KALAMAZOO COUNTY GOVERNMENT

In the Pursuit of Extraordinary Governance…

NEWS RELEASE
FOR IMMEDIATE RELEASE
July 17, 2019

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269-373-5270 or 269-373-5271

July 17, 2019: Weekly Update on Kalamazoo County Water Quality

KALAMAZOO, MI — A weekly news release will be sent on Thursdays at 4:00 p.m. with the latest information surrounding all water quality related activities occurring within Kalamazoo County. Residents can also follow www.facebook.com/KalamazooCountyHCS/ or visit www.kalcounty.com/hcs/pfasresponse.php.

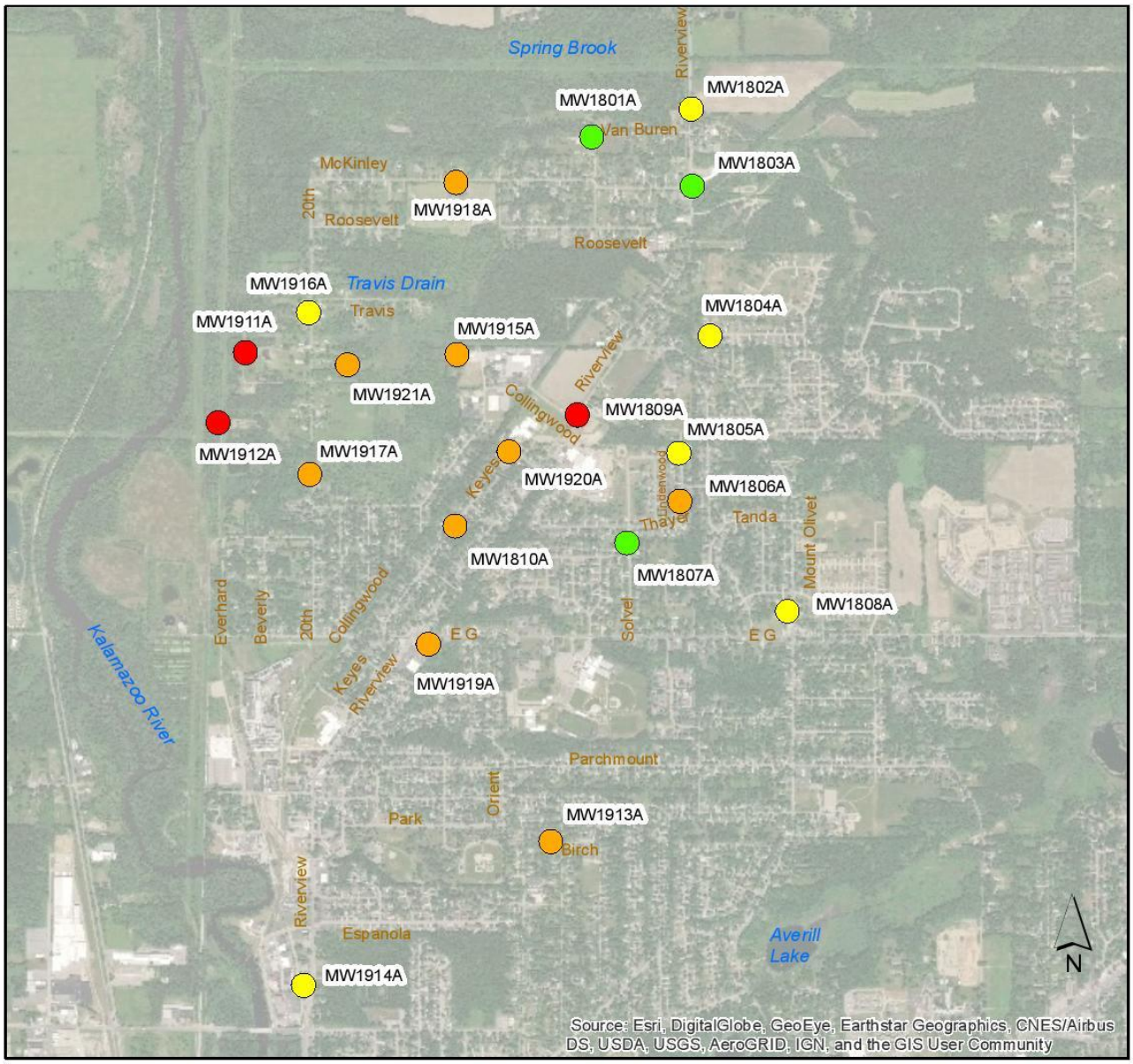
Parchment/Cooper Township:
The Michigan Department of Environment, Great Lakes, and Energy (EGLE) continues to oversee the Investigation being done by Georgia Pacific and Tetra Tech into PFAS contamination of groundwater. On June 5, 2019, Georgia-Pacific submitted a Hydrogeologic Investigation Report to EGLE for review.

