

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

INTEROFFICE COMMUNICATION

TO: Regina Strong, Environmental Justice Public Advocate,
Office of the Environmental Justice Public Advocate
Katie Lambeth, Tribal Liaison
Executive Office

FROM: Kimberly M. Tyson, Manager *Kimberly M. Tyson*
Hazardous Waste Section, Materials Management Division

DATE: April 15, 2025

SUBJECT: Environmental Justice and Limited English Proficiency Screenings,
US Ecology Wayne Disposal, Inc.; MID 048 090 633, Waste Data
System Number 395812

The Materials Management Division (MMD), Hazardous Waste Section (HWS), conducted Environmental Justice (EJ), and Limited English Proficiency (LEP), screenings for US Ecology Wayne Disposal (WDI). The MMD is required to conduct EJ and LEP screenings as part of the hazardous waste management facility operating license process.

Based on these screenings, the HWS determined that WDI is in an EJ area, but not a LEP area.

Facility Background and Extent of Hazardous Waste Operations

WDI is located at 49350 North I-94 Service Drive, Belleville, Wayne County, Michigan. WDI operates a hazardous waste landfill for solid hazardous waste and polychlorinated biphenyl waste that is generated at off-site facilities for disposal.

WDI is licensed to operate their landfill and to store hazardous waste in tank storage. WDI submitted a Hazardous Waste Management Facility Operating License renewal application (Application) on November 5, 2021. As part of the Application, WDI has proposed to modify the landfill design and conduct new operations at the landfill, including storing hazardous waste in containers and conducting treatment in the landfill. The Application was determined to be administratively complete on December 3, 2021. The MMD will hold a public informational meeting on May 29, 2025, to provide an overview of the license review process and communicate its technically adequate determination.

EJ Screen Results

The EJ screen was conducted using the EGLE MiEJScreen Environmental Justice Screening Tool (Version 1.0).

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The EJ screen was initially performed with a one-mile buffer distance from the facility's perimeter but was increased in increments of a half-mile to three miles due to census tracts that were partially covered by the radius with MiEJScores of 80 or greater. Based on the results of the MiEJScreen (attached), staff determined that the community surrounding WDI would be considered an EJ area.

LEP Screen Results

The LEP screen was conducted using the United States Environmental Protection Agency's EJScreen Mapping Tool (Version 2.3, unofficial copy hosted by the Public Environmental Data Partners).

The LEP screen was performed using the same three-mile buffer distance. Because the population that speaks English "less than very well" is less than the state average of 2 percent and less than 500 people (486), staff determined vital documents will not need to be translated.

Please confirm your concurrence with the EJ and LEP results by April 22, 2025, if possible, to assist the MMD in preparing plans for appropriate public engagement.

