BUREAU OF DRINKING WATER AND GROUNDWATER SPECIAL WELL CASING DEPTH AREAS

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Brown	Town of Ledgeview (Scrays Hill)	VOCs	Contact DNR Northeast Region Office for required approval
2/25/1988	T23N, R21E		
Area 1	- Section 32		
	- SW1⁄4		
	- N½ of the SE¼		
	- S½ of the NE¼		
Brown	Town of Humboldt T23 R22E	Livestock Waste	1. An upper enlarged drillhole and casing pipe must extend to a minimum of 140 feet
11/11/2019	Section 11: SW ¼ of SE ¼; SE ¼ of SE ¼		below ground surface.
Area 117	Section 12: SW ¼ of SW ¼		2. The annular space must be sealed with neat cement grout which must be placed
			using the Bradenhead method or Grout Shoe method of grouting in a manner
			consistent with the requirements of s. NR812.20 Wis. Adm. Code.
			3. The cement grout must have a slurry density of at least 15.2 lbs. /gallon. The grout
			density shall be measured with a mud balance at the grout pump hopper before being
			pumped into the annular space. The grout shall flow at the surface with the same
			density and consistency as the grout being pumped into the annular space.
			4. The grout must be allowed to set for 24 hours before construction on the lower
			borehole can begin.
Brown	Town of Morrison (Community of Wayside)	Livestock waste	Cement-grouted casing to a depth of at least 250 feet; and:
8/12/2008	(Also a Special Area of Well Compensation Eligibility established on 03/17/06)		Use of rotary mud-circulation or cable-tool drilling methods only – no rotary-air
' '			methods;
Area 81	T21N, R21E		Upper-enlarged drillhole must be at least 8 ¾ -inch diameter for 6-inch wells or 2
			inches larger than nominal casing diameter for larger wells;
	- Section 28		Cement grout must be ordered from commercial concrete company, have a density
			of at least 15.2 lbs./gal & be verified with a mud balance;
	- S½ of the S½ except for the SW¼ of the SW¼		Only Bradenhead or grout shoe method may be used;
	- Section 33		Grout must be allowed to set at least 24 hours.
	- That portion of the NE¼ of the NW¼ lying north of Wayside Creek		
	- That portion of the NE¼ lying north of Wayside Creek		
	- That portion of the SE¼ of the NW¼ lying north of Wayside Creek		
	- Section 34		
	- That portion of the NW¼ lying west of Wayside Creek		
Calumet	Town of Charlestown (Gravesville) (near Chilton)	Bacteria/Nitrate	Contact DNR Northeast Region Office for required approval
2/11/1988	T18N, R20E		
Area 2	- Section 8		
	- SW¼		
	- Section 7		
	- Government Lots 3 and 4		
	- Section 18		
	- Government Lots 1 and 2		
	- Section 17		
	- NW¼		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Calumet	Town of Brothertown (West Part)	Livestock waste	Cement-grouted casing to a depth of at least 140 feet; and:
8/12/2008	(Also a Special Area of Well Compensation Eligibility established on 10/10/06)		Use of rotary mud-circulation or cable-tool drilling methods only – no rotary-air
Area 82	T17N, R19E		methods; Upper-enlarged drillhole must be at least 8 ¾ -inch diameter for 6-inch wells or 2 inches larger than nominal casing diameter for larger wells;
	- Government Lot 103		 Cement grout must be ordered from commercial concrete company, have a density of at least 15.2 lbs./gal & be verified with a mud balance;
	- Northern half of the W½		Only Bradenhead or grout shoe method may be used;
	- Northern third of the E½		Grout must be allowed to set for at least 24 hours.
	- Government Lot 104		
	- Southern half of the E½		
Calumet	Town of Stockbridge	Livestock Waste	Option 1: Existing wells with 100 feet or more of cement grouted casing may be reconstructed by backfilling the portion of the well within the Maquoketa Shale with neat cement up to 10 feet above the top of the Maquoketa. New wells should be cased and cement grouted a minimum of 100 feet and extend a maximum of 10 feet above the Maquoketa. Bradenhead or grout shoe method for grouting.
5/13/2014	(Also a Special Area of Well Compensation Eligibility established on 05/13/2014)		
Area 104	T18N, R19E		Option 2: Wells shall be cased and cement grouted to a depth that extends at least through the entire Maquoketa Shale and 20 feet into the underlying bedrock
			formation. Bradenhead or grout shoe method for grouting.
	- Government Lot 213		
	- Government Lot 245		
	- Government Lot 246		
	- Government Lot 258		
Chippewa	Town of Hallie (North Eau Claire and Village of Hallie Area)	VOCs	Contact DNR West Central Region Office for required casing depth and better definition of affected area.
Dec-90	T28N, R9W		
Area 3	- Section 26		
	- Portions of the SW¼		
	- Section 27		
	- Portions of the E½ of the SE¼		
	- Section 34		
	- Portions of the SE¼ east of US Hwy 53 - Portions of the E½ of the NE¼		
	- Section 35		
	- SW1⁄4		
	- W½ of the NW¼ of the SE¼		
	- Portions of the NW¼		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Dane	Town of Cottage Grove (Hydrite Chemical Co. Area)	VOCs	Hydrite, its consultant, or contractors shall provide 48 hours' notice to the
	T07 R11E		department prior to drilling operations.
Created	Section 10		-10-inch steel temporary casing must be installed to the top of bedrock.
2/23/2001	-SW ¼ of the SW ¼: Southern half		-An upper enlarged drillhole must be drilled with mud rotary and extend to the Mount
	-SE¼ of the SW ¼: Southern half		Simon Sandstone (expected at approximately 350 to 450 feet below grade)
Revised:	-SW ¼ of the SE ¼: Southern half		-Once the Mt. Simon is reached, 6-inch steel casing must be installed and grouted in
07/20/2020	-SE ¼ of the SE ¼: Southern half		place with neat cement using the bradenhead method or grout shoe. An open
07,20,2020	Section 14		borehole may not be allowed to exist through a weekend, holiday, or other time when
Area 71	-NW ¼ of the NW ¼		the rig is idle.
Aica / I	-NE ¼ of the NW ¼: Western Half		-After grouting operations, the 10-inch temporary casing must be removed.
	Section 15		-The lower open hole may then be drilled with air or mud rotary and must extend to a
			, , , , , , , , , , , , , , , , , , ,
	-NW ¼		minimum of 50 feet below the casing depth.
	-NE ¼		-If the driller encounters any contamination while drilling, they must halt drilling
	-NW ¼ of the SW ¼		operations and contact the Department.
	-NE ¼ of the SW ¼		-After drilling activities, the driller must contact Hydrite or its consultants to collect
	-SW ¼ of the SW ¼: Northern Half		samples for the analysis of VOCs.
	-SE ¼ of the SW ¼: Northern Half 🛚		
	-NW ¼ of the SE ¼		
	-NE ¼ of the SE ¼		
	Section 16		
	-NE ¼		
	-NW ¼ of the SE ¼		
	-NE ¼ of the SE ¼		
	-SW ¼ of the SE ¼: Northern Half		
	-SE ¼ of the SE ¼: Northern Half		
Dane	Town of Middleton (Refuse Hideaway Landfill Area)	VOCs	Contact the DNR South Central Region Office for the required casing depth.
9/18/2000	T7N, R8E		
Area 4	- Section 7		
	NE¼ of the SW¾		
	SE¼ of the SW¼		
	SE¼		
	S½ of the NE¼ of the NE¼		
	SE¼ of the NE¼		
	- Section 8		
	S½ of the NW¼ of the NW¼		
	SW¼ of the NW¼		
	That portion of the NW¼ of the SW¼ lying north & west of Twin Valley Road and north of US		
	Highway 14		
	That portion of the SW¼ of the SW¼ north & west of Twin Valley Road		
	S% of the NE% of the NW%		
	SE¼ of the NW¼	1	
Dane	That portion of the NE% of the SW% lying north of Highway 14 Town of Middleton (Cherrywood Subdivision Area)	Bacteria	Recommended
1/1/1994	T7N, R8E	Dacteria	
			275 feet of casing to terminate into the St. Peter Sandstone
Area 68	- Section 30		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Dodge	Town of Beaver Dam (Rolling Meadows Subdivision)	Bacteria	Recommended
4/23/1997	T12N, R14E		Cement-grouted casing at least 15 feet into the St. Peter sandstone
Area 5	- Section 20		
	- N½ and east of the railroad tracks		
	- Section 21		
	- NW1⁄4		
Dodge	Town of Leroy (Area of Shallow Niagara Dolomite)	Bacteria	Casing to base of Maquoketa Shale required.
10/6/1972	T13N, R16E		
Area 6a	- Section 22		
	- SE¼		
	- Section 23		
	S½		
	- Section 26		
	- N½		
	- Section 27		
	- NE¼		
Dodge	Town of Leroy (Area of Shallow Niagara Dolomite)	Bacteria	Contact DNR South Central Region Office for required casing depth amount.
10/6/1972	T13N, R16E		
Area 6b	- Sections 22, 23, 26 and 27 – Those portions that are not in Area 6a (above).		
