

NR 216 Related Activities 2017-2018

Background

Public Health Madison and Dane County (PHMDC) engages in several activities related to storm water quality. Two City of Madison ordinances, promulgated circa 1975, direct these efforts, Madison General Ordinance (MGO) 7.46 and MGO 7.47.

MGO 7.46 “is designed to prevent any potentially polluting substance from reaching lakes or streams where it can create hazard to health, a nuisance, or produce ecological damage, and to assess responsibility and costs of clean-up to the responsible party”. It prohibits releases, discharges and unsecure storage of potentially polluting substances. Further, the ordinance provides penalties and assigns enforcement responsibility to PHMDC.

MGO 7.47 requires a discharge license from PHMDC for point-source discharges to the storm sewer system within the City of Madison. Its goal is to ensure permitted discharges are of suitable quantity and quality to prevent degradation of surface and groundwater within the City’s jurisdiction.

More recent programs and additions to the code of ordinances further address non-point source pollution. MGO 7.48 regulates or prohibits the sale or use of phosphorus containing fertilizer and Dane County Code of Ordinances Chapter 80.0 prohibits the application of high Polycyclic Aromatic Hydrocarbons (PAH), Coal-Tar Sealcoat.

Illicit Discharge Detection and Elimination

The Illicit Discharge Detection and Elimination (IDDE) program surveys all 590 major outfalls in the City on a four year rotation. City of Madison Engineering surveys one quarter of the outfalls once each year. They notify PHMDC whenever standing water with unusual characteristics or flowing water is found. We sample, analyze, and determine if the water quality indicates the presence of an inappropriate source.

Escherichia coli (*E. coli*) levels are used as the primary indicator of a sanitary discharge in a flowing storm sewer. Any result greater than 1,000 MPN (Most Probable Number)/100mL (level that triggers a beach closure) coupled with a positive fluoride and high ammonia and/or potassium results is considered suspect. Other analytes used and their trigger levels are as follows:

- Calcium and magnesium are used for hardness calculations. Hardness can be used in conjunction with fluoride concentration to determine the approximate ratio of storm water and municipal water in a sample. Excessive hardness can also indicate evaporation. Hardness above 500 mg CaCO₃/L is abnormal.
- Fluoride is maintained in the City’s municipal drinking water at 0.7-0.8 mg/L. Sample concentration can be used to determine the approximate ratio of storm water and municipal water. Fluoride levels above 0.3 mg/L in standing water suggest municipal water influence.
- Ammonia is an indicator of sanitary waste. Concentrations over 1 mg/L are considered high.

- Dissolved oxygen is measured during sample collection. Values less than 4 mg/L are considered low.
- Total phosphorus is used as an indicator of nutrient load.
- Potassium is an indicator of sanitary waste. Concentrations greater than 5 mg/L are high. An Ammonia to potassium ratio greater than one is a strong indicator of sanitary waste.

High *E. coli*, ammonia, or potassium in a storm sewer with standing water result in checking for resident raccoons (*Procyon lotor*) before searching for a sanitary sewer input. This is accomplished by hanging marshmallows in storm sewer inlets near the suspect standing water. The sites are checked at 24 and 48 hour intervals. Missing marshmallows within 48 hours are considered positive tests for resident raccoons. A resident population of raccoons will cause significant water quality degradation to standing water in a storm sewer. Therefore, no further investigation is conducted when resident raccoons are noted unless fluoride levels are similar to drinking water.

In 2017, Engineering identified six storm sewer structures with flowing water. Two of these required further investigation. Both sewer lines were traced back to their origins. No source was found for either flow. The discharges were likely inflow from shallow groundwater. There were no flowing storm sewers discovered during the survey of 2018.

In addition to storm sewer screening, PHMDC investigates complaints of illegal dumping and questionable discharges. City field personnel are trained annually in identification and reporting of potential surface water pollutants. Approximately 100 employees from Engineering, Parks, and Water Utility received training in 2017 and again in 2018. Furthermore, about 25 civil engineers and planners from other municipalities in the watershed attended a training session. Another session for roughly 50 field staff from surrounding municipalities was recorded and posted to the Dane County storm water improvement website. In 2018, the local power utility hosted a training session for their contractors. About 40 people were in attendance.

Investigations are tabulated below. Black font indicates a violation was discovered by incidental observation from the environmental protection unit or lab staff. Red font indicates field staff trained in IDDE observation reported the issue. Citizen complaints and referrals from other departments are indicated by blue font. Bold font show locations outside the City of Madison. The responsible party is billed for clean-up when Engineering performs remediation.

Table 1

DATE	ADDRESS	ISSUE	OUTCOME
1/5/17	204 S Thornton Ave	Discharge of contaminated groundwater	No violation
2/20/17	120 S Fairchild St	Discharge of waste water	No violation
2/22/17	3910 Mineral Point Rd	Sediment laden discharge	RP corrected
2/22/17	5201 University Ave	Waste water discharge	Citation: \$313
3/2/17	1 E Main St	Concrete waste discharge	Citation : \$313
3/9/17	800 E Washington Ave	Debris from tree trimming in street	Referred to Parks
3/16/17	5710 Mineral Point Rd	Deicing salt spill	RP corrected
3/29/17	3734 Speedway Rd	Concrete waste discharge	RP corrected
3/30/17	548 W Johnson St	Styrofoam release	No source found
4/3/17	149 E Wilson St	Improper demo procedures	Referred to BI
4/6/17	1922 Raptor Dr	Paint waste discharge	Warning issued
4/6/17	3497 Hargrove St	Sediment laden discharge	RP corrected
4/6/17	4502 Milwaukee St	Sawdust deposited in street	Referred to Parks
4/19/17	6771 University Ave	Discharge of concrete waste	Referred to Middleton
4/24/17	514 Division St	Discharge of cleaning waste	Referred for prosecution
4/25/17	514 Division St	Discharge of cleaning waste	Referred for prosecution
5/1/17	2002 Pankratz St	Discharge of brewery waste	RP corrected
5/1/17	515 University Ave	Styrofoam release	RP corrected
5/25/17	1402 Sycamore Ave	Grass clippings left on pavement	Referred to Engineering
6/6/17	122 W Main St	Discharge of concrete waste	Source unknown
6/9/17	Hwy 30	Discharge of concrete waste	RP corrected
6/12/17	211 E Main St	Restaurant hood cleaning discharge	Referred to Stoughton
6/12/17	1010 Ann St	Grass clippings left in street	Sweeper dispatched
6/14/17	601 Bay View	No sediment control	Referred to Engineering
6/15/17	226 State St	Cooking oil spill	Vandalism, RP corrected
6/16/17	Tenney Locks	River is blue, foamy	Algae bloom
6/20/17	122 W Mifflin St	Discharge of concrete waste	Citation: \$313

