN ST	RA-3	14-15-10-010	0.14
1518 E ASHMAN ST	RA-3	14-15-10-012	0.17
1514 E ASHMAN ST	RA-3	14-15-10-014	0.12
1510 E ASHMAN ST	RA-3	14-15-10-016	0.14
1506 E ASHMAN ST	RA-3	14-15-10-018	0.14
3010 BYRD ST	RA-3	14-15-10-020	0.14
3000 BYRD ST	RA-3	14-15-10-022	0.14
1505 WYLLYS ST	RA-3	14-15-10-024	0.14
1509 WYLLYS ST	RA-3	14-15-10-026	0.14
1513 WYLLYS ST	RA-3	14-15-10-028	0.14
1517 WYLLYS ST	RA-3	14-15-10-030	0.14
1521 WYLLYS ST	RA-3	14-15-10-032	0.14
1603 WYLLYS ST	RA-3	14-15-10-034	0.21
1609 WYLLYS ST	RA-3	14-15-10-038	0.20
1613 WYLLYS ST	RA-3	14-15-10-040	0.14
3005 SWEDE AVE	RA-3	14-15-10-042	0.14
1422 E ASHMAN ST	RA-3	14-15-10-050	0.14
1418 E ASHMAN ST	RA-3	14-15-10-052	0.14
1414 E ASHMAN ST	RA-3	14-15-10-054	0.14
1410 E ASHMAN ST	RA-3	14-15-10-056	0.14
1406 E ASHMAN ST	RA-3	14-15-10-058	0.14
1402 E ASHMAN ST	RA-3	14-15-10-060	0.14
1326 E ASHMAN ST	RA-3	14-15-10-062	0.14
1322 E ASHMAN ST	RA-3	14-15-10-064	0.14
1318 E ASHMAN ST	RA-3	14-15-10-066	0.14
1314 E ASHMAN ST	RA-3	14-15-10-068	0.14
1310 E ASHMAN ST	RA-3	14-15-10-070	0.13
1306 E ASHMAN ST	RA-3	14-15-10-072	0.14
1302 E ASHMAN ST	RA-3	14-15-10-074	0.14
1301 WYLLYS ST	RA-3	14-15-10-076	0.14
1305 WYLLYS ST	RA-3	14-15-10-078	0.14
1309 WYLLYS ST	RA-3	14-15-10-080	0.13
1313 WYLLYS ST	RA-3	14-15-10-082	0.14
1317 WYLLYS ST	RA-3	14-15-10-084	0.14

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
1321 WYLLYS ST	RA-3	14-15-10-086	0.14
1325 WYLLYS ST	RA-3	14-15-10-088	0.14
1401 WYLLYS ST	RA-3	14-15-10-090	0.14
1405 WYLLYS ST	RA-3	14-15-10-092	0.14
1409 WYLLYS ST	RA-3	14-15-10-094	0.14
1413 WYLLYS ST	RA-3	14-15-10-096	0.14
1417 WYLLYS ST	RA-3	14-15-10-098	0.14
3003 BYRD ST	RA-3	14-15-10-100	0.14
1222 E ASHMAN ST	RA-3	14-15-10-104	0.14
1218 E ASHMAN ST	RA-3	14-15-10-106	0.14
1214 E ASHMAN ST	RA-3	14-15-10-108	0.14
1210 E ASHMAN ST	RA-3	14-15-10-110	0.14
1206 E ASHMAN ST	RA-3	14-15-10-112	0.14
1200 E ASHMAN ST	RA-3	14-15-10-114	0.14
1126 E ASHMAN ST	RA-3	14-15-10-116	0.21
1122 E ASHMAN ST	RA-3	14-15-10-120	0.21
1112 E ASHMAN ST-DUA	RA-3	14-15-10-124A	0.60
1112 E ASHMAN ST-DUB	RA-3	14-15-10-124B	0.78
1125 WYLLYS ST	RA-3	14-15-10-186	0.29
1205 WYLLYS ST	RA-3	14-15-10-190	0.29
1213 WYLLYS ST	RA-3	14-15-10-196	0.22
1217 WYLLYS ST	RA-3	14-15-10-200	0.14
3003 LINDY ST	RA-3	14-15-10-202	0.14
1222 WYLLYS ST	RA-3	14-15-10-206	0.14
1220 WYLLYS ST	RA-3	14-15-10-208	0.14
1216 WYLLYS ST	RA-3	14-15-10-210	0.14
1210 WYLLYS ST	RA-3	14-15-10-212	0.14
1208 WYLLYS ST	RA-3	14-15-10-214	0.29
1128 WYLLYS ST	RA-3	14-15-10-218	0.14
1124 WYLLYS ST	RA-3	14-15-10-220	0.14
1120 WYLLYS ST	RA-3	14-15-10-222	0.14
1112 WYLLYS ST	RA-3	14-15-10-224	0.18
1108 WYLLYS ST	RA-3	14-15-10-228	0.30
1020 WYLLYS ST	RA-3	14-15-10-232	0.25
2913 SWEDE AVE	RA-3	14-15-10-554	0.14
1614 WYLLYS ST	RA-2	14-15-10-556	0.14
1610 WYLLYS ST	RA-2	14-15-10-558	0.20
1604 WYLLYS ST	RA-2	14-15-10-562	0.23