	- Section 24		
	- W½		
	- Section 25		
	- W½		
Dodge	Town of Lomira (Knowles Area) (Area of Shallow Niagara Dolomite)	Bacteria	Wells completed below Maquoketa Shale must be cased and grouted through entire
			Maquoketa Shale unit
4/2/1997	T13N, R17E		
Area 7	- Section 19		
	- S½ of the SE¼		
	- Section 30		
	- N½ of the NE¼		
Dodge	Town of Lomira	Livestock Waste	Cement-grouted casing required to a depth of approximately 380 feet, but in any case
			to a depth at least through the Maquoketa Shale Confining Formation; and:
4/3/2009	(Also a Special Area of Well Compensation Eligibility)		Use of rotary mud-circulation or rotary-air drilling methods;
Area 88	T13N, R17E		Upper-enlarged drillhole must be at least 8 ¾ -inch diameter for 6-inch wells or 2
			inches larger than nominal casing diameter for larger wells;
1	- Section 9		Cement grout must be ordered from commercial concrete company, have a density
			of at least 15.2 lbs./gal & be verified with a mud balance;
	- NW¼ (Entire quarter section)		Only Bradenhead or Grout Shoe method may be used;
			Grout must be allowed to set for at least 24 hours.

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Dodge	Town of Lomira	Livestock Waste	Cement-grouted casing that extends at least through the entire Maquoketa Shale and
			about 20 feet into the underlying bedrock formation.
4/8/2014	(Also a Special Area of Well Compensation Eligibility)		Use of rotary mud-circulation or rotary-air drilling methods;
Area 102	T13N, R17E		Upper-enlarged drillhole must be at least 8 ¾ -inch diameter for 6-inch wells or 2
			inches larger than nominal casing diameter for larger wells;
	- Section 6		Cement grout must be ordered from commercial concrete company, have a density
			of at least 15.2 lbs./gal & be verified with a mud balance;
	- W ½ of the SE ¼ (Excluding properties within the Village of Brownsville)		Only Bradenhead or Grout Shoe method may be used;
			Grout must be allowed to set for at least 24 hours.
Dodge	Town of Lowell	Livestock Waste	Cement-grouted casing to a depth of at least 110 feet; and:
8/12/2008	(Also a Special Area of Well Compensation Eligibility established on 07/01/07)		Use of rotary mud-circulation or cable-tool drilling methods only – no rotary-air
			methods;
Area 83	T10N, R14E		Upper-enlarged drillhole must be at least 8 ¾ -inch diameter for 6-inch wells or 2
			inches larger than nominal casing diameter for larger wells;
	- Section 30		Cement grout must be ordered from commercial concrete company, have a density
			of at least 15.2 lbs./gal & be verified with a mud balance;
	- NE ¼ (A 23-acre parcel southwest of the intersection of Fischer and Maiden Lane Roads)		Only Bradenhead or grout shoe method may be used;
			Grout must be allowed to set for at least 24 hours.
Dodge	Town of Mayville, T12R16E Section 2:	Livestock Waste	1. Wells must be constructed with an upper enlarged drillhole to the top of the
11/13/2019	NW ¼ of NE ¼		Galena formation, which can be encountered below the Maquoketa Formation at a
Area 116	SW ¼ of NE ¼		depth of approximately 150 to 280 feet below ground surface.
	NW ¼ of NW ¼ - areas southeast of Gill Creek.		2. The annular space must be sealed with neat cement grout which must be placed
	NE ¼ of NW ¼- areas east of Gill Creek.		using the Bradenhead method or Grout Shoe method of grouting in a manner
	SE ¼ of NW ¼ - areas south of Gill Creek.		consistent with the requirements of s. NR812.20, Wis. Adm. Code.
	SW ¼ of NW ¼ - areas east of Gill Creek.		3. The cement grout must have a slurry density of at least 15.2 lbs. /gallon. The grout
			density shall be measured with a mud balance at the grout pump hopper before being
			pumped into the annular space. The grout shall flow at the surface with the same
			density and consistency as the grout being pumped into the annular space.
			4. The grout must be allowed to set for 24 hours before construction on the lower
			borehole can begin.
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Door	Entire County (Area of high bedrock)	Bacteria	100 to 140' to 170' casing required; And a transition zone where Dept. approval
			required.
44/5/4057			Con DND
11/5/1957			See DNR maps
10/25/1971			Contact DNR Northeast Region Office for required casing depth in transition-zoned
0/0/1074			areas
8/6/1974			
1/1/2006			
Area 8a	Fatire County (Darkinida Minira Citar)	11/0 :-	Contact DND Northwest Desired Office for any inchesive death
Door	Entire County (Pesticide Mixing Sites)	Lead/Arsenic	Contact DNR Northeast Regional Office for required casing depth.
8/13/1990	- Within 1,200 feet of pesticide mixing sites.		
Area 9	- (Contact DNR Northeast Region Office for a map of the mixing sites.)		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Door	Town of Sevastopol (Runaway Lodge Motel Property)	Livestock waste	Cement-grouted casing to a depth of at least 350 feet; and:
3/19/2009	T28N, R27E		Use of rotary mud-circulation drilling methods only – Rotary-air methods may not
			be used;
Area 86	- Sections 18		Upper-enlarged drillhole must be at least 8 ¾ -inch diameter for 6-inch wells or 2
			inches larger than nominal casing diameter for larger wells;
	- NE ¼, NW ¼ [One property only, described as: Door Co.		Cement grout must be ordered from commercial concrete company, have a density
	Parcel I.D. No. 0220318282721D1]		of at least 15.2 lbs./gal & be verified with a mud balance;
			Only Bradenhead or grout shoe method may be used;
			Grout must be allowed to set at least 24 hours.
Door	Town of Baileys Harbor (Area of Special Well Casing Eligibility)	Livestock Waste	Minimum of 260 feet or 50 feet below total depth of existing well, whichever is
			deeper.
11/7/2014	T30, R27E		- Cement grouted casing using either Bradenhead or grout shoe method.
	- Sections 32, 33 and 34 (Portions of these sections)		- Notify Northeast Distric Staff at least 48 hours prior to drilling.
Area 106			
	Town of Jacksonport		
	- All of Section 4 and portions of Sections 3, 5, 9 and 10		
Dunn	Town of Red Cedar (Village of Rusk)(Ag Coop)	Herbicides	Contact DNR West Central Region Office for required approval and better definition of
			affected area
Dec-90	T28N, R12W		
Area 10	- Sections 8, 15, 16, 17 and 18 (portions of these sections)		
Eau Claire	Town of Washington (Closed Landfill – Papermill Sludge)	VOCs	Any new water supply well constructed shall be sampled upon completion and tested
			for volatile organic compounds (VOC's) using EPA Method 502.2 or 524.2 and the
			results sent to the West Central Region Office.
6/4/1992	T27N, R8W		"
Area 11	- Sections 20 and 29 (West portion)		
	- The area bounded on the east by Six-Mile Creek, on the west by the eastern boundary of		
	sections 19 & 30, on the north by the Eau Claire River, and on the south by the southern		
	boundary of the Pope and Talbot property with that southern boundary line running east to		
	intersect Six-Mile Creek		
Florence	Florence County (The Entire area of Florence County is included in this special area)	Naturally occurring Arsenic	No special well construction required. Any new or reconstructed well installed on or
			after January 22, 2007 must be sampled for arsenic at a lab certified to do that
			analysis. These sample results must be submitted to the well owner and DNR. (This
			requirement applies to both unconsolidated formation & bedrock wells.)
11/4/1997	[Note: Previously, in the time period between 11/04/97 &01/22/2007, this area included only a		
	small portion of the Town of Aurora (of Florence County) near Hillcrest School in the		
	Menomonee River Area]		
1/22/2007			
2/20/2007			
3/21/2007			
5/1/2012			
Area 12			

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Fond du Lac	Town of Byron	Livestock Waste	Cement-grouted casing required to a depth of approximately 500 feet, but in any case
			to a depth at least through the Maquoketa Shale Formation; and:
8/12/2007	[Also a Special Area of Well Compensation Eligibility (SAWCE) established on 08/15/07&		Use of rotary mud-circulation or cable-tool drilling methods only – no rotary-air
	03/25/2009]		methods;
3/25/2009	T14N, R17E		Upper-enlarged drillhole must be at least 8 ¾ -inch diameter for 6-inch wells or 2
			inches larger than nominal casing diameter for larger wells;
Area 84	- Sections 32 and 33 (entire sections) Note: The Special Area of Well Compensation Eligibility		Cement grout must be ordered from commercial concrete company, have a density
	includes the NW ¼ of Section 32 and all of Section 33 but does not include the NE ¼, the SE ¼ or		of at least 15.2 lbs./gal & be verified with a mud balance;
	the SW ¼ of Section 32. Area 84 was initially established on 08/12/07 to include all of Section 33.		
	The area was expanded on 03/25/09 to also include all of Section 32 as a SWCDA with the NW¼		
	thereof established as part of the SAWCE)		
			Only Bradenhead or grout shoe method may be used;
			Grout must be allowed to set for at least 24 hours.
Fond du Lac	Town of Ripon (Ripon FF/NN CO. Highways Landfill Site)	VOCs, primarily vinyl	Inner Area
		chloride and	
8/15/2004	T16, R14E	cis-1,2-Dichloroethylene	Either unconsolidated aquifer wells or Precambrian bedrock wells. Precambrian
		(DCE)	bedrock wells must be cased and cement-grouted to at least the top of the
			Precambrian. (Hydrofracturing of Precambrian bedrock wells is not allowed.)
Area 78a	- Section 7		
(Inner Area)	- Section / - S½ of the SE¼		
(IIIIlei Alea)	- Section 18		
	- N½ of the NE¼		
	- S% of the NE% (That portion lying north of both Silver Creek and S. Koro Road)		
	- N½ of the SE¼ (That portion lying north of Silver Creek)		
Fond du Lac	Town of Ripon (Ripon FF/NN CO. Highways Landfill Site)	VOCs, primarily vinyl	Outer Area
		chloride and	
8/15/2004	T16, R14E	cis-1,2-Dichloroethylene	An attempt shall first be made to construct an unconsolidated formation well.