- You can read the Hydrogeologic Investigation Report Executive Summary on the State of Michigan PFAS response web page located at https://www.michigan.gov/pfasresponse/0,9038,7-365-86511_82704-479889--,00.html

- The full report is 1,501 pages long. Contact EGLE if you wish to view the full report.

Georgia Pacific has also submitted to EGLE a Workplan for additional investigation activities associated with the former Mill properties, Waste Water Treatment area and Landfill areas. EGLE has reviewed the Workplan and Georgia Pacific is scheduled to begin investigation activities this week.

Kalamazoo County has created a listserv that will be used to disseminate PFAS updates, newsletters and routine communications to you instantly via email. If you would like to subscribe to this listserv please go to: http://www.kalcounty.com/hcs/groundwater-listserv.htm



Monitoring Wells

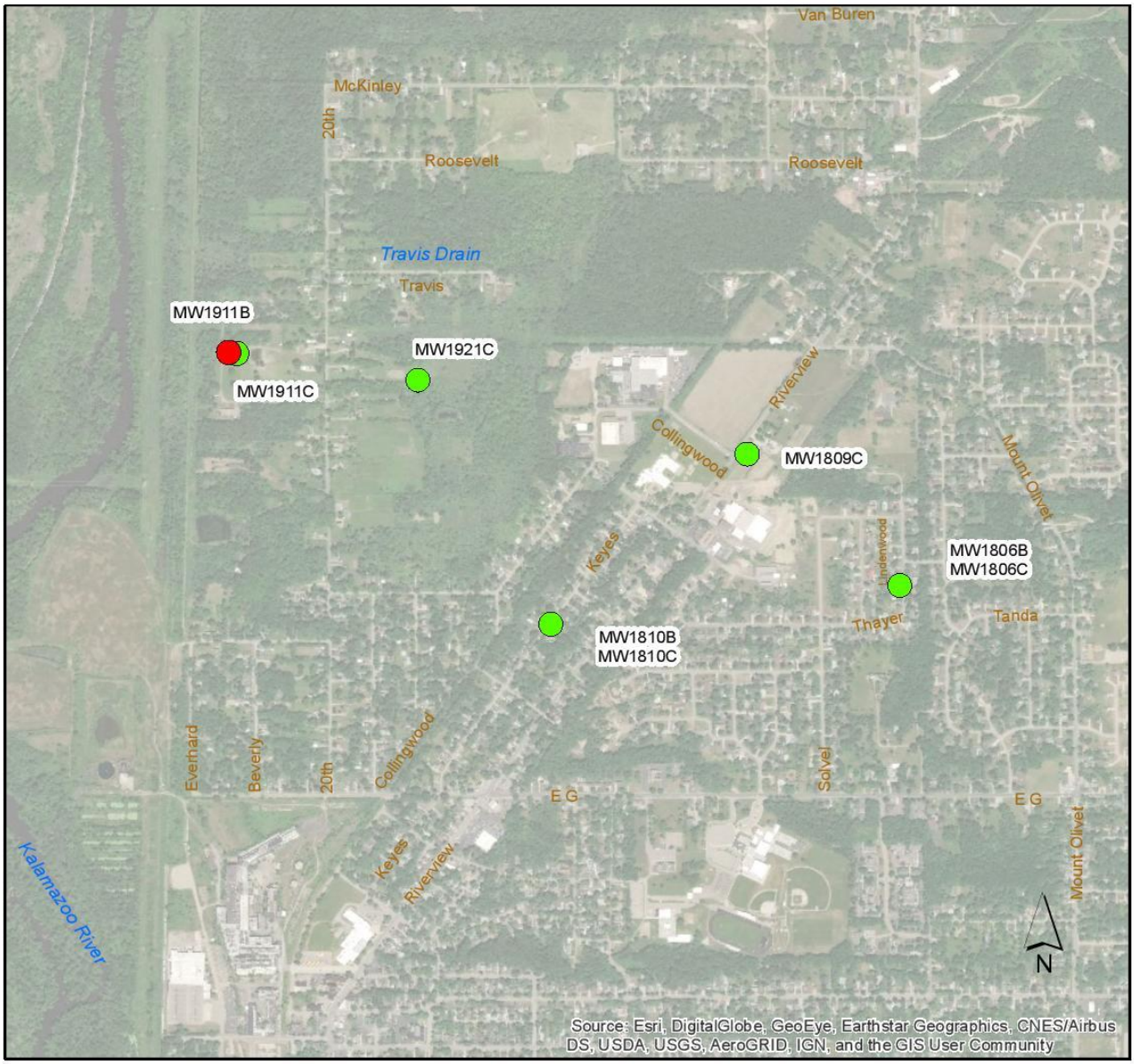
Dec 2018 - March 2019 Sample Result - PFOA plus PFOS

