

2016 GENERAL RULE 97 CERTIFICATIONS OF APPROVAL  
AUTHORIZING TRACER DYES IN SURFACE WATERS

The following Notifications of Intent under the GENERAL RULE 97 CERTIFICATION OF APPROVAL AUTHORIZING TRACER DYES IN SURFACE WATERS have been received and tracer dye application may commence in accordance with Certification R97-14/001.

Applicant Name	Project Contact	Date Received	District Office	Waterbody Name	Location(s) lat/long, road crossing, etc) (TRS,	Township Name	County	CAS Number	Concentration mg/L
Allen Park Public Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Ecrose Creek Watershed	lat = 42.2575; long = -83.2111	Allen Park	Wayne	37299-86-8	13 mg/L
Allen Park Public Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Ecrose Creek Watershed	lat = 42.2575; long = -83.2111	Allen Park	Wayne	2321-07-04	30 mg/L
Davison Community Schools	Jenna Sendra	12/4/2015	Lansing	Middle and the Kearsley sub-watershed of the Flint River Watershed	lat = 43.0142; long = -83.5261	Davison	Genesee	37299-86-8	13 mg/L
Davison Community Schools	Jenna Sendra	12/4/2015	Lansing	Middle and the Kearsley sub-watershed of the Flint River Watershed	lat = 43.0142; long = -83.5261	Davison	Genesee	2321-07-04	30 mg/L
Livonia Public Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Rouge River Watershed	lat = 42.2242N; long = -83.45402W		Wayne	37299-86-8	13 mg/L
Livonia Public Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Rouge River Watershed	lat = 42.2242N; long = -83.45402W		Wayne	2321-07-04	30 mg/L
Novi Community School District	Jenna Sendra	12/4/2015	Southeast Michigan	Brent Rub subwatershed of the Lower Main channel of the Flint River	lat = 42.480590; long = -83.475490	Novi	Oakland	37299-86-8	13 mg/L
Novi Community School District	Jenna Sendra	12/4/2015	Southeast Michigan	Brent Rub subwatershed of the Lower Main channel of the Flint River	lat = 42.480590; long = -83.475490	Novi	Oakland	2321-07-04	30 mg/L
Plymouth-Canton Community Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Middle 1 and Middle 2 sub-watershed of the Rouge River	lat = 42.3061; long = -83.5361		Wayne	37299-86-8	13 mg/L
Plymouth-Canton Community Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Middle 1 and Middle 2 sub-watershed of the Rouge River	lat = 42.3061; long = -83.5361		Wayne	2321-07-04	30 mg/L
South Lyon Community Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Davis Creek sub-watershed of the Huron River	lat = 42.4606; long = -83.6517	South Lyon	Oakland	37299-86-8	13 mg/L
South Lyon Community Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Davis Creek sub-watershed of the Huron River	lat = 42.4606; long = -83.6517	South Lyon	Oakland	2321-07-04	30 mg/L
Troy School District	Jenna Sendra	12/4/2015	Southeast Michigan	Rouge River & Clinton River Tributaries	town=21; range=11E	Southfield	Oakland	37299-86-8	13 mg/L
Troy School District	Jenna Sendra	12/4/2015	Southeast Michigan	Rouge River & Clinton River Tributaries	town=21; range=11E	Southfield	Oakland	2321-07-04	30 mg/L
Walled Lake Consolidated Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Main 1, Main 2, and Middle 1 sub-watershed of the Rouge River and the Upper Huron and Norton Creek sub-watershed of the Huron River	lat = 42.5378N; long = -83.48011W	Walled Lake	Oakland	37299-86-8	13 mg/L