, , ,		(DCE)	
Area 78b	- Section 7	,	
(Outer Area)	- S½ except for the S½ of the SE¼ thereof		When an unconsolidated formation well is not successful then, only with prior
			Department approval, a Cambrian Sandstone well may be constructed. When
			approved, such a well must be cased and cement-grouted at least to the top of the
			Cambrian Sandstone.
	- Section 8		
	- W½ of the SW¼		
	- Section 17		
	- W½ of the NW¼ (That portion lying north of Silver Creek and west of Silver Creek's northern		
	tributary)		
	- Section 18		
	- NW¼ (That portion lying north of both Silver Creek and S. Koro Road and north of Highway		
	23/49)		
	- None of the area described above within the "Inner Area" of Area 78a.		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Green	Town of Monroe	Livestock Waste	Cement-grouted casing to a Min. depth of 160 ft.
2/12/2010	(Also a Special Area of Well Compensation Eligibility established on 02/12/10)	(Bovine Bacteriodes)	Upper-enlarged drillhole must be at least 8 ¾ -inch dia. for 6-inch wells or 2 inches
			larger than nominal casing diameter for larger dia. wells;
Area 92	T2N, R7E		Cement grout must be ordered from commercial concrete company, have a density
			of at least 15.2 lbs./gal & be verified with a mud balance;
	- Section 18		Only use of Bradenhead or Grout Shoe method;
	- SE ¼ of the NW ¼		Grout must be allowed to set for at least 24 hrs.
Green Lake	Town of Green Lake	Livestock Waste	Cement-grouted casing to a Min. depth of 200 ft.
5/13/2014	(Also a Special Area of Well Compensation Eligibility established on 05/12/2014)		Upper-enlarged drillhole must be at least 8 ¾ -inch dia. for 6-inch wells or 2 inches
1 ' '			larger than nominal casing diameter for larger dia. wells;
Area 105	T15N, R13E		Cement grout must be ordered from commercial concrete company, have a density
			of at least 15.2 lbs./gal & be verified with a mud balance;
	- Section 13		Only use of Bradenhead or Grout Shoe method;
	- SW 1⁄4		Grout must be allowed to set for at least 24 hrs.
	- S ½ of NW ¼		
	- Section 14		
	- SE 1⁄4		
	- S ½ of NE ¼		
	- Section 23		
	- NE ¼		
	- N ½ of SE ¼		
	- Section 24		
	- NW 1⁄4		
	T15N, R13E		
	Section 24 - N ½ of SW ¼		
Jackson	Town of Brockway/City of Black River Falls (City Landfill Area)	VOCs	Contact DNR West Central Region Office for required special casing depth.
1/12/1994	T21N, R4W		
Area 13	- Section 11		
	- Portions of the SE¼		
	- Portions of the SW¼		
	- Section 14		
	- That portion of the NE¼ located northeast of Interstate Highway 94, north of Old State Highway		
	54, west of Levis Creek Road, south of Levis Creek and east of the Black River.		
	- (Contact DNR West Central Region Office for detailed map of area.)		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Jackson	Town of Northfield (Village of Northfield Lust Sites)	VOCs	Cement-grouted casing 10' into sandstone bedrock required. (About 100' to
			sandstone)
10/23/1996	T23N, R6W		Upper-enlarged drillhole must be at least 10-inch diameter. A VOC sample is
			required. The Well Driller must notify DNR West Central Region at least 48 hours
			prior to the construction of the well.
Area 14	- Section 22		
	-Starting at the southwest corner of the SE¼ of the NW¼ of; then east along the south line of the		
	SE¼ of the NW¼ to the numbered tributary of Pigeon Creek 22-BBC; then northwesterly along		
	tributary 22-BBC to Pigeon Creek; then westerly along Mill Road to CTH FF; then southerly along		
	CTH FF and along the west line of the SE¼ of the NW¼ of Section 22 to the point of beginning.		
Jefferson	Town of Koshkonong (Superior Valley Meadows Landfill Area) (Zone 1)	VOCs	240' of casing with cement grout required.
6/8/1999	T5N, R14E		
Area 15a	- Sections 25, 26, 35 and 36		
	- Within the area bounded by the western boundary Section 35 and 26, south of Creamery		
	Road, west of Highway 12, south of Cheesbrough Road, west of Buckingham Road, south of		
	Meske Road, and west of Galloway Creek. And north of the ½ section line of Sections 35 and 36,		
	from Galloway Creek to the western boundary of Section 35.		
Jefferson	Town of Koshkonong (Superior Valley Meadows Landfill Area) (Zone 2)	VOCs	Contact DNR South Central Region Office for required approval
6/8/1999	T5N, R14E		
Area 15b	Sections 25, 26, 35 and 36 (The remainder of these sections not included in Area 15a above.)		
Jefferson	Town of Koshkonong (Superior Valley Meadows Landfill Area) (Zone 3)	VOCs	Recommended
6/8/1999	T5N, R14E		Contact DNR South Central Region Office for approval
Area 15c	- Section 27		
	- SE ¼ east of Allen Creek		
	- Section 34		
	- N ½ east of Allen Creek		
Kewaunee	Town of Red River (Extension of Door Co Special Casing Depth Area)	Bacteria	100 feet of casing required
11/5/1957	T25N, R23E		
10/25/1971	-Sections 1 through 6		
8/6/1974			
6/4/2013	-		
Area 8b			
Kewaunee	Town of Lincoln (Extension of Door Co Special Casing Depth Area)	Bacteria	140 feet of casing required
11/5/1957	T25N, R24E		
10/25/1971	-Sections 1 through 6		
8/6/1974			
6/4/2013			
Area 8b			

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Kewaunee	Town of Lincoln (Also a Special Area of Well Compensation Eligibility)	Livestock Waste	200 feet of cement grouted casing
5/29/2013	T25N, R24E	(Bovine Bacteroides)	Bradenhead Grouting Method
Area 99	-SW ¼ of NE ¼ of Section 19		
Kewaunee	Town of Ahnapee (Extension of Door Co Special Casing Depth Area)	Bacteria	140 feet of casing required in Sections 3 through 6 of R25E.
11/5/1957	T25N, R25E		
10/25/1971	- Sections 3 through 6		100 feet of casing required in Sections1 and 2 of R25E and Section 6 of R26E.
8/6/1974	T25N, R25E and R26		
6/4/2013	- Sections 1 and 2		
Area 8b	Section 6		
Kewaunee	Town of Red River (Also a Special Area of Well Compensation Eligibility)	Bacteria, Livestock Waste	160 feet of cement grouted casing by Bradenhead or grout shoe, Maximum depth not
01/22/2015	25N, R23E		to go into the Maquoketa shale or alternately case and grout into Maquoketa shale
Area 107	N1/2 of SE1/4 section 19		and finish in lower aquifer.
Kewaunee	Town of Red River (Also a Special Area of Well Compensation Eligibility)	Bacteria, Livestock Waste	160 feet of cement grouted casing by Bradenhead or grout shoe, Maximum depth of
3/17/2015	T25N R23E		195 feet or alternately case and grout into Maquoketa shale and finish in lower
Area 108	N1/2 NE 14 Section 17		aguifer.
Kewaunee	Town of Lincoln (Also a Special Area of Well Compensation Eligibility)	Bacteria, Livestock Waste	160 feet of cement grouted casing by Bradenhead or grout shoe, Maximum depth not
2/12/2016	T25N R24E		to cross into Maquoketa shale .
Area110	NW NW Section 17		
Kewaunee	Town of Ahnapee (Also a Special Area of Well Compensation Eligibility)	Bacteria, Livestock	140 feet of cement grouted casing by Bradenhead or grout shoe, 24 hour set before
		Waste	lower hole.
3/29/2016	T25N R25E		
Area111	SE of NE of NW Section 8		
Kewaunee	Town of Luxemburg (Also a Special Area of Well Compensation Eligibility)	Bacteria, Livestock Waste	160 feet of neat cement grouted casing by Bradenhead or grout shoe, 24 hour set
11/11/2016	SE 1/4 SW 1/4 of T24N R23E		before construction of lower hole.
Area 112			
Kewaunee	Town of Lincoln (Also a Special Area of Well Compensation Eligibility)	Bacteria, Livestock Waste	140 feet of neat cement grouted casing by Bradenhead or grout shoe, 24 hour set
03/02/2017	Portions of the SW 1/4 of the SE 1/4 S. 21 T25N R24E		before construction of lower hole.
Area 113			
Lincoln	Town of Merrill (Merrill Landfill Area)	VOCs	Contact the DNR Northern Region Office in Rhinelander for required approval
9/27/1995	T32N, R7E		
12/2/1996	- Section 29		
Rev. 02/22/01	- SW1⁄4		
Area 17	- Section 30		
	- SE%		
	- Section 31		
	- NE%		
	- Section 32		
	- NW¾, only that portion north & west of the Prairie River		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Manitowoc	Town of Cato (Also a Special Area of Well Compensation Eligibility)	Livestock waste	Cement-grouted casing to a depth of at least 250 feet; and:
4/1/2009	T19N, R22E		Use of rotary mud-circulation or rotary-air drilling methods
Area 87	- Section 8		Upper-enlarged drillhole must be at least 8 %-inch diameter for 6-inch wells or 2
			inches larger than nominal casing diameter for larger wells;
	- SE¼ of the SE¼		Cement grout must be ordered from commercial concrete company, have a density
			of at least 15.2 lbs./gal & be verified with a mud balance;
	- Section 17		Only Bradenhead or Grout Shoe method may be used;
	- NE¼ of the NE¼		Grout must be allowed to set at least 24 hours before further drilling commences.