- ND at the RL (2 ng/L)
- >RL - 10 ng/L
- 10 ng/L - 70 ng/L
- >70 ng/L

0 1,500 3,000 Feet

1. RL = Laboratory Reporting Limit
2. ng/L = nanograms per Liter
3. PFOA = Perfluorooctanoic Acid
4. PFOS = Perfluorooctane Sulfonic Acid
5. 70 ng/L for PFOA plus PFOS is the Michigan Department of Environmental Quality Drinking Water Criteria per Part 201, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and the Part 201 Administrative Rules. Table 1 (June 25, 2018).
6. Validated data as of March 29, 2019, are included on this map.

	ORIGINAL: LAS	HYDROGEOLOGICAL INVESTIGATION GEORGIA-PACIFIC PARCHMENT, MICHIGAN	FIGURE
	DATE: 01/28/19		1
	REVISED: LAS	**MONITORING WELL - WATER TABLE (UNCONFINED)**	
	DATE: 04/12/19	**LABORATORY RESULTS SUMMARY - MARCH 2019**	



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	ORIGINAL: LAS	HYDROGEOLOGICAL INVESTIGATION GEORGIA-PACIFIC PARCHMENT, MICHIGAN	FIGURE
	DATE: 01/29/19		2
	REVISED: LAS	**MONITORING WELL - SEMI CONFINED/CONFINED**	
	DATE: 04/12/19	**LABORATORY RESULTS SUMMARY - MARCH 2019**	