Walled Lake Consolidated Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Main 1, Main 2, and Middle 1 sub-watershed of the Rouge River and the Upper Huron and Norton Creek sub-watershed of the Huron River	lat = 42.5378N; long = -83.48011W	Walled Lake	Oakland	2321-07-04	30 mg/L
Wayne Westland Community Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Middle 3 and Lower 2 sub-watersheds of the Rouge River	lat = 42.23242; long = -83.4003	Westland	Wayne	37299-86-8	13 mg/L
Wayne Westland Community Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Middle 3 and Lower 2 sub-watersheds of the Rouge River	lat = 42.23242; long = -83.4003	Westland	Wayne	2321-07-04	30 mg/L
Birmingham Public Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Middle 1 and Middle 2 sub-watershed of the Rouge River	lat = 42.5467; long = -83.2114	Birmingham	Oakland	37299-86-8	13 mg/L
Birmingham Public Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Middle 1 and Middle 2 sub-watershed of the Rouge River	lat = 42.5467; long = -83.2114	Birmingham	Oakland	2321-07-04	30 mg/L
Fenton Area Public Schools	Jenna Sendra	12/4/2015	Lansing	Lake Ponemah-Shiawassee River	lat = 42.7978N; long = -83.7050W	Fenton	Genesee	37299-86-8	13 mg/L
Fenton Area Public Schools	Jenna Sendra	12/4/2015	Lansing	Lake Ponemah-Shiawassee River	lat = 42.7978N; long = -83.7050W	Fenton	Genesee	2321-07-04	30 mg/L
Mt. Morris Consolidated Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Brent Rub subwatershed of the Lower Main channel of the Flint River	lat = 43.124307; long = -83.688049	Southfield	Oakland	37299-86-8	13 mg/L
Mt. Morris Consolidated Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Brent Rub subwatershed of the Lower Main channel of the Flint River	lat = 43.124307; long = -83.688049	Southfield	Oakland	2321-07-04	30 mg/L
Northville Public Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Middle 1 and Middle 2 sub-watershed of the Rouge River	lat = 42.43753; long = -83.43743	Northville	Wayne	37299-86-8	13 mg/L

Northville Public Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Middle 1 and Middle 2 sub-watershed of the Rouge River	lat = 42.43753; lat = -83.43743	Northville	Wayne	2321-07-04	30 mg/L
Rochester Community Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Clinton River Watershed	lat = 42.6806N; long = -83.1339W		Oakland	37299-86-8	13 mg/L
Rochester Community Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Clinton River Watershed	lat = 42.6806N; long = -83.1339W		Oakland	2321-07-04	30 mg/L
Southfield Public Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Main 1 and 2 sub-watersheds of the Rouge River and Red Run sub-watershed of the Clinton River	lat = 42.473; long = -83.2219	Southfield	Oakland	37299-86-8	13 mg/L
Southfield Public Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Main 1 and 2 sub-watersheds of the Rouge River and Red Run sub-watershed of the Clinton River	lat = 42.473; long = -83.2219	Southfield	Oakland	2321-07-04	30 mg/L
Van Buren Public Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Belleville Lake, Woods Creek, Ford Lake sub-watersheds of the Huron River, Lowe 1, Lower 2 sub watershed of the Rouge River	lat = 42.22031N; long = -83.48382W	Van Buren	Wayne	37299-86-8	13 mg/L