Attachments

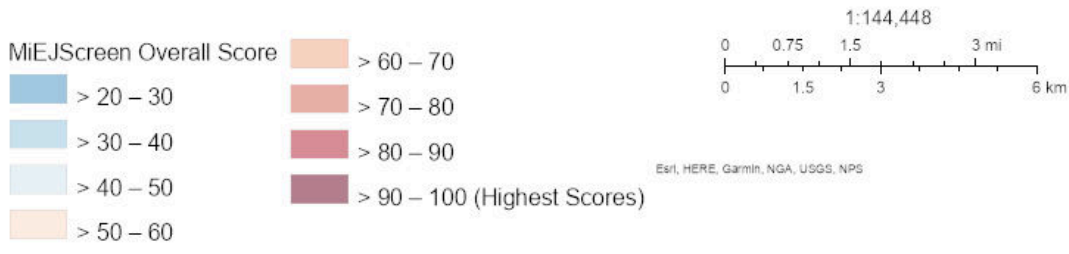
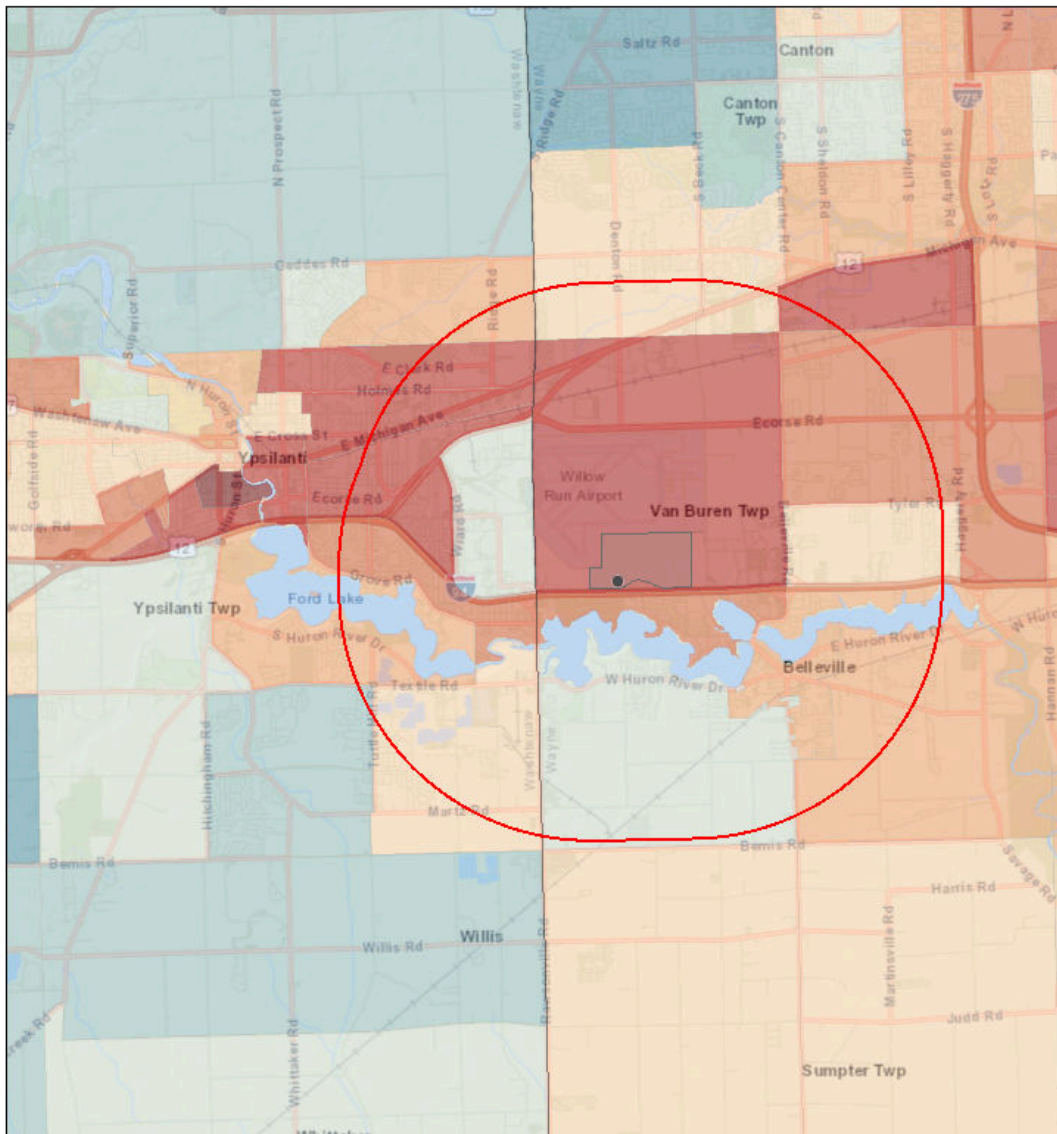
cc/att: Elizabeth M. Browne, EGLE
Tracy Kecskemeti, EGLE
Kevin Bott, EGLE
Kate Hutchens, EGLE
Christine Matlock, EGLE
Elizabeth Cazallis, EGLE
Public Participation – Environmental Justice Documentation

49350 North I-94 Service Drive in Belleville, Michigan

Area : 39.9 mi²

March 17, 2025

US Ecology Wayne Disposal, Inc. (WDI) operates a hazardous waste landfill for solid hazardous waste and polychlorinated biphenyl waste that are generated at off-site facilities for disposal.