HYDROGEOLOGIC INVESTIGATION
GEORGIA-PACIFIC
PARCHMENT, MICHIGAN

MONITORING WELL SAMPLE LABORATORY RESULT SUMMARY - MARCH 2019

Well Name	Well Depth (feet)	Sample Date	Sum of PFOA plus PFOS (ng/L)
MW1801A	33	12/13/2018	ND
MW1802A	22	12/13/2018	2.83
MW1803A	30	12/13/2018	ND
MW1804A	80	12/12/2018	5.9
MW1805A	65	12/11/2018	7.58
MW1806A	63	12/11/2018	12.76
MW1806B	108	12/11/2018	ND
MW1806C	155	12/13/2018	ND
MW1807A	104	12/12/2018	ND
MW1808A	80	12/12/2018	8.51
MW1809A	32	1/8/2019	3432.9
MW1809C	86	1/9/2019	ND
MW1810A	20	1/8/2019	35.40
MW1810B	68	1/8/2019	ND
MW1810C	82	1/8/2019	ND
MW1911A	14	3/6/2019	107.4
MW1911B	48	2/18/2019	160.4
MW1911C	85	2/18/2019	ND
MW1912A	39	3/6/2019	960
MW1913A	61	2/15/2019	13.86
MW1914A	25	2/15/2019	6.58
MW1915A	30	2/14/2019	10.72
MW1916A	28	2/18/2019	7.08
MW1917A	32	2/18/2019	69.8
MW1918A	19	2/18/2019	11.2
MW1919A	50	2/15/2019	47.4
MW1920A	30	2/19/2019	16.8
MW1921A	20	2/19/2019	17.7
MW1921C	62	2/19/2019	ND

1. ND = Not Detected at or above the Laboratory Reporting Limit
2. ng/L = nanograms per Liter
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Richland:

The Michigan Department of Environment, Great Lakes, and Energy (EGLE) continues to investigate the PFAS contamination at the former Production Plated Plastics facility in Richland, Michigan. In May 2019, 10 surface water samples were collected from 9 different surface water bodies in the study area. The results for the surface water samples have been received. 8 out of 10 surface water samples had detections of PFOS above the 12 ppt groundwater surface water interface criteria. Sample locations and results are depicted on the map below. At this time the surface water concentrations do not represent a human contact issue, however additional fish tissue collection and evaluation will be completed to determine if there is a need for a fish consumption advisory in any of the surface water bodies. An additional 3 surface water samples and five residential/agricultural well samples where collected on July 3, 2019. Results for these samples are expected back within 6 to 8 weeks.

Due to the usage of select surface water bodies for agricultural irrigation activities, EGLE is working with the Michigan Department of Agriculture and Rural Development (MDARD) to develop an investigation plan to help determine if PFAS contamination has been spread by the irrigation activities. MDARD has also asked FDA and USDA for assistance with this issue.