DATE	ADDRESS	ISSUE	OUTCOME
6/20/17	609 E Washington Ave	Discharge of concrete waste	RP corrected
7/6/17	2302 Fish Hatchery Rd	Discharge of paint waste	Referred for prosecution
7/11/17	2501 Royal Ave	Coal tar application	No violation
7/17/17	4714 Hammersley Rd	Discharge of water	Fire suppression system test
7/17/17	3601 Nakoma Rd	Discharge w/o sediment control	Citation: \$313
7/20/17	University Ave	Discharge w/o sediment control	Warning issued
7/25/17	Atwood Ave bridge	Discharge of concrete waste	Referred for prosecution
7/25/17	1524 Williamson St	Discharge of waste water	Warning issued
7/25/17	2947 University Ave	Dumpster cleaning procedure ?	Consultation
7/26/17	152 Dixon St	Incomplete clean-up of hydraulic oil release	Engineering corrected
7/26/17	446 Holly Ave	Sawdust deposited in street	Referred for prosecution
7/27/17	4209 Dwight St	Discharge of paint waste	Warning issued
7/28/17	428 Livingston St	Discharge of concrete waste	Citation: \$313
8/1/17	458 S Owen Dr	Discharge of concrete waste	Referred for prosecution
8/2/17	209 Ramsey Ct	Sewage discharge	RP corrected
8/3/17	602 Cottage Grove Rd	Grease trap overflow	RP corrected
8/3/17	Capitol Square	Street festival storm water impact assessment	Action needed
8/4/17	3221 Milwaukee St	Sawdust deposited in street	Referred for prosecution
8/8/17	1 W Wilson St	Discharge of concrete waste	Referred to Engineering
8/10/17	111 S Hamilton St	Discharge of dumpster leachate	RP corrected
8/14/17	2717 Hammersley Rd	Discharge of concrete waste	Referred for prosecution
8/22/17	Sheboygan Ave	Sawdust deposited in street	
8/24/17	1330 Regent St	Discharge of cleaning waste water	Warning issued
8/24/17	1821 Regent St	Discharge of concrete waste	Referred for prosecution
8/29/17	125 N Ingersoll St	Discharge of waste to storm sewer	Warning issued
9/7/17	615 Mayfair Ave	Sediment laden discharge	Water main break
9/28/17	2501 S Stoughton Rd	Discharge of waste water	No violation

DATE	ADDRESS	ISSUE	OUTCOME
10/5/17	739 E Johnson St	Sawdust deposited in street	
10/16/17	502 N Midvale Blvd	Concrete spill	Streets cleaned up
10/17/17	303 N Hamilton St	Oil sheen at outfall	RP not found
10/26/17	6001 Femrite Dr	Discharge of seal coat	Referred to WDNR
11/2/17	4317 Tokay Blvd	Discharge of concrete waste	Referred for prosecution
11/25/17	6754 Odana Rd	Restaurant hood cleaning	No violation
12/7/17	1525 Williamson St	Discharge of concrete waste	Warning issued
12/13/17	4822 University Ave	Discharge of bentonite slurry	RP corrected
12/14/17	2330 Atwood Ave	Discharge of waste water	Warning issued
12/15/17	201 W Mifflin St	Discharge of waste water	Foundation drain
1/8/18	699 S Whitney Way	Car wash drain plugged	Citation: \$313
1/11/18	4100 Monona Dr	Excessive deicing salt application	No violation
1/12/18	1701 Wright St	Excessive deicing salt application	RP corrected
1/24/18	423 Warbler Ln	Plugged sanitary sewer line	Referred to sanitarian
1/26/18	2002 S Gammon Rd	Deicing salt spill	RP not found
2/1/18	4201 sycamore Ave	Vehicle leaking motor oil	RP corrected
2/14/18	2424 University Ave	Sanitary sewer overflow	Citation: \$313
2/22/18	2701 Progress Rd	Discharge of bentonite slurry	Engineering cleaned up
3/15/18	216 Cottage Grove Rd	Excessive deicing salt application	No violation
3/20/18	901 E Washington Ave	Release of Styrofoam beads	RP corrected
3/21/18	519 State St	Discharge of cooking oil	Referred for prosecution
3/23/18	1779 Norman Way	Broken sanitary line	RP corrected
3/26/18	3401 E Washington Ave	Fire suppressant foam discharge	Engineering cleaned up
3/29/18	803 E Washington Ave	Discharge of concrete waste	Citation: \$691
4/6/18	337 E Sunset Ct	Discharge of concrete waste	Referred to Engineering
4/6/18	Doyle Square	Discharge of concrete waste	Warning issued
4/19/18	Lake Mendota	Discharge of sediment to lake	Proper controls used