Van Buren Public Schools	Jenna Sendra	12/4/2015	Southeast Michigan	Belleville Lake, Woods Creek, Ford Lake sub-watersheds of the Huron River, Lowe 1, Lower 2 sub watershed of the Rouge River	lat = 42.22031N; long = -83.48382W	Van Buren	Wayne	2321-07-04	30 mg/L
West Bloomfield School District	Jenna Sendra	12/4/2015	Southeast Michigan	Upper Huron, Middle 1 & Middle 2 sub-watersheds of the Rouge River, and the Main Clinton river sub-watersheds	lat = 42.569929N; long = -83.382218W	Southfield	Oakland	37299-86-8	13 mg/L
West Bloomfield School District	Jenna Sendra	12/4/2015	Southeast Michigan	Upper Huron, Middle 1 & Middle 2 sub-watersheds of the Rouge River, and the Main Clinton river sub-watersheds	lat = 42.569929N; long = -83.382218W	Southfield	Oakland	2321-07-04	30 mg/L
University of Michigan-OSEH	John Kosco/Jackie Corbin	12/14/2015	Jackson	Huron River, Millers Creek, Traver Creek, Mallets Creek, Allen Creek, School Girls Glen, and Fleming Creek	Various (see NOI for details)	Ann Arbor & Pitts	Washtenaw	518-47-8	30 mg/L
University of Michigan-OSEH	John Kosco/Jackie Corbin	12/14/2015	Jackson	Huron River, Millers Creek, Traver Creek, Mallets Creek, Allen Creek, School Girls Glen, and Fleming Creek	Various (see NOI for details)	Ann Arbor & Pitts	Washtenaw	3844-45-9	12 mg/L
University of Michigan-OSEH	John Kosco/Jackie Corbin	12/14/2015	Jackson	Huron River, Millers Creek, Traver Creek, Mallets Creek, Allen Creek, School Girls Glen, and Fleming Creek	Various (see NOI for details)	Ann Arbor & Pitts	Washtenaw	17372-87-1	7 mg/L
Berrien County Health Department	Nicolaos Margaritis	1/5/2016	Kalamazoo	Galien & St. Joseph River Watersheds & Small Direct Drainage Tributaries to Lake Michigan	T3S-T8S; R17W-R21W	All Berrien County Townships	Berrien	518-47-8	30 mg/L
Berrien County Health Department	Nicolaos Margaritis	1/5/2016	Kalamazoo	Galien & St. Joseph River Watersheds & Small Direct Drainage Tributaries to Lake Michigan	T3S-T8S; R17W-R21W	All Berrien County Townships	Berrien	17372-87-1	7 mg/L
Berrien County Health Department	Nicolaos Margaritis	1/5/2016	Kalamazoo	Galien & St. Joseph River Watersheds & Small Direct Drainage Tributaries to Lake Michigan	T3S-T8S; R17W-R21W	All Berrien County Townships	Berrien	3844-45-9	12 mg/L
Bishop International Airport Authority	Chris Cieciek	1/7/2016	Lansing	Swartz Creek and Call Drain	Lat= 42.971156; Long = -83.758435	Flint	Genesee	528-44-9	13 mg/L
City of Ann Arbor	Jennifer E. Lawson	1/12/2016	Jackson	Saline River tributary to Raisin River; Creeksheds tributary to Huron River (Allen, Traver, Miller, Mallets, Honey, Fleming, Swift Run)	T2s; R6E		Washtenaw	518-47-8	30 mg/L
City of Flint	Thomas Hutchings	1/12/2016	Lansing	Flint River, Thread Creek, Thread Lake, Brett Run, Carmen Creek, Swartz Creek, Gilkey Creek, Flint Park Lake, & Kearsley Creek	Genesee County		Genesee	518-47-8	7 mg/L
City of Flint	Thomas Hutchings	1/12/2016	Lansing	Flint River, Thread Creek, Thread Lake, Brett Run, Carmen Creek, Swartz Creek, Gilkey Creek, Flint Park Lake, & Kearsley Creek	Genesee County		Genesee	3844-45-9	12 mg/L