The buffer zone around WDI was increased to a maximum of three miles due to census tracts partially covered by the buffer distance with MiEJScores of 80 or greater.

MiEJScreen Overall Score

#	Census Tract	Tract Name	County	MiEJ Score Percentile	Environmental Conditions Percentile
1	26161413401	Census Tract 4134.01	Washtenaw County	36	40
2	26163564900	Census Tract 5649	Wayne County	83	82
3	26161411700	Census Tract 4117	Washtenaw County	79	67
4	26161407400	Census Tract 4074	Washtenaw County	69	43
5	26161412600	Census Tract 4126	Washtenaw County	62	60
6	26163564503	Census Tract 5645.03	Wayne County	58	55
7	26161412300	Census Tract 4123	Washtenaw County	85	68
8	26161412700	Census Tract 4127	Washtenaw County	64	73
9	26161411900	Census Tract 4119	Washtenaw County	82	76
10	26161412100	Census Tract 4121	Washtenaw County	82	66
11	26161412000	Census Tract 4120	Washtenaw County	88	85
12	26161413000	Census Tract 4130	Washtenaw County	77	77
13	26163587000	Census Tract 5870	Wayne County	62	50
14	26163588200	Census Tract 5882	Wayne County	72	72
15	26163564504	Census Tract 5645.04	Wayne County	51	45
16	26163588000	Census Tract 5880	Wayne County	58	62
17	26161984000	Census Tract 9840	Washtenaw County	46	83
18	26163588400	Census Tract 5884	Wayne County	64	61
19	26161413200	Census Tract 4132	Washtenaw County	59	48
20	26163587900	Census Tract 5879	Wayne County	70	83
21	26163588300	Census Tract 5883	Wayne County	50	56
22	26163588100	Census Tract 5881	Wayne County	83	82

#	Population Characteristics Score Percentile	Total Population	Area MiSq	Population Density (People/MiSq)	Percent Unemployed
1	24	4,610	2.0	2,322	7
2	78	1,981	1.9	1,047	7
3	80	2,192	0.4	4,929	8
4	83	6,037	2.2	2,688	6
5	54	2,462	0.5	5,166	2
6	50	3,547	1.5	2,345	3
7	88	3,096	0.6	4,985	11
8	48	5,551	2.3	2,398	7
9	79	3,433	1.4	2,499	5
10	84	3,374	1.7	1,929	7
11	84	4,041	1.4	2,859	6
12	72	3,869	1.1	3,561	6
13	65	3,898	1.1	3,443	4
14	66	3,148	1.2	2,658	8
15	46	7,046	4.5	1,577	2
16	43	5,938	2.0	2,920	4
17	13	19	1.9	10	0
18	57	5,193	8.1	645	5
19	60	4,394	4.1	1,075	9
20	56	6,544	7.4	879	4
21	32	5,162	6.2	830	3
22	77	2,343	9.1	258	7

#	Median Household Income past 12 months	Percent of Population that is Hispanic or Latino	Percent of Population that is White alone, Non-Hispanic	Percent of Population that is Black or African American alone, Non-Hispanic	Percent of Population that is American Indian and Alaska Native alone, Non-Hispanic
1	117,690	4	57	32	1
2	38,292	3	70	17	2
3	63,021	7	61	26	0
4	34,144	6	38	47	0
5	53,079	7	61	29	0
6	103,309	4	49	21	1
7	39,444	10	16	71	1
8	76,695	4	60	26	0
9	32,917	11	57	23	0
10	33,995	3	60	32	0
11	44,398	5	58	32	1
12	48,841	6	37	45	0
13	52,924	2	79	14	0
14	41,336	4	44	38	0
15	89,469	7	58	8	0
16	62,017	5	63	28	0
17	<i>No Data</i>	0	100	0	0
18	74,647	5	61	30	0
19	70,809	10	57	29	0
20	62,120	1	55	37	0
21	68,689	4	79	13	0
22	46,176	7	75	11	0