	1127-01 tile 1127-		Growt made be disorted to set at least 2 mound before farther arming commences.
Manitowoc	Town of Cooperstown	Livestock Waste	Cement-grouted casing to a depth of at least 170 feet, required, and:
8/12/2008	(Also a Special Area of Well Compensation Eligibility)		Use of rotary mud-circulation or cable-tool drilling methods only – no rotary-air
			methods;
Area 85	T21N, R22E		Upper-enlarged drillhole must be at least 8 ¾ -inch diameter for 6-inch wells or 2
			inches larger than nominal casing diameter for larger wells;
	- Section 1 (entire section)		Cement grout must be ordered from commercial concrete company, have a density
			of at least 15.2 lbs./gal & be verified with a mud balance;
	- Section 2		Only Bradenhead or grout shoe method may be used;
	- E½		Grout must be allowed to set for at least 24 hours.
	- Section 12		
	- N½ of the N½		
	- Section 13		
	- N½ of the NE¼		
Manitowoc	Town of Franklin (Lemberger Landfills Site)	VOCs	Cement-grouted casing to a depth of at least 250 feet, required; and:
9/14/1988	T20N, R22E		Upper-enlarged drillhole (UED) must be at least 4 inches larger in diameter than
			nominal casing diameter;
9/1/2010	- Section 22 (Entire Section)		If rotary-mud methods used, the UED may be reduced to 8-3/4 inch diameter (for 6-
			inch wells).
Area 19/18	- Section 23 (Entire Section)		Cement grout must be ordered from commercial concrete company, have a density
			of at least 15.2 lbs./gal & be density must be verified with a mud balance;
	- Section 24		Only Bradenhead Grouting method may be used;
	- W ½ of the W ½		Grout must be allowed to set for at least 24 hours before lower open bedrock
			drillhole is constructed.
	- Section 25		
	- W ½ of the W ½		
	- Section 26 (Entire Section)		
	- Section 27 (Entire Section)		
	- Section 34 (Entire Section)		
	- Section 35 (Entire Section)		
	- Section 36		
	W ½ of the W ½		
Manitowoc	Town of Gibson (Special Area of Well Compensation Eligibility)	Livestock Waste	Cement-grouted casing to a depth of at least 180 feet required. Braden-head or grout-
	The state of the s	2.705.00.1.105.0	shoe, 24 hour set time.
4/11/2013	T21N, R23E		Side (2 i iiida dec tilite.
Area 98	- SW ¼ of SW ¼ of Section 30		
	5.1. /4 5.1 5.1. /4 51 Section 50		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Manitowoc	Town of Kossuth (Francis Creek Area: Sinkholes & Farm Drainage Wells)	Bacteria	Contact DNR Northeast Region Office for required casing depth.
10/1/1993	T20N, R23E		
Area 20	- Section 16		
	- S½ of the SW¾		
	- Section 17		
	- S½ of the S½		
	- Section 18		
	- S½ of the SE¼		
	- Section 19		
	- E½		
	- Section 20		
	- Entire section		
	- Section 21		
	- W½		
	- Section 28		
	- W½		
	- Section 29		
	- Entire section		
	- Section 30		
	- E½		
	- Section 32		
	- N½		
	- Section 33		
	NW¼		
Manitowoc	Town of Newton	VOC contamination	Cement-grouted casing required to a depth of at least 275 feet, and:
12/15/2015	T18N, R23E		Use of rotary mud-circulation or rotary-air drilling methods;
Area 109	- Section 1 N1/2 and SW 1/4		Cement grout must be ordered from commercial concrete company, have a density
	- Section 2 E 1/2 and S1/2 of NW 1/4 and E 1/2 of SW 1/4 and NW 1/4 of SW1/4		of at least 15.2 lbs./gal & be verified with a mud balance;
	City of Manitowoc		Only Bradenhead or Grout Shoe method may be used;
	T 24N R23E		Grout must be allowed to set for at least 24 hours.
	- Section 35		
	- SE 1/4 of the SE 1/4 of		
	- Section 36		
	- S 1/4 (Entire section)		
Marathon	Town of Easton	Livestock Waste	Cement-grouted casing required to a depth of at least 80 feet, and:
4/21/2009	(Also a Special Area of Well Compensation Eligibility)	2.7651551.77556	Use of rotary mud-circulation or rotary-air drilling methods;
Area 89	t and a special transfer compensation anglesing)		Cement grout must be ordered from commercial concrete company, have a density
	- Section 32		of at least 15.2 lbs./gal & be verified with a mud balance;
	- SE¼ of the SE¼ (Entire quarter-quarter section)		Only Bradenhead or Grout Shoe method may be used;
	SEA OF the SEA (Entire quarter quarter section)		Grout must be allowed to set for at least 24 hours.
			Grout must be allowed to set for at least 24 mours.

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Milwaukee 12/1/1967 Area 21	City of Franklin ("Hale Park Highlands" Subdivision Area LUST Case) T5N, R21E - Section 6 - That portion of the NE% of Section 6 bounded on the west and north by Carroll Circle, on the south by an imaginary line extending eastward from the intersection of West Sommerset Drive to intersect North Cape Road and Forest Home Avenue, including all lots abutting the eastern side of Forest Home Avenue in the affected area.	Petroleum products	Greater than 40' into the bedrock required
Milwaukee	Village of River Hills (Greenbrook Subdivision – Silurian Reef Deposit)	, -	Cement-grouted casing required to the 200-foot depth if this contaminated layer is encountered. Contaminated layer is usually found at the top of bedrock at about the 130-foot depth.
1/22/1997 Area 22	T8N, R22E - Section 6 SE¼		
Oconto	Town of Lakewood (Lakewood DX Gas Station LUST Site) (near intersection of STH 32 & Rugg Rd)	VOCs	Contact DNR Northeast Region Office for required approval. (Water treatment may be necessary.)
Oct-88 Area 23a	T33N, R16E - Section 30 - SE¼ of SW¼ That portion south of McCaslin Creek - W½ of SW¼ of SE½ - SW¼ of NW¼ of SE½ That portion south of McCaslin Creek - Section 31 - NE¼ of NW¼ That portion north of Chain Lake Road - W½ of the NW¾ of NE¾		
Oconto	Town of Lakewood (Mid-Town Gas Station LUST Site) (near intersection of STH 32 & CTH F)	Gasoline	155 feet of casing or contact DNR Northeast Region Office for required approval.
Oct-88 Area 23b	T33N, R16E - Section 32 - NW¼ of the NE¼ - SW¼ of NE¼ That part north of STH 32		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Outagamie	Entire County ("Arsenic Requirement Area")	Naturally occurring	Required
		inorganic arsenic	
10/1/2004	(This "Special Well Casing Depth Area" supercedes both the "Arsenic Advisory Area" and Areas		Option A– Galena-Platteville Dolomite Aquifer wells no deeper than the red numbers
	74 & 75, above.)		on the gray shaded areas of the Township maps.
11/12/2004			Option B – A well cased & cement-grouted at least to the Cambrian Sandstone to the
			depths indicated in black on the Township maps.
9/14/2005			
Area 79a			
Outagamie	Village of Bear Creek (Waugamie FS Coop Area)	Pesticides	Contact DNR Northeast Region Office for required casing depth.
3/2/1988	T24N, R15E		
Area 25	- Those areas that lie east of the Chicago and Northwestern Railroad right-of-way that are in:		
	- Section 19		
	- SW% of the SE%		
	- Section 30		
	- W½ of the NE¼		
	- W½ of the E½ of NE¼		
	- W/2 Of the L/2 Of INL/4		
Outagamie	Town of Osborn (Dunbar Service Station Gasoline Spill) (City of Seymour) (Intersection of	Gasoline	150' casing required
	Highways 54 & 55) (Area now served by Seymour municipal water)		
2/11/1988	T23N, R18E		
Area 26	- Section 4		
	- N½		
	- Section 5		
	- E½ of E½ of the NE¾		
Ozaukee	Town of Cedarburg (Kohlwey LUST Site)	VOCs –	130' cement-grouted casing required
		Petroleum/Gasoline	
9/1/2000	T10N, R21E		
Area 70	- Section 14		
	S½ of the SW¼ of the SE¼		
Ozaukee	City & Town of Cedarburg (Prochnow Landfill)	VOCs	Any new water supply well constructed or an existing water supply well
			reconstruction shall be sampled upon completion and tested for volatile organic
			compounds (VOCs) using EPA Method 502.2 or 524.2 and the results sent to the DNR
			Southeast Region Office.
1/22/1997	T10N, R21E		Recommended
Area 27	- Section 22		Connection to municipal water system, if possible.
	- S½		
	- Section 23		
	- S½		
	- Section 26 (Entire section)		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Ozaukee	Town & Village of Grafton (Lime Kiln Landfill & Quarry)	VOCs	Any new water supply well constructed or an existing water supply well
			reconstruction shall be sampled upon completion and tested for volatile organic
			compounds (VOCs) using EPA Method 502.2 or 524.2 and the results sent to the DNR
			Southeast Region Office.
1/22/1997	T10N, R21E		Recommended
Area 28	Section 25		Connection to municipal water system, if possible.
Ozaukee	Town of Grafton (Denow Landfill)	VOCs	150' of casing required
11/18/2013	T10N, R21E		Any new or replacement water supply well constructed, or an existing water supply
			well reconstructed, shall be sampled upon completion and tested for volatile organic
			compounds (VOCs) and the results sent to the DNR Central Office.