City of Flint	Thomas Hutchings	1/12/2016	Lansing	Flint River, Thread Creek, Thread Lake, Brett Run, Carmen Creek, Swartz Creek, Gilkey Creek, Flint Park Lake, & Kearsley Creek	Genesee County		Genesee	2321-07-04	30 mg/L
Wayne County Department of Public Services-Water Quality Management Division	Noel Mullett	1/13/2016	Southeast Michigan	Lake St. Clair, Rouge river, Ecorse Creek, Detroit River, Huron River, Combined Downriver Watersheds	Wayne County		Wayne	528-44-9	13 mg/L
Wayne County Department of Public Services-Water Quality Management Division	Noel Mullett	1/13/2016	Southeast Michigan	Lake St. Clair, Rouge river, Ecorse Creek, Detroit River, Huron River, Combined Downriver Watersheds	Wayne County		Wayne	517-47-8	30 mg/L

Washtenaw County	Heather Rice	1/23/2016	Jackson	Portions of the Huron River, River Raisin, Grand River, Rouge River, Stony Creek, and Swan Creek watersheds throughout Washtenaw County	Washtenaw County		Washtenaw	3844-49-9	12 mg/L
Washtenaw County	Heather Rice	1/23/2016	Jackson	Portions of the Huron River, River Raisin, Grand River, Rouge River, Stony Creek, and Swan Creek watersheds throughout Washtenaw County	Washtenaw County		Washtenaw	2321-07-4	30 mg/L
Washtenaw County	Heather Rice	1/23/2016	Jackson	Portions of the Huron River, River Raisin, Grand River, Rouge River, Stony Creek, and Swan Creek watersheds throughout Washtenaw County	Washtenaw County		Washtenaw	518-47-8	30 mg/L
Washtenaw County	Heather Rice	1/23/2016	Jackson	Portions of the Huron River, River Raisin, Grand River, Rouge River, Stony Creek, and Swan Creek watersheds throughout Washtenaw County	Washtenaw County		Washtenaw	37299-86-8	13 mg/L
Washtenaw County	Heather Rice	1/23/2016	Jackson	Portions of the Huron River, River Raisin, Grand River, Rouge River, Stony Creek, and Swan Creek watersheds throughout Washtenaw County	Washtenaw County		Washtenaw	2391-30-2	200 mg/L
MDEQ-Lansing District Office WRD	Carla Davidson	2/3/2016	Lansing	Thread Creek	city of Flint, Genesee County		Genesee	37299-86-8	13 mg/L
MDEQ-Lansing District Office WRD	Carla Davidson	2/3/2016	Lansing	Thread Creek	city of Flint, Genesee County		Genesee	518-47-8	30 mg/L
City of Kalamazoo	John P. Paquin	2/15/2016	Kalamazoo	Kalamazoo River, Arcadia Cree, Axtell Creek, Portage Creek, West Fork Portage Creek, Woods Lake, Spring Valley Lake, Averill Lake, Asylum Lake, Whites Lake, Limekiln Lake, Davis Olmstead Drain, State Ditch & Branch Drain, South Westnedge Drain, Milwood Drain, Lake Street Drain, Scholton Drain	Kalamazoo County	Kalamazoo	Kalamazoo	518-47-8	30 mg/L
City of Kalamazoo	John P. Paquin	2/15/2016	Kalamazoo	Kalamazoo River, Arcadia Cree, Axtell Creek, Portage Creek, West Fork Portage Creek, Woods Lake, Spring Valley Lake, Averill Lake, Asylum Lake, Whites Lake, Limekiln Lake, Davis Olmstead Drain, State Ditch & Branch Drain, South Westnedge Drain, Milwood Drain, Lake Street Drain, Scholton Drain	Kalamazoo County	Kalamazoo	Kalamazoo	3844-45-9	12 mg/L
Applied Science, Inc.	Timothy Minor	2/19/2016	Southeast Michigan	Rouge River	Via Pembroke outfall			37299-86-8	5 mg/L
City of Warren WWTP	Ted Lanway	3/3/2016	Southeast Michigan	Red Run Drain	12 East, Section 3		Macomb	3844-45-9	12 mg/L
City of Warren WWTP	Ted Lanway	3/3/2016	Southeast Michigan	Red Run Drain	12 East, Section 3		Macomb	518-47-8	30 mg/L