#	Percent of Population that is Asian alone, Non-Hispanic	Percent of Population that is Native Hawaiian and Other Pacific Islander alone, Non-Hispanic	Percent of Population that is Some Other Race alone, Non-Hispanic	Percent of Population that is 2 or More Races, Non-Hispanic	Area(mi ²)
1	3	0	0	4	0.03
2	0	0	2	7	0.18
3	0	0	0	6	0.24
4	3	0	1	6	0.40
5	2	1	0	2	0.41
6	21	0	0	3	0.53
7	0	0	0	2	0.62
8	1	0	0	9	0.64
9	1	0	1	8	0.72
10	1	0	0	4	0.77
11	1	0	0	3	0.99
12	2	0	1	9	1.09
13	1	0	0	4	1.13
14	1	0	0	14	1.20
15	23	0	0	4	1.28
16	1	0	0	4	1.84
17	0	0	0	0	1.97
18	1	0	0	3	2.41
19	0	0	0	3	2.88
20	3	0	1	3	3.10
21	0	0	0	5	5.80
22	5	0	0	3	9.08

1) Environmental Conditions: Exposure Percentiles

#	1) Environmental Conditions: Exposure Percentiles	NATA Air Toxics Cancer Risks	NATA Respiratory Hazard Index	NATA Diesel Particulate Matter	Particulate Matter 2.5 (PM2.5)
1	53	54	60	66	62
2	73	77	90	81	74
3	67	61	72	76	65
4	55	62	66	66	68
5	61	62	70	75	66
6	63	65	72	73	72
7	66	63	71	72	67
8	65	59	69	76	64
9	62	64	69	70	67
10	60	64	69	69	68
11	65	63	71	71	67
12	66	61	71	73	66
13	59	63	70	65	69
14	65	67	78	71	68
15	58	64	68	68	70
16	66	68	79	71	71
17	66	63	72	71	68
18	62	63	68	62	69
19	52	53	59	64	64
20	67	70	79	77	73
21	56	57	66	65	66
22	64	67	74	67	69

#	Ozone	Traffic Proximity and Volume	Area(mi ²)
1	32	25	0.03
2	25	69	0.18
3	30	98	0.24
4	28	22	0.40
5	30	51	0.41
6	26	58	0.53
7	29	94	0.62
8	31	91	0.64
9	29	61	0.72
10	29	45	0.77
11	29	92	0.99
12	30	97	1.09
13	29	27	1.13
14	29	80	1.20
15	27	36	1.28
16	28	65	1.84
17	29	94	1.97
18	30	55	2.41
19	31	22	2.88
20	26	62	3.10
21	30	24	5.80
22	28	74	9.08

2) Environmental Conditions: Environmental Effects Percentiles

#	2) Environmental Conditions: Environmental Effects	Proximity to Cleanup Sites	Proximity to Hazardous Waste Facilities	Impaired Water Bodies	Proximity to Solid Waste Sites and Facilities
1	29	3	41	61	58
2	91	75	82	85	99
3	60	16	59	61	0
4	29	3	44	73	0
5	67	11	85	61	70
6	41	29	52	61	0
7	67	10	77	49	0
8	83	54	90	73	81
9	97	82	81	73	86
10	90	63	61	73	75
11	98	84	76	91	86
12	88	30	86	61	70
13	52	41	51	61	0
14	82	31	94	61	97
15	25	4	54	61	0
16	56	9	72	91	0
17	96	10	84	91	76
18	77	62	73	97	0
19	63	32	69	97	71
20	98	75	98	91	100
21	82	44	86	61	78
22	98	77	98	91	97