DATE	ADDRESS	ISSUE	OUTCOME
5/4/18	215 Martin Luther King Jr Blvd	Sediment laden discharge	Citation: \$313
5/22/18	1 John Nolen Dr	Sediment laden discharge	No violation
6/4/18	2574 Hoard St	Sinkhole	Referred to Engineering
6/8/18	Lakeside St	Sediment laden discharge	No violation
6/11/18	1 N Bedford St	Sediment laden discharge	Referred for prosecution
6/18/18	921 Oakland Ave	Sediment deposits in street	RP corrected
6/21/18	3255 Monroe St	Sanitary sewer overflow	RP corrected
6/26/18	2827 Atwood Ave	Grease trap overflow	RP corrected
6/26/18	3821 Dennett Dr	Discharge of automotive fluids	Citation issued by BI
7/3/18	1 W Dayton St	Carpet cleaning waste discharge	Warning issued
7/3/18	115 S Paterson St	Sediment tracking	RP corrected
7/9/18	2302 Packers Ave	Coal tar sealant application	No violation
7/9/18	2418 N Sherman Ave	Coal tar sealant application	No violation
7/9/18	4611 Verona Rd	Coal tar sealant application	No violation
7/9/18	3801 Hwy M	Coal tar sealant application	No violation
7/17/18	1102 E Washington Ave	Concrete waste discharge	Warning issued
7/23/18	6718 Odana Rd	Discharge of dumpster leachate	Citation: \$313
7/24/18	110 S Patterson St	Discharge of concrete waste	Warning issued
7/24/19	314 S Orchard St	Discharge of paint waste	RP not found
7/24/18	4820 Hayes Rd	Coal tar sealant application	No violation
7/25/18	905 Merrill Springs Rd	Discharge of paint waste	RP not found
7/27/18	1325 Debra Ln	Discharge of paint waste	No violation
8/8/18	3394 E Washington Ave	Fertilizer application on sidewalk	RP corrected
8/20/18	1618 Jefferson St	Discharge of paint waste	Warning issued
9/10/18	402 Luster Ave	Overspray of herbicide	Unable to verify
9/17/18	1514 Packers Ave	Fuel oil spill on soil	Owner remediated
11/28/18	Town of Roxbury	Illegal dumping of yard waste	Referred to DCLWR
12/4/18	626 S Park St	Restaurant hood cleaning waste discharge	Citation: \$313

Complete files for each issue are in separate, attached files.

Letters are sent annually summarizing proper wastewater disposal or product application procedures to all business types that have a history of illicit discharges (concrete contractors, carpet cleaning, pressure washing, and lawn care companies). The letters are sent in late winter to ensure all contractors are informed before the start of the construction season. Copies of the letters and a list of the businesses receiving them are in the Appendix A.

Non-storm water discharges

There are 163 licensed discharges to the storm sewer system, comprised mostly of swimming pool and non-contact cooling waters. The number of licenses in each of the six discharge volume categories is:

<u>Gallons per year</u>	<u>Number of discharges</u>
< 50,000	76
50,000-100,000	45
100,001-1,000,000	26
1,000,001-10,000,000	10
10,000,001-100,000,000	5
>100,000,000	2

In the past biennium, 197 pool samples were analyzed for permit compliance. Results are tabulated below. Metals and phosphorus values are for total recoverable forms. For values with non-detects, half the LOD was used.

Table 2

	Total Chloride mg/L	Copper µg/L	Lead µg/L	Nickel µg/L	Phosphorus mg/L	Zinc µg/L
Minimum	16	2.1	1.05	0.65	0.002	0.2
1 st Quartile	227	12.5	1.05	0.65	0.145	12.7
Median	604	24.6	1.05	0.65	0.256	23.2
3 rd Quartile	1000	58.5	1.05	1.86	0.522	45.1
Maximum	5600	3430	4.46	38.1	8.09	306

Monthly outfall monitoring

Grab samples were collected monthly from seven outfalls into Lake Mendota, Lake Monona, Dunn's Marsh, and from one storm water retention pond. Ninety two samples were analyzed in the past two years. The minimum, median, maximum, and first and third quartiles are presented in table 3 for total chloride, total

recoverable chromium, total recoverable copper, calculated hardness, total recoverable iron, ammonia, nitrate, dissolved reactive phosphorus, total phosphorus, sodium and zinc.

Table 3

	Cl ⁻ mg/L	Cr µg/L	Cu µg/L	Hard mg/L	Fe mg/L	NH ₃ mg/L	NO ₃ Mg/L	DRP Mg/L	P _T µg/L	Na mg/L	Zn µg/L
Min	9.5	0.15	0.45	32.2	0.004	0.007	0.05	0.011	0.009	7.2	1.8
25%	115	0.3	4.14	271	0.042	0.007	0.88	0.026	0.029	55.0	4.6
Median	173	0.70	7.25	374	0.119	0.020	1.61	0.043	0.092	94.1	7.6
75%	400	1.14	13.2	509	0.521	0.054	2.21	0.081	0.155	197	15.2
Max	1710	2.62	101	805	2.710	0.663	3.59	0.617	0.732	984	110

Additional elements analyzed were: aluminum, arsenic, barium, cadmium molybdenum, nickel, manganese, and lead (total recoverable form for all). Arsenic was detected three times out of 90 samples, with a maximum level of 5.4 micrograms per liter. Lead was over the minimum detection limit five times out of 90 samples, with a maximum concentration of 7.5 micrograms per liter.

Monthly road salt monitoring

Samples were collected at the outlets of the Yahara Lakes, Dunn's Marsh, the Yahara River upstream from Lake Mendota, and the Nakoma Road spring each month to monitor long-term effects of road salt use. Eight additional creeks were added to the sampling sites in 2018 to characterize their contributions to lake water quality. Additional long-term water quality monitoring is achieved through analysis of the suite of metals and nutrients used for outfall analysis. Two hundred thirty one samples were analyzed in the past two years.

Water quality monitoring of Starkweather Creek

Water quality monitoring of Starkweather Creek was started in 2008 to assess trends in water quality, document the impact of road salt, and detect illicit discharges to the creek. Sampling sites were established to isolate the different sections of the stream. Both branches (west and east) are sampled as near to the headwaters as practical. The west branch is sampled downstream of the airport to detect changes in water quality caused by airport operations. Both branches are sampled again before they merge and a final sample point is near the mouth of the creek at Lake Monona.