Area 101	- Section 1		150' of casing required.
	- S½ of the N½		Any new or replacement water supply well constructed, or an existing water supply
			well reconstructed, shall be sampled upon completion and tested for volatile organic
			compounds (VOCs) and the results sent to the DNR Central Office.
	- SE¼		
0 1	- E½ of the SW¼	1.00	
Ozaukee 11/18/2013	Town of Grafton (Denow Landfill)	VOCs	
Area 101	T10N, R22E - Section 6		
Area 101	W½ of the SW¼		
Ozaukee	Village of Thiensville (Personal Auto LUST Site)	VOCs	140' casing required
1/16/1991	T9N. R21E	VOCS	140 Cashig required
Area 29a	- Sections 22 and 23		
Aica 25a	- Those portions of these sections that extend 400 feet north and 400 feet south of Spring		
	Street and eastward from the C. M. St. P. & P. Railroad right-of-way to the Milwaukee River		
	Street and castward from the c. W. St. F. & F. Namoad right of way to the Minwadkee Nivel		
Ozaukee	Village of Thiensville (Spur Gas Station LUST Site) (Roettgers Oil)	VOCs	160' casing required.
1/16/1991	T9N, R21E		
Area 29b	Sections 14, 15, 22 and 23		
	- Those portions of these sections that extend 200 feet north and 200 feet south of Freistadt		
ĺ	Road and eastward from the C. M. St. P. & P Railroad right-of-way to a north/south line 200 feet		
	east of the intersection of Freistadt Road and STH57.		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Pierce	Town of Trenton (Hager City Area)	TCE (Trichloroethylene)	Casing shall extend to a depth 5 to 10 feet above sandstone or to the 200-foot depth,
			whichever is shallower. If depth to sandstone is less than 180 feet, contact DNR's
			West Central Region Office for required casing depth.
Oct-97	T24N, R18W		
Area 30	- Section 2 (Portions of this section)		
	(Contact West Central Region Office for better definition of affected area.)		
Racine	Town of Burlington (This is also a Special Area of Well Compensation Eligibility)	Livestock Waste	Cement-grouted casing shall extend to a minimum of 120 feet below ground surface.
3/26/2013	T2N, R19E		
Area 97	NW ¼ of Section 10		
Rock	Town of Fulton (Sand & gravel & industrial landfills) (near Edgerton)	VOCs, especially	Cement-grouted casing shall extend at least 30 feet into bedrock and to a depth of at
		trichloroethylene (TCE)	least 225 feet.
8/15/2003	T4N, R12E		
Area 76	- Section 3		
	- That portion lying south of Hwy 59 and west of N Rock River Rd		
	- Section 10		
	- That portion lying east of Saunders Creek, south of Hwy 59 and west of N Rock River Rd		
	- Section 11		
	- That portion lying west of the Rock River, south of West Watts Springs Rd & east of East		
	Watts Springs Rd to its northeasterly extension and, from that point, straight east to the Rock		
	River		
	- Section 14		
	- That portion lying west and north of the Rock River		
	- Section 15		
Rock	- That portion lying north of the Rock River and east of Saunders Creek Town of Beloit (Natures Ridge et. al.)	Bacteria and Nitrate	Compart arouted assing shall outpard to a minimum double of 150 fact in Castians 14
		Bacteria and Nitrate	Cement-grouted casing shall extend to a minimum depth of 150 feet in Sections 14 and 15.
10/1/2011	T1N, R12E		
Area 96	- W ½ Section 14		
	- NE ¼ of the E ½ of Section 15		
			Cement-grouted casing shall extend to a minimum depth of 120 feet in Section 23
	- W ½ of Section 23		
Rock	Town of Turtle (Village of Shopiere Area)	Bacteria	Cement-grouted casing required to extend to at least the 120 foot depth or to15 feet
			into the sandstone bedrock formation, whichever is the greater depth.
3/4/1997	T1N, R13E		Contact DNR South Central Region Office for better definition of the specific area.
Area 31	- Section 3		
	- SE¼ (Rectangular area that encompasses the Village)		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Saint Croix	Town of Emerald	Livestock Waste	Cement-grouted casing to extend to a depth at least into the Jordan (Cambrian) Sandstone, which will be encountered at a depth of about 250 to 260 feet below ground surface; and:
5/1/2009	(These are also Special Areas of Well Compensation Eligibility)		The upper-enlarged drillhole must be at least 8 ¾ -inch diameter for 6-inch wells or 2 inches larger than nominal casing diameter for larger diameter wells;
Area 90	T30N, R16W		The cement grout must be ordered from commercial concrete company, have a density of at least 15.2 lbs./gal. & be verified with a mud balance;
and	- Section 22 (Area 90) - NW¼ of the SW¼ (Entire quarter-quarter section)		Only the Bradenhead or Grout Shoe method may be used; The grout must be allowed to set for at least 24 hours.
Area 91 6/5/2009	- Section 11 (Area 91) - N ½ of the SW¼ (Entire north half of quarter section)		
Saint Croix	Town of Emerald	Livestock Waste	Cement-grouted casing to extend to a depth at least 40 into the Jordan (Cambrian) Sandstone, which will necessitate cement-grouted casing to a depth of about 205 feet below ground surface; and:
4/15/2010	(This is also a Special Areas of Well Compensation Eligibility)		 The upper-enlarged drillhole must be at least 8 ¼ -inch diameter for 6-inch wells or 2 inches larger than nominal casing diameter for larger diameter wells;
Area 93	T30N, R16W		The cement grout must be ordered from commercial concrete company, have a density of at least 15.2 lbs./gal. & be verified with a mud balance;
	- Section 10 - SE¼ of the SE¼ (Rectangular, 4-acre parcel in the SE Corner of Section 10)		Only the Bradenhead or Grout Shoe method may be used; The grout must be allowed to set for at least 24 hours.
Saint Croix	Town of Emerald	Livestock Waste	Cement-grouted casing to extend to a depth at least 40 into the Jordan (Cambrian) Sandstone, which will necessitate cement-grouted casing to a depth of 250-260 feet below ground surface.
4/24/2014 Area 103	(This is also a Special Areas of Well Compensation Eligibility) T30N, R16W		below ground surface.
	- Section 1 NE% of the SE%		
Saint Croix	Town of Forest	Livestock Waste	Cement-grouted casing to extend to a depth at least 40 into the Jordan (Cambrian) Sandstone, which will necessitate cement-grouted casing to a depth of about 280 feet below ground surface; and:
4/16/2010	(This is also a Special Area of Well Compensation Eligibility)		The upper-enlarged drillhole must be at least 8 % -inch diameter for 6-inch wells or 2 inches larger than nominal casing diameter for larger diameter wells;
Area 94	T31N, R15W		The cement grout must be ordered from commercial concrete company, have a density of at least 15.2 lbs./gal. & be verified with a mud balance;
	- Section 30 - NE% of the NE% (Entire quarter-quarter section)		Only the Bradenhead or Grout Shoe method may be used; The grout must be allowed to set for at least 24 hours.

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Saint Croix	Nor Lake/ Town of Warren/Junker Landfill	VOCs- Trichloroethylene	1. An upper enlarged drillhole must be drilled with mud rotary and extend 20 feet
Area #32	Formerly area #32 and #32 B, combined into area #32.	(TCE)	into firm Cambrian Sandstone (expected at approximately 350 to 400 feet below
Oct-1990	Portions of Town of Warren and Town of Hudson-T29R19W and T29R18W see complete area on		grade). The upper enlarged drillhole shall not be left open for more than 24 hours.
Revised July-	Wisconsin DNR Well Driller Viewer		The department understands that mud rotary may be a challenge in certain
1992, Oct			locations within this area. If fluid circulation cannot be maintained, the driller may
1996 and July-			contact the regional Private Water Supply Specialist and request a change in drilling
2021			method. Any change must be noted on the well construction report.
2021			After drilling of the upper enlarged drillhole, A minimum of 6-inch steel casing
			must be installed and grouted in place with neat cement using an approved grouting
			method. The grout must be allowed to set for a minimum of 24 hours before beginning construction of the lower drillhole.
			4. Within 30 days of pump installation, a VOCs (Volatile Organic Compounds)
			sample shall be taken using an approved method listed in s. NR809.311 Table F, 809.111 Table A, 809.203 Table CM, or 809.243 Table E, appropriate for the
			contaminant and its primary drinking water standard. The sample shall then be
			submitted to the regional Water Supply Specialist within 30 days of reciept.
			A sample must be taken annually for VOCs using an approved method listed in s.
			NR809.311 Table F, 809.111 Table A, 809.203 Table CM, or 809.243 Table E,
			appropriate for the contaminant and its primary drinking water standard until the
			department determines sampling is no longer needed. The samples must be submitted
			to the regional Private Water Supply Specialist within 30 days of receiving the results.
Saint Croix	Town of Star Prairie (City of New Richmond Landfills Area)	VOCs	Minimum Special Requirements
11/11/2002	T31N, R18W		Ten-inch diameter upper enlarged drillhole to a minimum depth of 50 feet into the
			Cambrian Sandstone.
Area 118	- Sections 21		Entire annular space shall be sealed with neat cement grout using a pressure method
			according to the requirements of s NR 812.20, Wis. Adm. Code.
Formerly Area	- NE¼		All wells shall be sampled for VOCs within 30 days of completion, and annually until
32A			the Department determines sampling is no longer required. Cost of sampling is a
			responsibility of the well owner unless other parties volunteer or are ordered by DNR
			to sample.