#	Lead Paint Indicator	Proximity to Risk Management Plan (RMP) Sites	Wastewater Discharge Indicator	Area(mi ²)
1	2	17	70	0.03
2	8	80	55	0.18
3	77	61	83	0.24
4	16	46	71	0.40
5	11	60	84	0.41
6	2	87	66	0.53
7	71	76	97	0.62
8	8	56	86	0.64
9	69	62	96	0.72
10	56	60	95	0.77
11	66	72	95	0.99
12	59	81	85	1.09
13	46	42	93	1.13
14	17	43	98	1.20
15	3	52	63	1.28
16	7	76	91	1.84
17	100	75	95	1.97
18	41	54	92	2.41
19	5	22	73	2.88
20	19	90	87	3.10
21	24	50	94	5.80
22	45	68	95	9.08

3) Population Characteristics: Sensitive Populations Percentiles

#	3) Population Characteristics: Sensitive Populations Percentiles	Asthma	Cardiovascular Disease	Low Birth Weight Infants	Lead Blood Level Suppressed
1	17	37	20	41	0
2	76	79	64	27	<i>No Data</i>
3	80	76	68	69	<i>No Data</i>
4	76	82	62	82	<i>No Data</i>
5	64	71	52	76	0
6	58	58	59	48	<i>No Data</i>
7	83	85	80	93	<i>No Data</i>
8	64	67	39	73	<i>No Data</i>
9	77	84	78	64	<i>No Data</i>
10	80	84	86	96	0
11	83	84	77	83	<i>No Data</i>
12	73	80	76	74	0
13	64	48	74	80	0
14	72	57	42	88	<i>No Data</i>
15	48	49	56	36	<i>No Data</i>
16	53	59	62	32	<i>No Data</i>
17	44	85	81	0	<i>No Data</i>
18	67	54	59	57	<i>No Data</i>
19	50	68	65	55	0
20	61	72	60	83	0
21	48	63	51	50	<i>No Data</i>
22	82	69	70	85	<i>No Data</i>

#	Life Expectancy Percentile	Life Expectancy	Area(mi ²)
1	24	80	0.03
2	97	69	0.18
3	62	77	0.24
4	<i>No Data</i>	<i>No Data</i>	0.40
5	74	75	0.41
6	37	79	0.53
7	81	74	0.62
8	37	79	0.64
9	70	76	0.72
10	90	72	0.77
11	93	71	0.99
12	85	73	1.09
13	71	76	1.13
14	75	75	1.20
15	11	82	1.28
16	30	79	1.84
17	<i>No Data</i>	<i>No Data</i>	1.97
18	68	76	2.41
19	40	79	2.88
20	50	78	3.10
21	10	82	5.80
22	89	72	9.08

4) Population Characteristics: Socioeconomic Factors Percentiles

#	4) Population Characteristics: Socioeconomic Factors Percentiles	Poverty	Percent Minority	Less Than High School Education	Linguistic Isolation
1	39	17	77	37	81
2	77	82	68	90	0
3	80	53	75	73	81
4	95	84	84	83	75
5	36	44	75	16	69
6	36	19	81	12	73
7	95	80	89	80	97
8	20	33	75	3	0
9	81	82	77	71	67
10	91	77	75	82	92
11	85	71	77	80	72
12	65	55	84	75	46
13	63	48	59	64	0
14	49	70	82	21	62
15	41	21	76	40	86
16	26	42	74	14	0
17	1	6	0	0	0
18	36	12	75	23	75
19	67	35	77	52	76
20	44	41	78	62	0
21	13	22	60	64	0
22	65	64	64	87	0