The creek is monitored for common metals, nutrients, bacteria, road salt, and dissolved oxygen. Sixty eight samples were collected in the past two years. Sections of Starkweather Creek are seasonally impaired by low dissolved oxygen or high chloride concentrations.

APPENDIX A

BMP Letter Recipients 2017

CONCRETE CONTRACTORS	LAWN CARE	CARPET CLEANERS
A&E Concrete Construction	Accurate Lawn Care LLC	A Clean Carpet and Upholstery
Advanced Concrete	Ace Mulches LLC	A J Specialty Services Inc
Ageless Concrete	Alpine Lawn Care	AAA Madison Carpet Cleaning
Bachman Construction Co	Anderson Lawn Service	BD Clean LLC
Bauer & Raether Builders	Badger Lawn Professionals	Capital City Carpet Cleaning
Becker Construction	Badger Pro Landscape Service	Carpet Care Experts LLC
Benninger Concrete Construction	Barnes	Carpet Clinic
Benschop Concrete Construction	Big Country Lawn Care	Clean Team Madison
Butches Concrete & Excavation	Bill's Lawn Service	'Clean Trax Maintenance
Capitol City Concrete	Boley Tree and Landscape	Concept Cleaning Co
Carpenter Construction	Bonner Lawn and Landscape LLC	Crown Carpet Care
Casey Concrete & Construction	Breunig Lawn Care	Designer's Choice Upholstery
Chris Construction Corp	Caretakers	Duff's Carpet Cleaning
Chris Foss Contractors	Carrington Lawn Service LLC	Ever Fresh Carpet & Floor Care
Chrisler Concrete	Chapin Services	Helbach Cleaning Services
Cliff's Custom Concrete	Clear Cut Lawn Service	Access Janitorial Plus Inc
Conco Concrete Construction	Complete Lawn and Garden Service	Jerry's Carpet Service
D & K Concrete Construction	Cutting Edge Lawn Care	Mackesey Carpet Cleaning LLC
D & M Concrete	David J Frank	Madison Area Carpet Cleaners
Dan's Concrete	Earthscapes	Maintenance Services of Madison Inc
Decorative Concrete Services	Evan's Landscape	Mass Carpet Care LLC
Docken Concrete	Evergreen Everbloom	Northern Building Maintenance
E P McMahon & Sons	Evergreen Lawn Care	Northland Carpet Cleaning
Eastside Concrete Construction	Fabick Lawn Care	P & H Carpet Installation
E C Voit & Sons	Fourleaf Lawn Care	Precision Cleaning
Economy Cement	Target Stores	Preferred Carpet Cleaning
F & M Concrete	Glacier Landscape Inc	Procarpet of Dane Co
Feuling Concrete Construction	Green Acres Lawn Service	R & Carpet Cleaning
Fink's Construction	Habitats	Rainbow International of Dane Co
Fisher Concrete	Hanson Family Lawn Care	Renew Carpet and Upholstery Care
Fisher Construction	Hugo Lawn Service	Renovation Floor Care
Foust Foundations	J & B Lawn Service	Restoration Specialists
Hard Rock Sawing and Drilling	Jesse's Lawn Care	RestorX
Hermanson Concrete and Masonry	Keyman Lawn Care	Sears Carpet & Upholstery & Airduct Cleaning
Homborg Contractors	Landscape Care Co	Servicemaster Clean
Hottman Construction	Landscapes Design	Servicemaster Restoration
Interstate Sawing Co	Lawn Doctor of Madison	Stanley Steamer
JB Crete Inc	Lawn care Plus	Stanley Steamer Carpet Cleaners
Joe Daniel's Construction	Lawns by Tim LLC	Steam and Dry Madison
Jones Concrete Products	Lawns Unlimited	TC Carpet Care
K & M Concrete	Leisure Lawns	Twoie Gallagher Floor Refinishing
Kittleson Concrete	Madison Horticulture Service	Ultimate Carpet Cleaning LLC
Krizan Concrete	Manthe Lawn Service	White Knight Carpet Rescue
Legler Concrete	Maple Leaf Inc	Zerorez Madison
Lovell Concrete	Messner Landscape Maintenance	Steam Plus
Lycon Inc	Miller Rhode	Brother's Cleaning and Painting

Malibu Pools	Mother Earth's Lawn Care	
Meade Construction	Naturescape	
Middleton Construction	Norland Landscape	
Midwest Concrete Contractors	Northern Landscape Service	
MJM Concrete Lifting	Olson-Toon Landscaping	
Morrick Concrete	PFD LLC	
Nature Stone of Madison	Precision Mowing	
Nelson Mud Jacking	Property Services of Madison	
Newman Concrete Lifting	Proscapes	
O'Neil Construction Inc	Quality Mowing Services	
Parisi Construction	Richardson Lawn Care	
Peckham Landscaping and Excavating	Rick's Lawn and Garden LLC	
R&R Concrete	Schmidt Landscape Services Inc	
Rockcrete	Scott's Lawn Service Inc	
Rutland Concrete Construction	Spectrum Home Services	
Steel Forms Construction	Superlawns LLC	
Sun Prairie Concrete Inc	The Bruce Co	
The Concrete Company	The Care of Trees and Turf	
The Concrete Remover	Tiplok Home Services	
Tom Hellenbrand Bobcat Service & Concrete Removal	Top 2 Bottom Lawn Care	
Wingra Redi-Mix Inc	Top Cut Lawn Service	
Wirth Construction	Trugreen	
Woodland Construction	Weed Man	
Bauer & Raether Builders Inc	Windsor Lawns	
C&C Concrete	Haus Services LLC	
Mr Concrete		
K & S Energy		
Raymond Cattell Inc		
KSW Construction		
Intercon Construction		
Kraemer Brothers Inc		
Michaels Construction		
Paradise Valley Concrete		