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
1524 WYLLYS ST	RA-2	14-15-10-566	0.21
1514 WYLLYS ST	RA-2	14-15-10-568	0.21
1510 WYLLYS ST	RA-2	14-15-10-570	0.14
1506 WYLLYS ST	RA-2	14-15-10-572	0.14
1502 WYLLYS ST	RA-2	14-15-10-574	0.21
1424 WYLLYS ST	RA-2	14-15-10-578	0.21
1420 WYLLYS ST	RA-2	14-15-10-580	0.14
1416 WYLLYS ST	RA-2	14-15-10-582	0.14
1412 WYLLYS ST	RA-2	14-15-10-584	0.14
1408 WYLLYS ST	RA-2	14-15-10-586	0.14
1402 WYLLYS ST	RA-2	14-15-10-588	0.14
1326 WYLLYS ST	RA-2	14-15-10-590	0.14
1322 WYLLYS ST	RA-2	14-15-10-592	0.14
1318 WYLLYS ST	RA-2	14-15-10-594	0.14
1314 WYLLYS ST	RA-2	14-15-10-596	0.14
1308 WYLLYS ST	RA-2	14-15-10-598	0.28
1304 WYLLYS ST	RA-2	14-15-10-602	0.14
1301 EASTLAWN DR - DU A	RB	14-15-20-004A	45.72
1301 EASTLAWN DR - DU AA	RB	14-15-20-004AA	
1301 EASTLAWN DR - DU AB	RB	14-15-20-004AB	
1301 EASTLAWN DR - DU B	RB	14-15-20-004B	
1301 EASTLAWN DR - DU C	RB	14-15-20-004C	
1301 EASTLAWN DR - DU D	RB	14-15-20-004D	
1301 EASTLAWN DR - DU E	RB	14-15-20-004E	
1301 EASTLAWN DR DU F	RB	14-15-20-004F	
1301 EASTLAWN DR - DU G	RB	14-15-20-004G	
1301 EASTLAWN DR - DU H	RB	14-15-20-004H	
1301 EASTLAWN DR - DU I	RB	14-15-20-0041	
1301 EASTLAWN DR - DU J	RB	14-15-20-004J	
1301 EASTLAWN DR - DU K	RB	14-15-20-004K	
1301 EASTLAWN DR - DU L	RB	14-15-20-004L	
1301 EASTLAWN DR - DU M	RB	14-15-20-004M	
1301 EASTLAWN DR - DU N	RB	14-15-20-004N	
1301 EASTLAWN DR - DU O	RB	14-15-20-0040	
1301 EASTLAWN DR - DU P	RB	14-15-20-004P	
1301 EASTLAWN DR - DU Q	RB	14-15-20-004Q	
1301 EASTLAWN DR - DU R	RB	14-15-20-004R	
1301 EASTLAWN DR - DU S	RB	14-15-20-004S	

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
1301 EASTLAWN DR - DU T	RB	14-15-20-004T	
1301 EASTLAWN DR - DU U	RB	14-15-20-004U	
1301 EASTLAWN DR - DU V	RB	14-15-20-004V	
1301 EASTLAWN DR - DU W	RB	14-15-20-004W	
1301 EASTLAWN DR - DU X	RB	14-15-20-004X	
1301 EASTLAWN DR - DU Y	RB	14-15-20-004Y	
1301 EASTLAWN DR - DU Z	RB	14-15-20-004Z	
218 E COLLINS ST	RA-4	14-16-20-294	0.11
214 E COLLINS ST	RA-4	14-16-20-296	0.11
210 E COLLINS ST	RA-4	14-16-20-298	0.11
206 E COLLINS ST	RA-4	14-16-20-300	0.11
202 E COLLINS ST	RA-4	14-16-20-302	0.11
122 E COLLINS ST	RA-4	14-16-20-304	0.11
120 E COLLINS ST	RA-4	14-16-20-306	0.11
116 E COLLINS ST	RA-4	14-16-20-308	0.11
110 E COLLINS ST	RA-4	14-16-20-310	0.11
1620 ASHMAN ST	RA-4	14-16-20-312	0.11
1616 ASHMAN ST	RA-4	14-16-20-314	0.12
1610 ASHMAN ST	RA-4	14-16-20-316	0.19
1600 ASHMAN ST	RA-4	14-16-20-320	0.34
111 E BAKER ST	RA-4	14-16-20-322	0.26
113 E BAKER ST	RA-4	14-16-20-324	0.26
117 E BAKER ST	RA-4	14-16-20-326	0.25
119 E BAKER ST	RA-4	14-16-20-328	0.26
205 E BAKER ST	RA-4	14-16-20-330	0.26
209 E BAKER ST	RA-4	14-16-20-332	0.26
1601 RODD ST	RA-4	14-16-20-334	0.26
1005 RODD ST	OS	14-16-30-002	0.17
1013 RODD ST	OS	14-16-30-004	0.17
1015 RODD ST	OS	14-16-30-006	0.16
115 E CARPENTER ST	RA-4	14-16-30-010	0.12
119 E CARPENTER ST	RA-4	14-16-30-012	0.14
201 E CARPENTER ST	RA-4	14-16-30-014	0.15
205 E CARPENTER ST	RA-4	14-16-30-016	0.17
1101 RODD ST	RA-4	14-16-30-018	0.17
1103 RODD ST	RA-4	14-16-30-020	0.17
1111 RODD ST	RA-4	14-16-30-022	0.12
1113 RODD ST	RA-4	14-16-30-024	0.21