#	Individuals Under 5 Years Old	Individuals Over 64 Years Old	Unemployment	Housing Burden	Area(mi ²)
1	67	8	32	20	0.03
2	96	8	75	79	0.18
3	44	39	81	63	0.24
4	99	23	76	81	0.40
5	3	28	14	81	0.41
6	84	31	16	13	0.53
7	96	17	81	65	0.62
8	60	7	39	56	0.64
9	35	15	81	87	0.72
10	51	47	74	80	0.77
11	93	22	50	74	0.99
12	21	40	61	55	1.09
13	94	66	32	66	1.13
14	6	13	30	90	1.20
15	37	36	9	39	1.28
16	52	11	59	45	1.84
17	0	0	0	97	1.97
18	9	64	33	40	2.41
19	76	16	65	50	2.88
20	91	10	38	37	3.10
21	17	46	20	14	5.80
22	85	25	64	48	9.08

EJAM Report

3 Mile Ring Centered at NA, NA

Area in Square Miles: 28.27

Population: 48,935

EJScreen Multisite Report

This report summarizes environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.



Toxic Releases to Air	12,000	2,500	97	4,600	94
Traffic Proximity and Volume (daily traffic count/distance to road)	710,000	910,000	54	1,700,000	47
Lead Paint Indicator (% pre-1960s housing)	0.24	0.38	41	0.3	53
Superfund Proximity (site count/km distance)	0.00	0.28	0	0.39	0
RMP Proximity (facility count/km distance)	0.66	0.38	78	0.57	70
Hazardous Waste Proximity (facility count/km distance)	2.5	2.0	65	3.5	64
Underground Storage Tanks (UST) indicator	4.0	7.6	54	3.6	75
Wastewater Discharge Indicator (toxicity-weighted concentration/distance)	330	880	88	700,000	65
Drinking Water Non-Compliance	0.2	0.39	84	2.2	74
SOCIOECONOMIC INDICATORS					
Demographic Index USA	1.52	1.18	75	1.34	64
Supplemental Demographic Index USA	1.70	1.50	62	1.64	59
% Low Income	35%	31%	63	30%	63
% in limited English-speaking Households	1%	2%	77	5%	60
% Unemployed	9%	6%	76	6%	78
% with Less Than High School Education	9%	9%	65	11%	56
% under Age 5	6%	5%	61	5%	59
% over Age 64	14%	18%	37	18%	41
% People of Color	44%	26%	79	40%	61

Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. For each of the environmental indicators in EJScreen, there is an EJ Index and a Supplemental Index. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the EJScreen website.

EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

SELECTED VARIABLES	PERCENTILE IN STATE	PERCENTILE IN USA
EJ INDEXES		
Particulate Matter EJ Index	84	76
Ozone EJ Index	77	79
Nitrogen Dioxide (NO2) EJ Index	67	60
Diesel Particulate Matter EJ Index	72	56
Toxic Releases to Air EJ Index	85	83
Traffic Proximity and Volume EJ Index	71	61
Lead Paint EJ Index	64	65
Superfund Proximity EJ Index	0	0
RMP Proximity EJ Index	78	71
Hazardous Waste Proximity EJ Index	74	71
Underground Storage Tanks EJ Index	64	68
Wastewater Discharge EJ Index	88	74
Drinking Water Non-Compliance EJ Index	85	75
SUPPLEMENTAL EJ INDEXES		
Particulate Matter Supplemental EJ Index	81	78
Ozone Supplemental EJ Index	68	81
Nitrogen Dioxide (NO2) Supplemental EJ Index	56	54
Diesel Particulate Matter Supplemental EJ Index	64	50
Toxic Releases to Air Supplemental EJ Index	82	84
Traffic Proximity and Volume Supplemental EJ Index	64	58
Lead Paint Supplemental EJ Index	50	58
Superfund Proximity Supplemental EJ Index	0	0
RMP Proximity Supplemental EJ Index	72	69
Hazardous Waste Proximity Supplemental EJ Index	70	72
Underground Storage Tanks Supplemental EJ Index	54	64
Wastewater Discharge Supplemental EJ Index	86	72
Drinking Water Non-Compliance Supplemental EJ Index	83	73