PRESSURE WASHING	SEAL COAT	FETILIZER SALES	MARKETS
A Super Painters	7 Hills Striping Inc	Ace Hardware Center	Asian Midway Foods
Accent Painting	American Seal and Stripe	Ace Hilldale	Copps
Accurate Power Washing	Asphalt and Concrete Specialties	Ace Lakeside Hardware	Copps
Action Professional Window Cleaning	Asphalt Maintenance Systems	Dorn True Value	Pick N Save
American Painting Co	B&D Sealcoating	Dorn True Value	Pick N Save
Summit Companies	Badger Asphalt	Farm & Fleet	Metcalf's Sentry
Badger Spray	Badger Blacktop Sealing	Farm & Fleet	Hy-Vee
Brent's Fine Painting LLC	Bartelt Enterprises	Home Depot	Jennifer St Market
CCR & Co	C & M Asphalt	Home Depot	Knoche's Food Center
Classic Concepts Painting	Davis Constr of Portage	Jung Garden Centers	Willy St Grocery Coop
Clearview Window Washing	Directional Striping Co	Jung Garden Centers	Target Stores
Cubic Wall Systems	DNS Asphalt	Menard's	Target Stores

Eco-reliable LLC	DRS LTD	Menard's East	Target Stores
Ellingson Pro-clean Inc	Fahrner Asphalt Sealers LLC	Menard's West	Target Stores
Extreme Painting	Fink's Paving & Excavating	North Side True Value	Whole Foods Market
Genesis Painting	Four Lakes Paving Co Inc	Paradigm Gardens	Willy St Grocery Coop
Glacier Painting	General Asphalt	Quality True Value	Woodman's Markets
Gottschalk Painting	Hallman Asphalt Paving	Shopko	Hy-Vee
Haus Services LLC	Hinzman Balcktop	Shopko	Metro Market
Hood Clenaing Inc	JD Hellenbrand	Shopko	Pick N Save
Hoodz of Greater Madison	Marks and Stripes	Target	Metcalf's Sentry
Kvalheim Kountry Painters	Midwest Asphalt Maint	Target	Metcalf's Sentry
PFD LLC	Modern Striping	Wal-Mart	Metro Market
Servicemaster Cleaning	NR Asphalt Pavement	Wal-Mart	Hy-Vee
Squeege Plus	O & H Sealcoating	Target Stores	Pick N Save
Stefan Schmidt Painting LLC	Poblocki Paving Corp	Target Stores	
Thrift Painting	Renu Sealcoating		
Tiplock	Struck and Irwin Paving		
Top 2 Bottom Lawncare	Tri-County Paving		
TW Painting	United Paving		
Warden and Son	Tri-county Sealcoating Inc		
Ziegler Pressure Washing	Wolf Paving		
New Look Painting	Well's Paving		
BD Clean LLC	Asphalt Reheat Systems		
AMD	Payne and Dolan		
Shon & Mike's Hood Cleaning	Summerseal Asphalt Maintenance		
Tom's Painting	Quality Sealcoat Co		
Peter Onsager Painting			
Best Painting Service			
Tru Colors Painting			
Eric Welch Painting			
Megna Painting			
Peter's Painting			
Brent's Fine Painting			
Frontier Hood Services LLC			
American Pressure Cleaning			

BMP Letter Recipients 2018

CONCRETE CONTRACTORS	LAWN CARE	CARPET CLEANERS
A&E Concrete Construction	Accurate Lawn Care LLC	A Clean Carpet and Upholstery
Advanced Concrete	Ace Mulches LLC	A J Specialty Services Inc
Ageless Concrete	Alpine Lawn Care	AAA Madison Carpet Cleaning
Bachman Constr co	Anderson Lawn Service	BD Clean LLC
Bauer & Raether Builders	Badger Lawn Professionals	Capital City Carpet Cleaning
Bauer & Raether Builders Inc	Badger Pro Landscape Service Inc	Carpet Care Experts LLC
Becker Construction	Barnes	Carpet Clinic
Benninger Concrete Constr	Big Country Lawn Care	Clean Team Madison
Benschop Concrete Constr	Bill's Lawn Service	'Cleen Trax Maintenance
Bullhead Construction	Boley Tree and Landscape	Concept Cleaning Co
Butches Concrete & Excavating	Bonner Lawn and Landscape LLC	Crown Carpet Care