Garden City Public Schools	Lauren Koloski	3/10/2016	Southeast Michigan	Rouge River & Ecorse River Watersheds	lat = 42.322953; lat = -83.376039		Wayne	337299-86-8	13 mg/L
Garden City Public Schools	Lauren Koloski	3/10/2016	Southeast Michigan	Rouge River & Ecorse River Watersheds	lat = 42.322953; lat = -83.376039		Wayne	2321-07-04	30 mg/L
Macomb County Health Department	Stacey McFarlane	4/11/2016	Southeast Michigan	Clinton river Watershed, Lake St. clair Watershed, Belle River Watershed	Macomb County		Macomb	3844-45-9	12 mg/L
Macomb County Health Department	Stacey McFarlane	4/11/2016	Southeast Michigan	Clinton river Watershed, Lake St. clair Watershed, Belle River Watershed	Macomb County		Macomb	518-47-8	30 mg/L
Macomb County Health Department	Stacey McFarlane	4/11/2016	Southeast Michigan	Clinton river Watershed, Lake St. clair Watershed, Belle River Watershed	Macomb County		Macomb	528-44-9	13 mg/L
Melvindale-Northern Allen Park Schools	Lauren Koloski	4/14/2016	Southeast Michigan	Rouge River Watershed and Ecorse Watershed	Wayne County		Wayne	37299-86-8	13 mg/L
Melvindale-Northern Allen Park Schools	Lauren Koloski	4/14/2016	Southeast Michigan	Rouge River Watershed and Ecorse Watershed	Wayne County		Wayne	2321-07-04	30 mg/L
City of Marine City	Michael Itrich	5/4/2016	Southeast Michigan	Belle River and St. Clair River	St. Clair County		St. Clair	518-47-8	30 mg/L
Genesee County Drain Commission-SWM	Enayet Ullah	5/10/2016	Lansing	West Branch of Swartz Creek Drain	Genesee County	Gaines	Genesee	518-47-8	30 mg/L
Genesee County Drain Commission-SWM	Enayet Ullah	5/10/2016	Lansing	Burton Drain	City of Burton,		Genesee	518-47-8	30 mg/L
City of Allen Park	Terry Kher	5/17/2016	Southeast Michigan	LeBlanc Drain to Ecorse Creek	Wayne County		Wayne	518-47-8	30 mg/L
City of Allen Park	Terry Kher	5/17/2016	Southeast Michigan	LeBlanc Drain to Ecorse Creek	Wayne County		Wayne	17372-87-1	7 mg/L
MDEQ Calumet Field Office	Amy Keranen	5/23/2016	Upper Peninsula	Torch Lake	Houghton		Houghton	518-47-8	30 mg/L

Honeytree, Inc.	John Olney	5/31/2016	Jackson	Wolf Creek - M50 Drainage ditch	Lenawee County	Cambridge	Lenawee	518-47-8	10 mg/L
Amendola Engineering, Inc.	Matthew A. Oxsalida, P.E.	6/14/2016	Southeast Michigan	Rouge River and Detroit River	Rout River including cities of Dearborn, Detroit, Melvindale, and River Rouge		Wayne	37299-86-8	13 mg/L
AECOM	David Delia, P.E.	6/20/2016	Lansing	Carrier Creek/Grand River	lat 42.742122; long -84.664739	Delta	Eaton	518-47-8	30 mg/L
ERM	Mark Baker	6/21/2016	Lansing	Flint River	lat 43.191920; long -83.866134	Montrose	Genesee	37299-86-8	13 mg/L
Wolverine Pipe Line Company	Marius A. Greene	7/1/2016	Kalamazoo	St. Joseph River	Berrien County, Niles Township	Niles	Berrien	518-47-8	30 mg/L
Wolverine Pipe Line Company	Marius A. Greene	7/1/2016	Southeast Michigan	Detroit Metro to Woodhaven	Wayne County	various	Wayne	518-47-8	30 mg/L
Wolverine Pipe Line Company	Marius A. Greene	7/1/2016	Jackson	Jackson to Schneider Road	Jackson	various	Jackson	518-47-8	30 mg/L
ERM	Mark Baker	7/8/2016	Jackson	River Raisin	Lenawee County	Raisin	Lenawee	37299-86-8	13 mg/L
AECOM	David Delia, P.E.	7/8/2016	Saginaw Bay	Swan Creek and Shiawassee River	Saginaw County	Saginaw	Saginaw	518-47-8	30 mg/L