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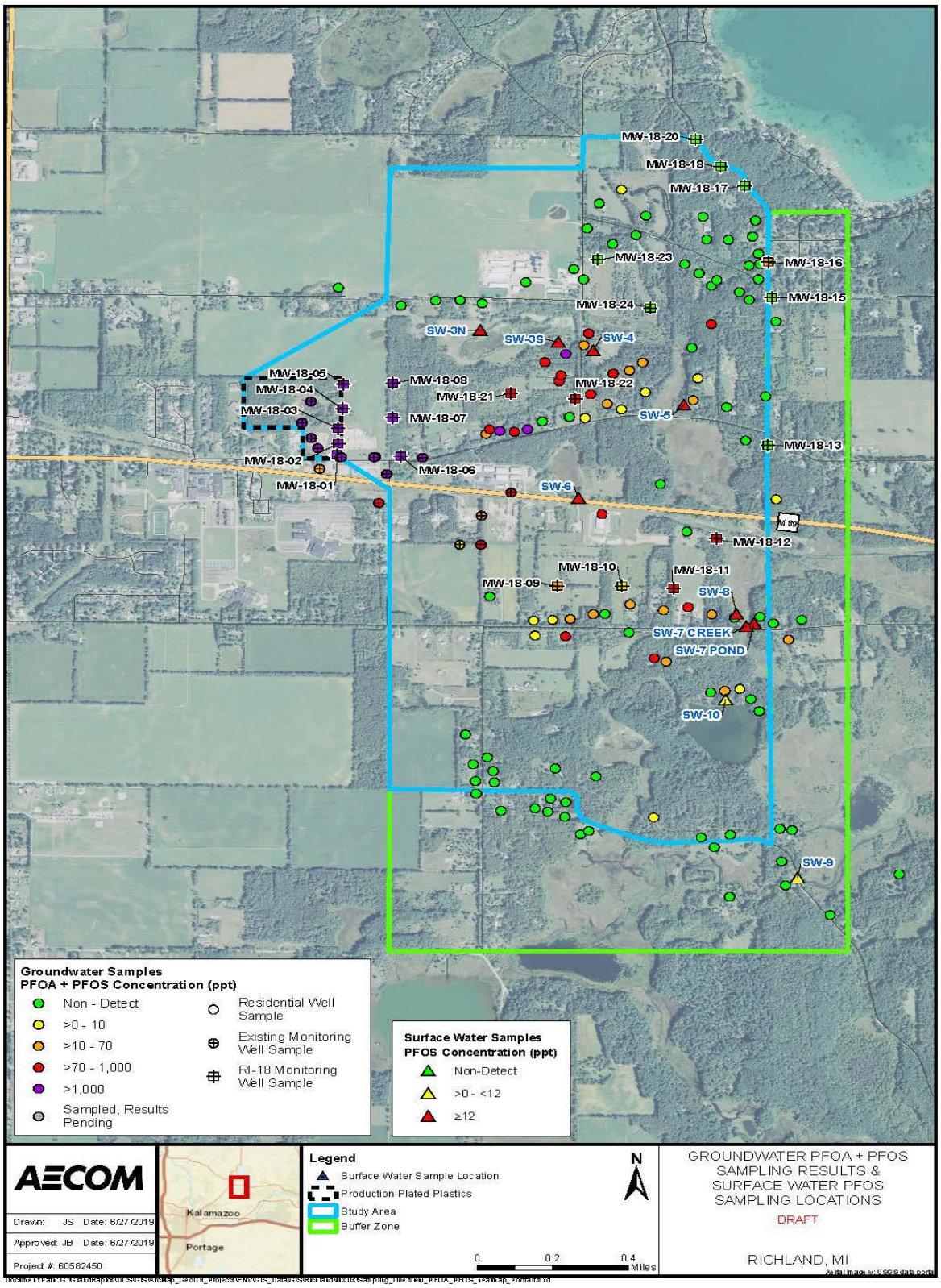
MW-18-20
MW-18-18
MW-18-17
MW-18-23
MW-18-16
MW-18-15
MW-18-24
SW-3N
SW-3S
SW-4
MW-18-05
MW-18-04
MW-18-03
MW-18-08
MW-18-21
MW-18-22
MW-18-07
SW-5
MW-18-13
MW-18-02
MW-18-01
MW-18-06
SW-6
MW-18-12
MW-18-10
MW-18-11
MW-18-09
SW-8
SW-7 CREEK
SW-7 POND
SW-10
SW-9
Groundwater Samples
PFOA + PFOS Concentration (ppt)
Non - Detect
>0 - 10
>10 - 70
>70 - 1,000
>1,000
Sampled, Results Pending
Residential Well Sample
Existing Monitoring Well Sample
RI-18 Monitoring Well Sample
Surface Water Samples
PFOS Concentration (ppt)
Non-Detect
>0 - <12
≥12
AECOM
Drawn: JS Date: 6/27/2019
Approved: JB Date: 6/27/2019
Project #: 60582450
Kalamazoo
Portage
Legend
Surface Water Sample Location
Production Plated Plastics
Study Area
Buffer Zone
N
0 0.2 0.4 Miles
GROUNDWATER PFOA + PFOS SAMPLING RESULTS & SURFACE WATER PFOS SAMPLING LOCATIONS
DRAFT
RICHLAND, MI

# # #