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June 27, 2018

Mr. Brian Helminger, District Director  
Heart of the Valley Metropolitan Sewerage District  
801 Thilmany Road  
Kaukauna, WI 54130

Dear Mr. Helminger:

RE: Outagamie County Northwest Landfill Wastewater Acceptance

Outagamie County Recycling & Solid Waste (OCRSW) is currently planning for the development and operation of an expansion of its landfill located in the Village of Little Chute to continue meeting the solid waste disposal needs of local communities and businesses. Permitting of the expansion (referred to as the Northwest Landfill) is currently on-going. A requirement of the permitting process is to identify treatment options for the leachate which will be generated over the life of the landfill. OCRSW is formally requesting approval to discharge leachate from the Northwest Landfill to the Heart of the Valley wastewater treatment facility (HOTV) via an existing sanitary sewer located along Holland Road in the Village of Little Chute.

HOTV currently accepts leachate generated from the existing closed East Landfill and the active Northeast Landfill located on the same property at 1419 Holland Road. The Northwest Landfill would serve as a replacement disposal facility following completion of filling in the Northeast Landfill. The Northwest Landfill at its earliest projection would be needed in 2023-2024. Leachate generation rates will vary based on the amount of landfill area constructed and/or covered. Attachment 1 summarizes estimated generation rates including the East and Northeast Landfills. Leachate characteristics will be similar to the leachate from the Northeast Landfill. Historical leachate characteristics from the Northeast Landfill are summarized in Attachment 2.

Two options are being evaluated for the discharge point to the Village of Little Chute sanitary sewer system for the leachate. Option 1 is the existing discharge point located at the intersection of Holland Road and Elm Drive. Option 2 is a new forcemain to an existing manhole located near the intersection of French Road and Evergreen Drive.

OCRSW requests a written response to this notification as to the acceptance of the proposed treatment plan.

If you have any questions or comments, please feel free to contact me at (920) 832 5277.

Sincerely,

Brian Van Straten, Director  
Outagamie County Recycling & Solid Waste

Cc: James Fenlon, Village Administrator, Village of Little Chute

CITY OF APPLETON

LEACHATE QUANTITIES/GALLONS - WEST LANDFILL

	2010	2011	2012	2013	2014	2015	2016	2017	2018
JANUARY	374,111	390,280	206,222	422,940	135,670	225,850	464,254	417,960	154,840
FEBRUARY	174,890	401,569	243,900	216,241	129,890	139,170	498,119	293,039	121,160
MARCH	619,990	743,541	825,700	546,830	450,390	211,460	1,079,041	905,410	131,750
APRIL	590,560	2,126,420	318,189	1,685,810	1,081,990	555,899	893,870	1,201,941	884,130
MAY	358,390	853,500	549,651	341,279	818,570	309,330	356,680	924,870	924,470
JUNE	536,000	691,550	265,959	425,360	553,926	1,108,220	555,849	689,130	
JULY	1,062,690	292,390	195,141	306,031	459,649	221,551	354,251	649,210	
AUGUST	557,810	251,741	171,229	185,129	283,169	191,559	286,950	310,580	
SEPTEMBER	338,009	197,288	224,401	149,031	224,401	489,571	549,920	557,690	
OCTOBER	249,971	538,330	564,889	297,980	454,971	243,160	380,700	298,510	
NOVEMBER	364,000	732,260	240,150	537,310	173,710	389,860	388,700	192,980	
DECEMBER	197,140	340,048	165,191	188,110	451,470	1,093,854	352,410	152,950	
<b>YEARLY TOTALS</b>	<b>5,423,561</b>	<b>7,558,917</b>	<b>3,970,622</b>	<b>5,302,051</b>	<b>5,217,806</b>	<b>5,179,484</b>	<b>6,160,744</b>	<b>6,594,270</b>	<b>2,216,350</b>

HEART OF THE VALLEY

LEACHATE QUANTITIES/GALLONS - EAST LANDFILL

	2010	2011	2012	2013	2014	2015	2016	2017	2018
JANUARY	489,324	311,761	404,695	454,947	287,261	251,663	464,467	565,035	228,473
FEBRUARY	248,389	259,854	315,428	357,218	300,465	204,169	457,148	387,558	254,248
MARCH	650,785	506,019	436,013	519,086	586,965	256,463	741,789	525,050	184,950
APRIL	693,534	1,513,992	314,462	935,113	708,022	394,767	589,431	811,226	496,039
MAY	401,854	435,625	517,898	506,559	554,664	284,276	304,960	557,841	475,657
JUNE	631,776	586,034	232,741	382,614	735,070	504,507	608,420	507,167	
JULY	907,707	370,540	316,659	475,217	351,247	283,681	560,342	505,380	
AUGUST	530,623	287,606	315,820	312,338	375,771	226,200	705,159	182,260	
SEPTEMBER	411,378	361,884	229,424	278,134	444,488	260,701	641,376	268,035	
OCTOBER	280,173	415,551	367,757	257,173	304,844	225,299	748,339	226,075	
NOVEMBER	276,379	710,065	297,704	376,750	204,790	200,790	702,298	293,647	
DECEMBER	165,997	501,177	249,177	313,179	427,505	795,571	540,614	275,985	
<b>YEARLY TOTALS</b>	<b>5,687,919</b>	<b>6,260,108</b>	<b>3,997,778</b>	<b>5,168,328</b>	<b>5,281,092</b>	<b>3,888,087</b>	<b>7,064,343</b>	<b>5,105,259</b>	<b>1,639,367</b>

HEART OF THE VALLEY

LEACHATE QUANTITIES/GALLONS - NORTHEAST LANDFILL

	2010	2011	2012	2013	2014	2015	2016	2017	2018
JANUARY				340,959	60,735	193,475	362,420	867,114	539,469
FEBRUARY			62,894	164,331	70,985	270,500	611,303	385,628	627,308
MARCH			1,474,392	484,794	219,121	356,703	846,888	628,184	715,811
APRIL			1,051,783	583,827	379,487	739,015	475,742	498,731	1,859,780
MAY			1,449,504	261,644	258,736	583,645	356,680	677,555	1,126,296
JUNE			537,628	294,174	345,756	1,132,036	555,849	738,218	
JULY			682,694	270,215	204,043	312,796	230,766	394,756	
AUGUST			364,997	98,446	266,319	314,683	192,476	363,423	
SEPTEMBER			51,226	83,639	51,226	735,202	537,174	553,060	
OCTOBER			1,048,833	87,024	254,078	303,918	284,660	727,717	
NOVEMBER			127,367	251,710	180,903	367,286	378,270	352,407	
DECEMBER			94,987	68,851	476,525	943,891	603,115	334,697	
<b>YEARLY TOTALS</b>	<b>-</b>	<b>-</b>	<b>6,946,305</b>	<b>2,989,614</b>	<b>2,767,914</b>	<b>6,253,150</b>	<b>5,435,343</b>	<b>6,521,490</b>	<b>4,868,664</b>

Note: April 2007 shipped directly to Wastewater Treatment with Vans' during the time our pumps were being repaired.

Note: January 2011 - leachate recirculation starts

Note: February 2012 - NE Landfill Active