	- That portion lying east of the Apple River and south of CTH "C"		
	- SE¼		VARIANCES: A variance to these special casing requirements may be granted with
			conditions. Contact DNR Northern District Office for variance requirements.
	That partian lying east of the Apple Biver		
	- That portion lying east of the Apple River		
	- Section 22		
	- NW% of the NW% That position lying year of 110th Street and south of STU "S"		
	- That portion lying west of 110th Street and south of CTH "C"		
	- SW¼ of the NW¼		
	- SW¼ of the SE¼		
	- SW¼		
	- Section 27		
	- NW¼ - W½ of the NE¼		
	- W½ of the NE%		
	- N% of the SW%		
	- Section 28		
	- N½ of the NE¼		
1	- SE¼ of the NE¼		
1	- N½ of the SW¼ of the NE¼		
	<u> -</u>		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Sauk	Town of Spring Green (Lower Wisconsin River Area)	Potential difficulty to keep	
		drillhole open	
8/16/2000	T8N, R3E		Percussion drilling method should be used instead of a rotary method.
Area 69	- Sections 2, 3, 4, 5, 8, 9, 10 & 11 (Entire sections)		
Sauk	Town of Excelsior (Sauk County Landfill Area)	VOCs	Contact DNR South Central Region Office for required casing depth requirements and map of affected area
8/14/2000	T12N, R5E		illap of affected afea
Area 33	- Section 14		
/ cu 55	- SW¼, NW¼		
	- W½, SW¼		
	- Section 15		
	- SE¼, NE¼		
	- E½, SE¼		
	CIAII/ CEI/		
	- SW4, SE4 - S½, SW4		
	- Section 22		
	- N½, NW¾, NW¾		
	- N½, NE¼, NW¼		
	- N½, NW¼, NE¼		
	- N½, NE¼, NE¼		
Sauk	Town of Excelsior (West Wastewater Land-Spreading Site)	BOD, Chlorides, COD, Kjeldahl Nitrogen, Ammonia, Sodium	A minimum of 200 feet of cement-grouted casing. The upper enlarged drillhole shall be constructed using rotary mud-circulation and shall be at least 3 inches larger in diameter than the nominal diameter of the permanent well casing pipe. Either the Bradenhead Method or the Grout Shoe Method shall be used to cement-grout the annular space. Well driller shall provide 24 hours advance notice prior to construction of any well.
1/1/2005	T12N, R5E		
Area 80a	- Section 2		
	- S½, SW¼, SE¼		
	- SW¼, SE¼, SE¼,		
	- Section 11		
	- N½, NW¾, NE¾		
Carrie	- NW¼, NE¼, NE¼	DOD Chlorides COD	A minimum of 200 feet of sound manded as in The sound deliberate bull
Sauk	Town of Excelsior (East Wastewater Land-Spreading Site)	BOD, Chlorides, COD, Kjeldahl Nitrogen, Ammonia, Sodium	A minimum of 200 feet of cement-grouted casing. The upper enlarged drillhole shall be constructed using rotary mud-circulation and shall be at least 3 inches larger in diameter than the nominal diameter of the permanent well casing pipe. Either the Bradenhead Method or the Grout Shoe Method shall be used to cement-grout the annular space. Well driller shall provide 24 hours advance notice prior to construction of any well.
1/1/2005	T12N, R5E		or drift well.
Area 80b	- Section 4		
	- S½, SE¼, SE¼		
	- Section 9		
	- NE¼, NE¼		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Sauk	Town of Excelsior (Cannery Waste & Silage Storage Site)	BOD, Chlorides, COD,	A minimum of 200 feet of cement-grouted casing. The upper enlarged drillhole shall
		Kjeldahl Nitrogen,	be constructed using rotary mud-circulation and shall be at least 3 inches larger in
		Ammonia, Sodium	diameter than the nominal diameter of the permanent well casing pipe. Either the
			Bradenhead Method or the Grout Shoe Method shall be used to cement-grout the
			annular space. Well driller shall provide 24 hours advance notice prior to construction
			of any well.
1/1/2005	T12N, R5E		
Area 80c	- Section 5		
	- SW¼, SW¼, SE¼		
	- SE¼, SE¼, SW¼		
	- Section 8		
	- NE¼, NW¼		
Carriag	NW%, NE% Town of Hayward (City of Hayward Landfill Area)	Landfill Leachate	Recommended
Sawyer 12/29/1995	T41N. R9W	Landilli Leachate	100-foot casing required. (A variance must be obtained to construct any well that will
12/29/1995	141N, NOW		be within 1,200 feet from the landfill.)
Area 34a	- Sections 28, 29, 32, and 33		be within 1,200 feet from the fanding,
711 Cu 3-1u	- Those portions of Sections 28, 29, 32, and 33 near their common corner. The area of		
	includes: North of the Namekagon River; east of the unnamed Namekagon River tributary; south		
	of a line between the southwest corner of the City of Hayward's abandoned landfill and the		
	intersection of the unnamed tributary and Highway 63; and west of a line running from the		
	southeast corner of the landfill to the intersection of Highway 63 and Stress Road and then		
	running south along the unnamed dirt road and continuing to the Namekagon River.		
Sawyer	Town of Hayward (City of Hayward Landfill Area)	VOCs	Contact DNR Northern Region Office in Spooner for better definition of affected area
			and casing required depth.
9/30/1996	T41N, R9W		
Area 34b	- Section 33		
	Portions of the S½ of NW¼		
Shawano		Gasoline	65 feet of casing or casing extending to the top of the granite required.
Mar-84	T26N, R13E		
2/25/1988	- Section 23		
Area 35	- NE¼ and NW¼ - That portion of land lying within 300 feet of the intersection of County Highway M and East		
	Water Street, and that land parcel that lies between County Highway M and the Embarrass River		
	extending to the southeast all the way to the eastern boundary of the SW½ of the NE½.		
	exterioring to the southeast all the way to the eastern boundary of the SW% Of the NE%.		
		l	1

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Sheboygan	Town of Greenbush (South Part) (City of Plymouth Landfill)	VOCs	Required
12/1/2002	T15N, R20E		1. That any new or replacement well be constructed by drilling through the glacial
			aguifer into the top 5 feet of bedrock, set permanent well casing, and seal the annular
			space with neat cement grout, and then drill an open drillhole into the bedrock.
Area 73a	- Section 36		That any new or replacement well be tested for volatile organic chemicals and that
			this information be submitted to the department within 60 days from the date of well
			construction. Certified laboratory lists can be obtained from the WDNR website or
			from drinking water supply staff.
	- NE¼ and SE¼ of the NW¼		
	- NE¼ of the SW¼		
	- NW¼ and NE¼ of the SE¼		
	- N½ of SE¼ of the SE¼		
	- N½ of SW¼ of the SE¼		
	- NE¼		
	Town of Plymouth		
	T15N, R21E		
	- Section 31		
	- NW¼ of the SW¼		
	- SE¼ of the NW¼		
	- NW¼ and NE¼ of the SW¼		
Sheboygan	Town of Greenbush (South Part) (City of Plymouth Landfill)	VOCs	Recommended
12/1/2002	T15N, R20E		1. While normal NR 812 construction is required, driller and/or owner contact with
			WDNR staff before well construction in this area is recommended.
Area 73b	- Section 36		2. That any new or replacement well be tested for VOCs and that this information be
			submitted to the department within 60 days from the date of well construction.
			Certified laboratory lists can be obtained from the WDNR website or from drinking
			water supply staff.
	- NW¼ and SW¼ of the NW¼		
	- NW¼, SW¼ and SE¼ of the SW¼		
	- S½ of the SE¼		
	- S½ of the SW¼ of the SE¼		
	Town of Plymouth		
	T15N, R21E - Section 31		
	- NE% of the NW%		
	- NW¼ and SW¼ of the NE¼		
	- NE% and SE% of the NE%		
	- Those portions located to the west of the ordinary high water mark of Ben Nutt Creek		
	- NW% of the SE%		
	- NE½, the SW¼		
	- Those portions located to the west of the ordinary high water mark of Ben Nutt Creek		
	- SE ¼ of the SE¼		
	Those portions located to the west of the ordinary high water mark of Ben Nutt Creek		
	The second secon		
Sheboygan	Town of Sheboygan (Interstate Plaza Truck Stop LUST Case)	Petroleum	120 feet of casing required
1/22/1997	T15N, R23E		
Area 36a	- Section 5		
	That portion of Section 5 extending 400 feet north from the intersection of Hwy J and N. 47th		
	Street, then east 1,200 feet to the edge of Hwy I 43, then south 1,000 feet along the I-43 right-of-		
1	way into Section 8, then returning northwesterly 1,300 feet to the starting point at the		
	intersection of Hwy J and N. 47th Street.		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Sheboygan	Town of Sheboygan (Interstate Plaza Truck Stop LUST Case)	Petroleum	200 feet of casing required
1/22/1997	T15N, R23E		
Area 36b	- Section 9		
	- That portion of Section 9 bounded on the north by the section line (Jay Road), on the south by		
	the Pigeon River, on the east by the section line, and on the west by a line running parallel 300		
	feet west of the Hwy 42 right-of-way.		
Sheboygan	Town of Sheboygan (Town of Sheboygan Landfill, Spielvogel Landfill, Old Town of Sheboygan	VOCs	200 feet grouted casing into bedrock required
	Dump)		
1/22/1997	T15N, R23E		
Area 37	- Section 16		
	- W½		
	- Section 17		
	- E½		
	- Section 20		
	- E½ of the NE¼		
	- Section 21		
	- NW¼		
Walworth	Town of East Troy (Miramar Subdivision)	Bacteria and Detergents	Recommended
1/16/1991	T4N, R18E		80 feet casing
Area 38	- Section 10		
	- E½ (Those portions north of Potter Lake.)		