C&C Concrete	Breunig Lawn Care	Designers Choice Upholstery
Capitol City Concrete	Caretakers	Duffs Carpet Cleaning
Carpenter Construction	Carrington Lawn Care LLC	Ever Fresh Carpet & Floor Care
Casey Concrete & Constr	Chapin Services	Hellbach Cleaning Services
Chris Construction Corp	Clear Cut Lawn Service	Access Janitorial Plus Inc
Chris Foss Contractors	Complete Lawn and Garden Service	Jerry's Carpet Service
Cliffs Custom Concrete	Cutting Edge Lawn Care	Mackesey Carpet Cleaning LLC
Conco Concrete Constr	David J Frank	Madison Area Carpet Cleaners
Core Vac	Earthscapes	Maintenance Services of Madison Inc
D&k Concrete Constr	Evan's Landscape	Mass Carpet Care LLC
D & M Concrete	Evergreen Everbloom	Northern Bldg Maintenance
Dane County Contracting	Evergreen Lawn Care	Northland Carpet Cleaning
Dan's Concrete	Fabick Lawn Care	P & h Carpet Installation
Decorative Concrete Systems	Fourleaf Lawncare	Precision Cleaning
Docken Concrete	Ganshert Nursery	Preferred Carpet Cleaning
Eastside Concrete Constr	Glacier Landscape Inc	Procarpet of Dane Co
EC Voit & Sons	Green Acres Lawn Service	R&R Carpet Cleaning
Economy Cement	Habitats	Rainbow International of Dane County
Elastizell	Hanson Family Lawn Care	Renew Carpet and Upholstery Cleaning
F&M Concrete	Hugo Lawn Service	Renovation Floor Care
Feuling Concrete Constr	J&B Lawn Service	Restoration Specialists
Finks Concrete	Jesse's Lawn Care	Restorx
Fisher Concrete	Keyman Lawn Care	Sears Carpet & Upholstery & Airduct Cleaning
Fisher Construction	Landscape Care Co	Servicemaster Clean
Foust Foundation	Landscapes Design	Servicemaster Restoration
Great Lakes Power Vac	Lawn Doctor of Madison	Stanley Steamer
Hard Rock Sawing & Drilling	Lawncare Plus	Stanley Steamer Carpet Cleaners
Hermanson Concrete & Masonry	Lawns by Tim LLC	Steam and Dry Madison
Homburg Contractors	Lawns Unlimited	TC Carpet Care
Hottmann Constr	Leisure Lawns	Twoie Gallagher Floor Refinishing
Intercon Construction	Madison Horticultural Service	Ultimate Carpet Cleaning LLC
Interstate Sawing Co	Manthe Lawn Care	White Knight Carpet Rescue
JB Crete Inc	Maple Leaf Inc	Zeroez Madison
Joe Daniels Constr	Messner Landscape Maintenance	Steam Plus
Jones Concrete Products	Miller Rohde	Brothers Cleaning and Painting
K&M Concrete	Mother Earth's Organics	
K&S Energy	Naturescapes	
Kittleson Concrete	Norland Landscape	
Kraemer Bros	Northern Landscape Service	
Krizan Concrete	Olson Toon Landscaping	
KSW Construction	PFD LLC	
Legler Concrete	Precision Mowing	
Lovell Concrete	Property Services of Madison	
Lycon Inc	Proscapes	
Malibu Pools	Quality Mowing Service	
Meade Construction Co	Richardson Lawn Care	
Michaels Construction	Rick's Lawn and Garden LLC	
Middleton Construction	Schmidt Landscape Service Inc	
Midwest Concrete Contractors	Scott's Lawn Service	
MJM Concrete Lifting	Spectrum Home Services	
Morrick Concrete	Superlawns LLC	

Mr Concrete	The Bruce Co	
Nature Stone of Wisconsin	The Care of Trees and Turf	
Nelson Mud Jacking	Tiplok Home Service	
Newman Concrete Lifting	Top 2 Bottom Lawncare	
Norcon Corp	Top Cut Lawn Service	
O'Neil Concrete LLC	Trugreen	
Paradise Valley Concrete	Weed Man	
Parisi Construction	Windsor Lawns	
Peckham Landscaping & Excavating	Haus Services LLC	
RG Huston	John Flatman Precision Mowing	
Raymond Cattell Inc	Green & Gold Lawn Service	
Rockcrete		
Rutland Concrete Constr		
Steel Forms Construction		
Sun Prairie Concrete Inc		
The Concrete Company		
The Concrete Remover		
Tom Hellenbrand Bobcat Service & Concrete Removal		
Wingra Redi-mix Inc		
Wirth Concrete		
Woodland Construction		

PRESSURE WASHING	SEAL COAT	FETILIZER SALES	MARKETS
A Super Painters	7 Hills Striping Inc	Ace Hardware Center	Asian Midway Foods
Accent Painting	American Seal and Stripe	Ace Hilldale	Copp's
Accurate Power Washing	Asphalt & Concrete Specialties	Ace Lakeside Hardware	Copp's
Action Professional Window Cleaning	Asphalt Maintenance Systems	Dorn True Value	Pick N Save
AMD	B&D Sealcoating	Dorn True Value	Pick N Save
American Painting Co	Badger Asphalt	Farm & Fleet	Metcalf's Sentry
American Pressure Cleaning	Badger Blacktop Sealing	Farm & Fleet	Hy-Vee
Badger Spray	Bartelt Enterprises	Home Depot	Jennifer St Market
BD Clean LLC	C&M Asphalt	Home Depot	Knoche's Food Center
Best Painting Service	Davis Constr of Portage	Jung Garden Centers	Willy St Grocery Coop
Brent's Fine Painting	Directional Striping	Jung Garden Centers	Target Stores
Brent's Fine Painting LLC	DNS Asphalt	Menards	Target Stores
CCR & Co	DRS Ltd	Menards East	Target Stores
Classic Concepts Painting	Fahrner Asphalt Sealers LLC	Menards West	Target Stores
Clearview Window Washing	Fink's Paving & Excavating	North Side True Value	Whole Foods Market
Cubic Wall Systems	Four Lakes Paving Co Inc	Paradigm Gardens	Willy St Grocery Coop
Eco-Reliable LLC	General Asphalt	Quality True Value Hardware	Woodman's Food Markets
Ellingson Pro-Clean Inc	Hallman Asphalt Paving	Shopko	Hy-Vee
Eric Welch Painting	Hinzman Blacktop and Sealcoating	Shopko	Metro Market
Extreme Painting	ID Hellenbrand	Shopko	Pick N Save
Frontier Hood Services LLC	Marks and Stripes	Target	Metcalf's Sentry
Genesis Painting	Midwest Asphalt Maint	Target	Metcalf's Sentry
Glacier Painting	Modern Striping	Wal-Mart	Metro Market