SELECTED VARIABLES	VALUE
BREAKDOWN BY RACE	
% Hispanic or Latino	5%
% Black or African American (non-Hispanic, single race)	30%
% Asian (non-Hispanic, single race)	2%
% American Indian and Alaska Native (non-Hispanic, single race)	0%
% Native Hawaiian and Other Pacific Islander (non-Hispanic, single race)	0%
% Other race (non-Hispanic, single race)	1%
% Two or more races (non-Hispanic)	6%
% White (non-Hispanic, single race)	56%
BREAKDOWN BY GENDER	
% Male	49%
% Female	51%
LIMITED ENGLISH SPEAKING BREAKDOWN	
%Spanish lang (as %of limited English hhlds)	76%
%Other Indo-European lang (as %of limited English hhlds)	5%
%Asian-Pacific Island lang (as %of limited English hhlds)	2%
%Other lang (as %of limited English hhlds)	17%

Note: Diesel particulate matter index is from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations.

More information on the Air Toxics Data Update can be found at: <https://www.epa.gov/haps/air-toxics-data-update>

From: [Tyson, Kimberly \(EGLE\)](#)
To: [Terry, Vickie \(EGLE\)](#)
Cc: [Cazallis, Elizabeth \(EGLE\)](#)
Subject: FW: April 14, 2025: Environmental Justice and Limited English Proficiency Screenings 395812
Date: Tuesday, April 15, 2025 12:59:20 PM

Hi Vickie, please place Katie's response in CM.

Kimberly M. Tyson, P.E., Manager
Hazardous Waste Section
Materials Management Division
Michigan Department of Environment, Great Lakes, and Energy
517-388-2797, TysonK@Michigan.gov
Michigan.gov/EGLE

From: Lambeth, Katherine (EGLE) <LambethK@michigan.gov>
Sent: Tuesday, April 15, 2025 10:31 AM
To: Tyson, Kimberly (EGLE) <TYSONK@michigan.gov>
Subject: RE: April 14, 2025: Environmental Justice and Limited English Proficiency Screenings 395812

Good morning Kimberly,
I concur with the LEP results.

Thanks,

Katie (Kruse) Lambeth
Tribal Liaison
Nondiscrimination Compliance Coordinator
Language Access Coordinator
Executive Office
Michigan Department of Environment, Great Lakes, and Energy
517-249-0906 (cell) | lambethk@michigan.gov
[Follow Us | Michigan.gov/EGLE](http://Michigan.gov/EGLE)

From: Terry, Vickie (EGLE) <TerryV2@michigan.gov>
Sent: Monday, April 14, 2025 4:21 PM
To: Strong, Regina (EGLE) <StrongR1@michigan.gov>; Lambeth, Katherine (EGLE) <LambethK@michigan.gov>
Cc: Browne, Elizabeth (EGLE) <BROWNEE@michigan.gov>; Kecskemeti, Tracy (EGLE) <KECSKEMETIT@michigan.gov>; Tyson, Kimberly (EGLE) <TYSONK@michigan.gov>; Bott, Kevin (EGLE) <BottK@michigan.gov>; Hutchens, Kate (EGLE) <HutchensK1@michigan.gov>; Matlock, Christine (EGLE) <MatlockC2@michigan.gov>; Cazallis, Elizabeth (EGLE) <CazallisE@michigan.gov>; EGLE-MMD-HWS <EGLE-MMD-HWS@michigan.gov>
Subject: April 14, 2025: Environmental Justice and Limited English Proficiency Screenings 395812

Good afternoon,

The subject document is attached on behalf of the Management Division (MMD), Hazardous Waste Section.

Should you have any questions regarding this correspondence, please contact Kimberly Tyson, Manager, Hazardous Waste Section, MMD, at TysonK@Michigan.gov; 517-388-2797; or EGLE-MMD-HWS@Michigan.gov.

Sincerely,
Vickie Terry

Vickie Terry

Secretary

Hazardous Waste Section

Materials Management Division

Michigan Department of Environment, Great Lakes, and Energy

Email: TerryV2@Michigan.gov

Cell 517-256-9726 | Desk: 517-284-6546