	- Section 11		
	- W½, except for the portion south of Potter Lake.		
Walworth	Town of East Troy (Town of East Troy Landfill)	Landfill Leachate	Casing at least to the top of bedrock required.
1/16/1991	T4N, R18E		
Area 39a	- Section 15		
(Segment B)	- NW¼ of the SW¼		
	- Section 16		
	- NE¼ of the SE¼		
Walworth	Town of East Troy (Town of East Troy Landfill)	Landfill Leachate	Recommended
1/16/1991	T4N, R18E		Casing to top of bedrock
Area 39b	- Section 15		
(Segments A, C	- S½ of the SW¼		
& D)			
	- NE¼ of the SW¼		
	- S½ of the NW¼		
	- Section 16		
	- SW¼		
	- S½ of the NW¼		
	- S½ of the NE¾		
	- NW¼ of the SE¼		
	- S½ of the SE¼		
	- Section 21		
	- N½ of the NE¼		
1	- N½ of the NW¼	1	

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Washington	Town of Barton (Metal Working Site)	VOCs	Recommended
1/16/1991	T12N, R19E		Casing to extend 60 feet into bedrock
Area 40	- Section 27		, and the second
	- SE¼ (That portion lying west of the Milwaukee River.)		
Washington	Town of Barton (City of West Bend Landfill) (Schuster Drive Area)	VOC	Cement-grouted casing required to extend to the base of the Maquoketa Shale
1/16/1991	T11N, R19E		
Area 41a	- Section 3		
(Segments C, D	- S½ of the S½ of the SW¼ (Segment D)		
& F)			
(Also see Area	- Section 4		
49)			
	- S½ of the S½ of the SE¼ (Segment C)		
	- Section 9 (Segment F)		
	- E½ (excluding the southern 620 feet)		
	- NE¼ of the SW¼		
	- E½ of the NW¼		
	- Section 10 (Segment F)		
	- W½ (excluding the southern 620 feet)		
	- W½ of the SE¼ (excluding the southern 620 feet)		
	- SW¼ of the NE¼		
Washington	Town of Barton (City of West Bend Landfill) (Schuster Drive Area)	VOC	Recommended
1/16/1991	T11N, R19E		Cement-grouted casing to extend to the base of the Maquoketa Shale
Area 41b	- Section 3		
(Segments A, B,	- S½ (excluding the S½ of the S½ of the SW¾)		
E & G)			
(Also see Area	- Section 4		
49)			
	- S½ (excluding the S½ of the S½ of the SE¼)		
	- Section 9		
	- W½ of the W½		
	- SE¼ of the SW¼		
	- E½ (the southern 620 feet)		
	- Section 10		
].	- E½ of the E½		
]	- NW¼ of the NE¼		
]	- SW¼ of the SE¼ (the southern 620 feet)		
]	- SW¼ (the southern 620 feet)		
Washington	Town of Germantown (Rockfield LUST Site) (very high bedrock area)	Gasoline	100' of cement-grouted casing required
-	T9N, R20E		
Area 42a	- Sections 9 and 10		
	- Those portions that are 500 feet to the east, 500 feet to the west, 200 feet to the north, and		
	300 feet to the south of the intersection of Rockfield Road and CTH G (Division Road)		
	, , , , , , , , , , , , , , , , , , , ,		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Washington	Town of Germantown (Rockfield LUST Site) (very high bedrock area)	Bacteria, Gasoline, Nitrate	Recommended
1/16/1991	T9N, R20E		80' of casing
Area 42b	- Section 9		
	- NE¼ of the SE¼		
	- Section 10		
	NW¼ of the SW¼		
Washington	Town of Germantown (Willow Creek Area)	Gasoline	Recommended
1/22/1997	T9N, R20E		150' cement grouted casing pipe
Area 43	- Section 29		
	- SW¼ of the SW¼		
	- Section 32		
	- NW¼ of the NW¼		
Washington	Town of Germantown (Happy Hollow Subdivision Area)	Gasoline	Recommended
1/22/1997	T9N, R20E		220' of casing
4/9/1998	- Section 31		
Area 44/55	- S½ of the SW¼		
(Segment B)			
Washington	Town of Hartford - including portions of the SW1/4 and SE1/4 of the SE1/4 of Section 4, and	Livestock Bacteria	Required - Minimum depth of 100 feet.
4/22/2018	extending 400 feet north of Arthur Road, T10N, R18E		The upper-enlarged drillhole (UED) shall have a minimum diameter of 8 ¾ inches (for
Area 115			a 6-inch diameter well).
			, , , , , , , , , , , , , , , , , , ,
Washington	Town of Richfield (Amy Bell Road Site)	Gasoline	Recommended
1/22/1997	T9N, R19E		220' of casing
4/9/1998	- Section 36		
Area 44/55	- SE¼ of the SE¼		
(Segment A)			
	- (Also see requirements in Waukesha County, Village of Menomonee Falls, Section 6 and		
	Town of Lisbon, Section 1)		
Washington	Town of Richfield (Goetz Garage LUST Site)	Gasoline	100' of casing into bedrock required
1/22/1997	T9N, R19E		
Area 45	- Section 12 and 13		
	That portion of Section 12 which lies one-eighth mile north of County Hwy 167 and that portion		
	of Section 13 which lies one-eighth mile south of County Hwy 167 and bounded on the west by		
	County Hwy 175 and on the east by the C.M. St. P. & P. Railroad right-of-way. (Five wells		
	replaced by PECFA)		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Washington	Town of Jackson (West Shore Pipeline Spill Site)	Gasoline	Wells must be double cased through the Maquoketa Shale into the Galena/Platteville
Ü			Dolomite. Contact DNR Drinking Water Program in Central Office for a copy of the
			complete specification. All newly constructed wells shall be sampled for Petroleum
			Volatile Organic Compounds within 30 days of completion of well.
			Volatile organic compounds within 30 days of completion of well.
6/12/2013	T10N,R20E		
Area 100	- Section 21		
	- S½ of the SW¼		
	- Section 27		
	- SW¼ of the NW¼		
	- W½ of the SW ¼		
	- Section 28		
	- S½		
	- NW¼		
	- W½ of the NW¾ of the NE¾		
	- S½ of the NE¼		
	- Section 29		
	- SE¼ of the NE¼		
	- E½ of the NE¼ of the NE¼		
	- E½ of the SE¼		
	- Section 32		
	- NE% of the NE%		
	- Continued on next page-		
	- Continued from previous page-		
	Town of Jackson (West Shore Pipeline Spill Site)		
	T10N, R20E		
	- Section 33		
	- N½ of the N½		
	- Section 34		
	- NW¼ of the NW¼		
Washington	Town of Jackson (Division Road high bedrock area)	Bacteria, Nitrate	Minimum of 220' cement grouted casing required
1/22/1991	T10N, R20E		
Area 46a	- Section 27		(Recommend all wells be sampled for nitrate.)
(Segments F & G)	- E½ of the NW¼		
	- NW¼ of the NW¼		
	- W½ of the NE¼		
	- Section 28		
	NE¼ of the NE¼		
Washington	Town of Jackson (Division Road high bedrock area)	Bacteria, Nitrate	Minimum of 120' cement grouted casing required
1/22/1991	T10N, R20E	,	
Area 46b	- Section 21		(Recommend all wells be sampled for nitrate.)
(Segments B, C,			,,
D & E)			
	- Section 22		
	- SW4		
	- Section 27		
	- E½ of the NE¼		
	- E½ of the SW¼		
	- Section 28		
	E½ of the NW ¼ of the NE¼		
	L/2 Of the NWV /4 Of the NE/4	I .	

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Washington	Town of Jackson (Division Road high bedrock area)	Bacteria, Nitrate	Recommended
1/16/1991	T10N, R20E		That all new and existing wells be sampled for nitrate.
Area 46c	- Sections 21, 22, 27 and 28 (Entire sections)		
(Segments A-G)			
	-		
Washington	Town of Polk (Ackerville) (Town Dump & Landfill Site)	VOCs	210 feet of casing required
1/16/1991	T10N, R19E		
Area 47	- Section 20		
Marabia atau	SE¼ Town of Wayne (Kohlsville LUST Site)	Gasoline	450 foot of continuous sixted
Washington	, ,	Gasoline	150 feet of casing required
1/16/1991 Area 48	T12N, R18E - Section 26		
Area 48			
	- SW¼ of the SW¼ of the SW¼		
	- That portion lying south of the Kohlsville River		
	- Section 27		
	- SE¼ of the SE¼ of the SE¼		
	- That portion lying south of the Kohlsville Mill Pond and 200 feet west of CTH W		
	- Section 34		
	- NE% of the NE% of the NE% (The east 200 feet)		
	- Section 35		
Washington	NW¼ of the NW¼ of the NW¼ Town of West Bend (City of West Bend Landfill Area)	VOCs	Recommended
1/22/1997	T11N, R19E	VOCS	Cement-grouted casing to extend to the base of the Maquoketa Shale
1/22/1997 Area 49	- Sections 15 and 16 (Entire sections)		Cernent-grouted casing to extend to the base of the Maquoketa Shale
(Also see	- Sections 15 and 16 (Entire Sections)		
Area 41)			
Area 41)	- (Also, see requirements for Area 41: Washington County, Town of Barton, Sections 3, 4, 9 &		
	10)		
Washington	Town of West Bend (Silver Lake Highland Subdivision)	Methane gas	Recommended
1/22/1997	T11N, R19E		Construction of a bedrock well to avoid naturally occurring methane gas in gravel
, ,			aguifer at 108 feet.