Gottschalk Painting	NR Asphalt Pavement	Wal-Mart	Hy-Vee
Haus Services LLC	O and H Asphalt Sealcoating	Target Stores	Pick N Save
Hood Cleaning Inc	Poblocki Paving Corp	Target Stores	
Hoodz of Greater Madison	Renu Sealcoating		
House Painters of Madison	Struck and Irwin Paving		
Kvalheim Kountry Painters	Tri-County Paving		
Megna Painting	Tri-County Sealcoating		
New Look Painting	United Paving		
Peter Onsager Painting	Wolf Paving and Excavating		
Peter's Painting	Wells Paving & Sealcoating		
PFD LLC	Asphalt Reheat Systems		
Polansky Painting	Payne and Dolan		
Servicemaster Cleaning Services	Summerseal Asphalt Maintenance		
Shon & Mikes Commercial Hood Cleaning	Asphalt Maintenance/ Quality Sealcoat Co		
Squeegee Plus			
Stefan Schmidt Painting LLC			
Summit Companies			
Thrift Painting			
Tiplock			
Tom's Painting			
Top 2 Bottom Lawncare			
Tru Colors Painting			
TW Painting			
Warden and Son			
Ziegler Pressure Washing			

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Frontier Hood Services LLC	Marks and Stripes	Target	Metcalf's Sentry
Genesis Painting	Midwest Asphalt Maint	Target	Metcalf's Sentry
Glacier Painting	Modern Striping	Wal-Mart	Metro Market
Gottschalk Painting & Wallpapering	NR Asphalt Pavement	Wal-Mart	Hy-Vee
Haus Services LLC	O and H Asphalt Sealcoating	Target Stores	Pick N Save
Hood Cleaning Inc	Poblocki Paving Corp	Target Stores	
Hoodz of Greater Madison	Renu Sealcoating		
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Warden and Son			
Ziegler Pressure Washing			



City-County Building, Room 507
210 Martin Luther King, Jr. Boulevard
Madison, WI 53703

Phone (608) 266-4821
Fax (608) 266-4858
www.publichealthmdc.com

April 2, 2019

RE: Discharge of Carpet Cleaning Waste Water to the City Storm Sewer System

Madison General Ordinance (MGO) 7.46 "Water Pollution Control" prohibits the discharge of waste water to the ground, or the storm sewer system. Carpet cleaning wastewater must be directed to an inside drain that is connected to the sanitary sewer for proper disposal. Screening the waste water at the time of disposal in order to capture carpet fibers, pet hair and grit is advisable. This captured debris can then be disposed of in the trash. Additionally, clean water discharges to the street, gutter or any storm water conveyance are prohibited under MGO 7.47

Any business found in violation of MGO 7.46 or MGO 7.47 will be immediately referred to the City Attorney's Office for prosecution or ticketed. Failure to comply may result in a fine of not less than fifty dollars (\$50) or more than two thousand dollars (\$2000) per offense. Clean-up costs may also be incurred.

If you have any questions concerning this matter, please contact Rick Wenta: 608-243-0351, or George Parrino: 608-243-0318, of the Environmental Protection Unit, Public Health and Madison and Dane County.

April 2, 2019

«COMPANY_NAME»
«SUITE_No»
«NUMBER» «STREET_NAME»
«CITY» WI, «ZIP_CODE»

RE: NEW DANE COUNTY SEALCOAT BAN

Dane County Code of Ordinances Chapter 80.08 bans the commercial application of any pavement sealants containing **>0.01% PAHs** in Dane County. Any sealcoat product applicator that violates Chapter 80.08 shall be subject to a forfeiture of \$500 up to \$2000.]

The sale of all sealcoat products that contain more than **0.01% PAHs** is restricted within Dane County. The sale of a sealcoat product containing coal tar and other high PAH sealants intended for use outside Dane County is permitted. The following conditions apply:

1. The seller requires the purchaser to complete and sign the form from the Land and Water Resources Department (<http://pdf.countyofdane.com/lwr/lakes/retailerExemption.pdf>).
2. The seller retains the completed form for a period of not less than three years from the date of sale and allows the inspection and copying of the form by Dane County staff upon request.

Additionally, any retailer that sells any pavement sealcoat products shall prominently display, in the area where such products are sold, a notice that contains Dane County's warning on the use of coal tar sealcoat. A suitable poster can be obtained here: <http://pdf.countyofdane.com/lwr/lakes/coalTarFlyer.pdf>.

Further information is available at: <http://danewaters.com/business/coalTar.aspx>. If you have any questions contact Dane County Lakes and Watersheds: 608-224-3730 or Public Health-Madison and Dane County 608-266-4821.



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February 21, 2018

A&E CONCRETE CONSTRUCTION
3460 MEIER RD
MADISON, WI 53718

RE: Discharge/Disposal of Concrete Wash Water to the City Storm Sewer System.

This letter serves to advise you regarding the proper disposal of your waste. Madison General Ordinance (MGO) 7.46 *Water Pollution Control* prohibits the discharge of any concrete, mortar, wash water, concrete cutting water or exposed aggregate wash to the City storm sewer system. This practice is also prohibited under State Statutes 29.601(3); *Deleterious Substances* and State Statutes Chapter 283; *Pollution Discharge Elimination*.

Any concrete waste, including wash water or delivery truck chute clean out must be contained and collected for proper disposal. The contractor in control of the construction site is responsible for providing suitable concrete waste containment. Saw cutting slurry may be detained by sandbags in the curb at the first practical location down slope, but must be removed at the end of the workday or sooner if impending rain is forecast. It is illegal to allow concrete waste to flow unchecked on any paved surface. Detained slurry can be retrieved with a vacuum. Other retrieval methods may also be suitable. Best management practices for concrete wash out water are available from the US EPA.

<http://www3.epa.gov/npdes/pubs/concretewashout.pdf>

Businesses found in violation of MGO 7.46 will be referred to the City Attorney's office for prosecution or ticketed. Failure to comply with this ordinance may result in regulatory enforcement including a fine of not less than fifty dollars (\$50.00) or more than two thousand dollars (\$2000.00) per offense. Each day of a continuing violation is a separate offense. Clean-up costs may also be incurred.

If you have any questions or require further information, please contact either Rick Wentz 243-0351 or George Parrino 243-0318 of the Environmental Protection Unit, Public Health Madison-Dane County.