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
208 E REARDON ST	RA-4	14-16-30-026	0.17
204 E REARDON ST	RA-4	14-16-30-028	0.17
120 E REARDON ST	RA-4	14-16-30-030	0.17
116 E REARDON ST	RA-4	14-16-30-032	0.17
110 E REARDON ST	RA-4	14-16-30-034	0.17
501 RODD ST	OS	14-16-50-326	0.17
505 RODD ST	OS	14-16-50-328	0.17
509 RODD ST	OS	14-16-50-330	0.17
513 RODD ST	OS	14-16-50-332	0.17
501 MCDONALD ST	OS	14-16-50-388	0.17
505 MCDONALD ST	OS	14-16-50-390	0.17
509 MCDONALD ST	OS	14-16-50-392	0.17
515 MCDONALD ST	OS	14-16-50-394	0.17
110 E GROVE ST	OS	14-16-50-400	0.17
512 ASHMAN ST	OS	14-16-50-402	0.17
508 ASHMAN ST	OS	14-16-50-404	0.17
502 ASHMAN ST	OS	14-16-50-406	0.17
205 E INDIAN ST & 502			
MCDONALD ST	os	14-16-50-7902 & 1	0.06
508 MCDONALD ST	OS	14-16-50-828	0.17
510 MCDONALD ST	OS	14-16-50-830	0.17
516 MCDONALD ST	OS	14-16-50-832	0.17
205 E GROVE ST-DUA	OS	14-16-50-900A	5.02
205 E GROVE ST-DUB	OS	14-16-50-900B	
205 E GROVE ST-DUC	OS	14-16-50-900C	
205 E GROVE ST-DUD	OS	14-16-50-900D	
205 E GROVE ST-DUE	OS	14-16-50-900E	
811 RODD ST	RC	14-16-60-038	0.17
813 RODD ST	RC	14-16-60-040	0.17
206 E HINES ST	RC	14-16-60-042	0.16
202 E HINES ST	RC	14-16-60-046	0.17
114 E HINES ST ²	RC	14-16-60-048	0.33
110 E HINES ST ²	RC	14-16-60-052	0.17
111 E HINES ST	RB	14-16-60-054	0.17
113 E HINES ST	RB	14-16-60-056	0.17
119 E HINES ST	RB	14-16-60-058	0.17
203 E HINES ST	RB	14-16-60-060	0.17
207 E HINES ST	RB	14-16-60-062	0.17

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
1001 RODD ST	RB	14-16-60-064	0.17
206 E CARPENTER ST	RB	14-16-60-070	0.17
204 E CARPENTER ST	RB	14-16-60-072	0.17
120 E CARPENTER ST	RB	14-16-60-074	0.10
116 E CARPENTER ST	RB	14-16-60-076	0.11
108 E CARPENTER ST	RB	14-16-60-078	0.12
106 E CARPENTER ST	RB	14-16-60-080	0.16
111 E CARPENTER ST	RA-4	14-16-60-082	0.11
107 E CARPENTER ST	RA-4	14-16-60-083	0.14
1116 ASHMAN ST	RA-4	14-16-60-350	0.17
1112 ASHMAN ST	RA-4	14-16-60-352	0.17
1108 ASHMAN ST	OS	14-16-60-354	0.16
1100 ASHMAN ST	OS	14-16-60-356	0.17
1014 ASHMAN ST	OS	14-16-60-358	0.17
1010 ASHMAN ST	OS	14-16-60-360	0.17
1006 ASHMAN ST	OS	14-16-60-362	0.33
810 ASHMAN ST ²	RC	14-16-60-372	0.33
802 ASHMAN ST ²	IA	14-16-60-374	1.89
716 ASHMAN ST ²	RC	14-16-60-378	1.86
706 ASHMAN ST ²	RC	14-16-60-382	0.17
702 ASHMAN ST ²	RC	14-16-60-384	0.17

¹ All properties are within the City of Midland, Michigan

Zoning Codes:

COM = Community RA-3 = Residential
D= Downtown District RA-4 - Residential
IA = Indistrial RB = Residential

OS = Office Space RC = Regional Commercial

LCMR =

MULT = Indicates that there is more than one zoning classification for that

NC = Neighborhood Commercial

² Property verified non-residential and removed from sampling list.