US Army Garrison Detroit Arsenal	Cheryl Neades	7/13/2016	Southeast Michigan	Bear Creek, Warren/Macomb County	Macomb County	Warren	Macomb	518-47-8	30 mg/L
Enayet Ullah, P.E.	Genesee County Drain Comr	7/20/2016	Lansing	Layman Drain	T7R6S15, Genesee County		Genesee	518-47-8	30 mg/L
Graham Crockford	TRC Environmental Corporat	7/22/2016	Jackson	River Raisin	T5S, R4E	Tecumseh	Lenawee	3844-45-9	10 mg/L
Johnson & Anderson, Inc.	Laura Gruwalski	8/4/2016	Southeast Michigan	Clinton River Tributary	City of Madison Heights		Oakland	518-47-8	30 mg/L
Arch Environmental Group	Lauren Koloski	8/15/2016	Saginaw Bay	Saginaw River Watershed					
Johnson & Anderson / Independence Twp	Laura Gruwalski	8/16/2016	Southeast Michigan	Clinton River Tributaries					
ATC Group Services LLC	Jogesh C. Panda	9/23/2016	Southeast Michigan	Detroit River	1401 W. Fort Street		Wayne	2321-07-4	30 mg/L
City of Adrian	Aaron C. Hacker	9/19/2016	Jackson	South Branch River Raisin	Various locations with the City limits		Lenawee	3844-45-9	12 mg/L
City of Adrian	Aaron C. Hacker	9/19/2016	Jackson	South Branch River Raisin	Various locations with the City limits		Lenawee	518-47-8	30mg/L
City of Adrian	Aaron C. Hacker	9/19/2016	Jackson	South Branch River Raisin	Various locations with the City limits		Lenawee	17372-87-1	7 mg/L
ERM	Bruce Rabe	9/22/2016	Lansing	Flint River	Genesee County-Rognone WWTP	Montrose	Genesee	37299-86-8	13 mg/L
MDEQ, WRD, Permits Section	Phillip A. DePetro	9/7/2016	Upper Peninsula	Carp Creek	DS of Ishpeming WWTP to Deer Lake	Ishpeming	Marquette	37299-86-8	1 mg/L
Ingham County Drain Commission	Angelica Cosman	9/29/2016	Lansing	Red Cedar River	Lansing	Lansing Twp.	Ingham	37299-86-8	10 mg/L
Oakland County Water Resources Commissioner	Ronald Fadoir	10/4/2016	Southeast Michigan	Clinton River, Rouge River, Huron River, Middle Flint River, and S. Branch of the Shiawassee River watersheds	Various location within County		Oakland	518-47-8	25 mg/L
Central Michigan District Health Department	Steve King R. S.	10/6/2016	Saginaw Bay	Chippewa River	43.598117; -84.853946	Deerfield	Isabella	518-47-8	30 mg/L
ERM	Bruce Rabe	10/11/2016	Jackson	River Raisin	T6s, R4E S21; Wacker Chemical Outfall	Adrian	Lenawee	37299-86-8	13 mg/L
General Motors LLC	Corri Zilio	10/12/2016	Southeast Michigan/Lansing	Sloan Lake, Mann Creek	42°35'0.97" N, -83°41'4.01" W	Milford	Livingston/Oakland	518-47-8	30 mg/L
Detroit Water and Sewerage Dept	Parvex Jafri	10/26/2016	Southeast Michigan	Combined Sewer - Ultimate Discharge is the Rouge River after treatment at the WWTP	42.291782. -83.11155		Wayne	3844-45-9 518-47-8 17372-87-1	
ECT, Inc.	Meghan Price, ECT	11/10/2016	Southeast Michigan	East Pond Creek	42°50'08"N, -83°04'30"	Bruce	Macomb	37299-86-8	13 mg/L
Bishop International Airport Authority	Joseph Medici	11/9/2016	Lansing	Swartz Creek and Call Drain	42.971156, -83.758435	Flint	Genesee	528-44-9	0.01 mg/L
County of Midland Department of Public Health	Alan Bloch	11/17/2016	Saginaw Bay	Sanford Lake	43.59, -84.38	Edenville, Jerome	Midland	518-47-8	30 mg/L
County of Midland Department of Public Health	Alan Bloch	11/17/2016	Saginaw Bay	Sanford Lake	43.59, -84.38	Edenville, Jerome	Midland	17372-87-1	7 mg/L