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April 2, 2019

ACCURATE LAWN CARE LLC
9180 MINERAL POINT RD
MT HOREB WI 53572

RE: Regulation on the Use and Application of Lawn Fertilizer.

Dane County Code of Ordinances Chapter 80 and Madison General Ordinance (MGO) 7.48 prohibit the use of lawn fertilizers containing phosphorus except on new lawns during the first growing season or lawns confirmed to be deficient in phosphorus through recent soil testing.

Furthermore, applying any fertilizer to an impervious surface or under conditions that create or promote runoff is prohibited. Incidental application of fertilizer to any sidewalk, parking lot, or driveway must be immediately recovered and legally applied or containerized.

Any person or company that violates Dane County Chapter 80.07 shall be subject to a forfeiture of \$50 to \$300. MGO 7.48 provides for a penalty of not less than \$50, or more than \$2000 for each offense.

If you have any questions please contact Rick Wenta: 608-243-0351, or George Parrino: 608-243-0318, Public Health Madison and Dane County.



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March 8, 2018

ASIAN MIDWAY FOODS

Store Manager

301 S. PARK

MADISON WI 53715

RE: Liquids Leaking from Garbage Dumpsters.

Madison General Ordinance (MGO) 7.46 prohibits discharges from garbage containers. Allowing liquids to escape from your dumpster can result in a fine of \$50-\$2000.

When liquids are placed in the garbage or a trash compactor, they can saturate the garbage and seep from the dumpster. This liquid, called leachate, is nutrient-rich and can become very acidic through bacterial decomposition. It can corrode metal dumpsters, weaken rubber seals, and dissolve concrete.

When leachate flows from a dumpster onto a hard surface, it is transported via the storm sewer system to our lakes. As bacteria break down the leachate they consume large amounts of oxygen that fish and other aquatic organisms need to survive. Bacterial decomposition converts the leachate into nutrients that promote algae growth much like lawn fertilizer spread on a lawn causes the grass to grow.

If the leachate has entered the City's storm sewer, the City will remove it at your expense. To prevent a leachate discharge, consider the following:

1. Ensure your dumpster has a plug installed. Contact your waste hauler to have a plug installed if it is missing.
2. Keep your dumpster covered. Rainwater that collects in a dumpster will help form leachate.
3. Consider dumping expired milk and juices down an interior drain. Liquids poured down the sink will be properly treated at the sewage plant and not end up in our lakes.
4. If you see your dumpster leaking, capture the liquid in a container and dump it down an interior drain until the leak is repaired or the dumpster replaced.

If you have any questions please contact Rick Wenta at 243-0351 or George Parrino at 243-0318.



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March 9, 2018

A SUPER PAINTERS
1317HOBBY HORSE RD
OREGON WI 53575

RE: Discharge of Pressure Washing Wastewater to the Storm Sewer System.

Madison General Ordinance (MGO) 7.46(3) "Water Pollution Control" and MGO 7.47(3) "Regulation of Discharge of Non-storm Water", as well as State Statutes 29.601(3); "Deleterious Substances" and State Statutes Chapter 283; "Pollution Discharge Elimination" regulate the discharge of outdoor pressure washing wastewater to the storm sewer system.

Wastewater from any outdoor washing must be directed to a permeable surface or collected for proper disposal. For areas where this is not practical, these practices must be followed:

1. Detain the wash water long enough to allow suspended solids to settle, or filter suspended solids from the waste stream.
2. Properly dispose of settled or filtered solids.
3. Only biodegradable detergents containing less than 0.5% phosphate are permitted.
4. Use of detergents must be minimized. The waste stream shall be free of visible foam.
5. Oil and grease from kitchen ventilation systems must be removed before the wastewater reaches the storm sewer system.

Additional Best Management Practices (BMPs) are found at the Wisconsin Department of Natural Resources website: http://dnr.wi.gov/topic/wastewater/documents/59153_fs.pdf.

Removal of paint with power equipment, including power washing, is subject to further regulation. Contact Public Health Madison and Dane County at 608-243-0330 or <http://www.publichealthmdc.com> for more information.

Businesses found in violation of MGO 7.46/7.47 will be referred to the City Attorney for prosecution or ticketed. Failure to comply may result in a fine of not less than fifty dollars (\$50) or more than two thousand dollars (\$2000) per offense. Each day of a continuing violation is a separate offense. Violators will also be assessed for cleanup costs associated with the violation.

If you have any questions concerning this matter, please contact Rick Wenta 243-0351, or George Parrino 243-0318, Environmental Protection Unit, Public Health-Madison and Dane Co.



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March 9, 2018

ACE HARWARE CENTER
ATTN: Store Manager
1398 WILLIAMSON ST
MADISON WI 53703

RE: Dane County and City of Madison Regulations on the Sale of Fertilizer Containing Phosphorus.

Dane County Code of Ordinances Chapter 80.07 and Madison General Ordinance (MGO) 7.48 prohibit the sale and display of lawn fertilizers containing phosphorus. Signs may be posted to alert customers that fertilizer-containing phosphorus is available for use on new lawns during the first growing season, or lawns confirmed to be deficient in phosphorus through recent soil testing.

Additionally, all fertilizer retailers must prominently display a sign containing Dane County regulations on phosphorus fertilizer and the effects of phosphorus on Dane County's waters. A suitable poster is available at:

<https://olw-lwrd.countyofdane.com/documents/PDFs/P%20Free%20Fertilizer%20-%202017%20sign.pdf>

Any person who violates Dane County Chapter 80.07 shall be subject to a forfeiture of \$50 to \$300. MGO 7.48 provides for a penalty of not less than \$50, nor more than \$2000 for each offense.

Information on phosphorus control in Dane County is available at the following website:

<http://www.danewaters.com/management/phosphorus.aspx>. If you have any questions please contact Dane County Lakes and Watersheds: 608-224-3730 or Public Health-Madison and Dane County: 608-266-4821.