Area 50	- Section 27		1
	- SE¼ of the SE¼		
	That portion within 1,000 feet of 18th Avenue (along Quass Drive).		
Washington	Town of Trenton (Also 'Special Area of Well Compensation Eligibility)	Livestock- related	Required: Cement-grouted casing to a minimum depth of 150 feet; upper-enlarged
		bacteria	drillhole.a minimum diameter of 8-3/4 inched; use of Bradenhead Grouting Method
			only
4/1/2011	T11N, R20E	(Bovine bacteroides)	
Area 95	- W ½ of W ½ of Section 1 & the E ½ of the E ½ of Section 2 (Total of eight quarter-quarter	<u> </u>	
	sections of area)		
	-		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Waukesha	City of Brookfield (Hill 'n Dale Subdivision) (High & creviced bedrock)	Bacteria	135 feet of cement-grouted casing required.
11/8/1963	T7N, R20E (Also see Town of Pewaukee)		
Area 57	- Section 7		
	- W½ of the SW¼		
	- SW¼ of the NW¼		
	- Section 18		
Waukesha	NW% of the NW%	VOCa Landfill Landbata	Company available accions to automate the base of the Magneticta Chala required
waukesna	Town of Delafield (Nickel Landfill Site)	VOCs, Landfill Leachate	Cement-grouted casing to extend to the base of the Maquoketa Shale required
12/1/1977	T7N, R18E		
Area 51	- Section 21		
	- S½ of the NE¼		
	- NW¼		
	- NE¼ of the SW¼		
	- N½ of the SE¼ of the SW¼		
	- N½ of the NW¼ of the SW¼		
	- SE¼		
	- Section 22		
	- SW% of the NE%		
	- S½ of the NW¼ - W½ of the SE¼		
	- SW%		
	- Section 27		
	- N½ of the NW¼		
	- N½ of the SW¼ of the NW¼		
	- N½ of the S½ of the SW¼ of the NW¼		
	- NW¼ of the NE¼		
	- Section 28		
	- NE¼ of the NE¼		
	- N½ of the SE¼ of the NE¼		
	- N½ of the S½ of the SE¾ of the NE¾		
Waukesha	Town of Genesee (Saylesville Pond Area – high limestone bedrock area)	Bacteria	200 feet of cement-grouted casing required
9/8/1970 Area 52a	T6N, R18E - Section 23		
Aled 52d	- SE¼		
	- Section 24		
	- SW¼		
	- Section 25		
	- W½		
	- Section 26		
	E½		
Waukesha	Town of Genesee (Saylesville Pond Area – high limestone bedrock area)	Bacteria	200 feet of cement-grouted casing or special approval required
9/8/1970	T6N, R18E [Within ½-mile of Area 52a (above), except for the N ½ of Sec. 35]		
Revised			
10/12/11 Area 52b	Section 23		
Alea 32b	- NE¼		
	- W½		
	- Section 24		
	- NW¼		
	- E½		
	- Section 25		
	- E½		
1	- Section 26		
1	- W½		
	- Section 36		
	- N½		
L	1		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Waukesha 12/31/1958 Area 59a	Village of Menomonee Falls (High Bedrock Area) T8N, R20E - Sections 1 through 36 (Entire Township) Any location that is between 1,200 feet and ½ mile of a quarry. [If the well will be within 1,200 feet from a quarry the well must be constructed to meet the requirements of s. NR 812.12(16), i.e. the minimum casing depth must be referenced from the bottom of the quarry.] (Also see Town of Lisbon Area 53a.)	Bacteria	100 feet of casing or special approval required
Waukesha 12/31/1958 Area 59b	Village of Lannon (Incorporated Village Area) (high bedrock area) T8N, R20E - Section 8 - Most of the S½ except for the W½ of the SW¼ thereof. - Section 17 except for the W½ of the NW¼ thereof. - Section 18 - S½ - Section 19 - That portion of the W½ lying west and north of STH 74. - That portion of the NE½ lying NW of STH 74 and north of the Village limit (lying south of Forest View Ave). - Section 20 - The N½ except for a small parcel in the SW corner thereof.	Bacteria	100 feet of cement-grouted casing or special approval required
Waukesha 12/31/1958 Area 53a	Town of Lisbon (High bedrock & quarries area) T8N, R19E (Including the Village of Sussex) - Sections 1 through 36. (Entire Township) Any location that is between 1,200 feet and ½ mile of a quarry. [If the well will be within 1,200 feet of a quarry the well must be constructed to meet the requirements of s. NR 812.12(16), i.e. the minimum casing depth must be referenced from the bottom of the quarry.]	Bacteria	100 feet or special approval required
Waukesha 1/16/1991 Area 53b	Town of Lisbon (High bedrock & quarries area) T8N, R19E - Slightly greater than ½ mile of quarries or rock outcrops	Bacteria	Recommended 100 feet of casing
Waukesha 1/22/1997 Area 55/44 (Segment D)	Town of Lisbon (Rapid Mart LUST Site) (Happy Hollow Subd Area) T8N, R19E - Section 1 - That portion that is bounded by lines 200 feet south of the centerline of Hwy Q and 300 feet west of the centerline of Hwy V (Also, see requirements in Village of Menomonee Falls and in Washington Co., Town of Germantown and Town of Richfield.)	Gasoline	220 feet of casing required
Waukesha 1/22/1997 Area 54/58 (Segment A)	Town of Lisbon (Village of Sussex) T8N, R19E - Sections 22, 25, 26, 27, 34, 35 and 36 (Entire sections)	Bacteria	150 feet of casing or special approval required

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Waukesha 1/22/1997	Village of Menomonee Falls (Rapid Mart LUST Site) T8N, R20E	Gasoline	220 feet of casing required
Area 55/44	- Section 6		
(Segment C)	- That portion bounded by lines 200 feet south of the center line of Hwy Q and 300 feet east of the center line of Hwy V.		
	(Also, see requirements: Washington County, Town of Germantown, Section 31 and Town of Richfield, Section 36 and Waukesha County, Town of Lisbon, Section 1)		
Waukesha	Town of Merton (Stonebank LUST Site)	VOCs	Casing to the top of bedrock required
1/16/1991	T8N, R18E		
Area 56b	- Section 19		
	- E½ of the SE¼ of the NW¼		
	That portion of the SW¼ of the NE¼ of located west of Oconomowoc River		
Waukesha	Town of Merton (Stonebank LUST Site)	VOCs	Recommended
1/16/1991	T8N, R18E		Casing to the top of bedrock
Area 56a & c	- Section 19		
	- W½ of the SE¼ of the NW¼		
	- That portion of the NW¼ of the SE¼ of located west of the Oconomowoc River		
Waukesha	City of Muskego – East Part (Muskego Landfill)	VOCs	Recommended:
Jan-04	T5N, R20E		Connection to municipal water system.
Area 67a	- Section 17		Required:
	- SW¼ and NW¼ of the NW¼		Contact the WDNR Southeast Region Office for updated construction
	- SW¼ and NW¼ of the SW¼		requirements. Any new water supply well constructed or an existing water supply well reconstruction shall be sampled upon completion and tested for volatile organic compounds (VOCs) using EPA Method 502.2 or 524.2 and the results sent to the DNR Southeast Region Office.
	- Section 18		
	- SW¼ and SE¼ of the NE¼		
	- SE¼ and SW¼ of the SW¼		
	- The entire SE¼		
	- Section 19		
	- NE¼ of the NE¼		
	- NW¼ of the NE¼		
	- N½ of the SE¼ of the NE¼		
	- N½ of the SW¼ of the NE¼		
1	- NE¼ of the NW ¼		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Waukesha	City of Muskego – East Part Part (Muskego Landfill)	VOCs	Recommended:
Jan-04	T5N, R20E		Any new water supply well constructed or an existing water supply well
			reconstruction shall be sampled upon completion and tested for volatile organic
			compounds (VOCs) using EPA Method 502.2 or 524.2 and the results sent to the DNR
			Southeast Region Office.
Area 67b	- Section 17		2. Contact the WDNR Southeast Region Office for updated construction
			recommendations.
	- NE¼, SW¼ and SE¼ of the SW¼		
	- NE¼, NW¼ and SE¼ of the NW¼		2.
	- Section 18		
	- NE¼ and NW¼ of the NE¼		
	- Section 19		
	- S½ of the SE¼ of the NE¼		
	- S½ of the SW¼ of the NE¼		
	- SE¼, NW¼ and SW¼ of the NW¼		
	- NE¼ of the SW¼		
	- NW¼ and NE¼ of the SE¼		
	- Section 20		
	- NW¼ and SW¼ of the SW¼		
	- NW¼ of the SW¼		
Waukesha	Town of Pewaukee (Hill 'n Dale Subdivision – High & Creviced Bedrock Area)	Bacteria	135 feet cement-casing required
11/8/1963	T7N, R19E (Also see City of Brookfield)		
Area 57	- Section 12		
	- SE¼		
	- S½ of the NE¼		
	- Section 13		
	- N½ of the NE¼		
	- (Also see Waukesha County, City of Brookfield for other segment of this area.)		
Waukesha	Town of Pewaukee (High & Creviced Bedrock Area)	Bacteria	100 feet casing required
1/22/1997	T7N, R19E		
Area 58	- Section 1		
(Segment B)	N½		
	- Section 2		
	N½		
Waupaca	Town of Waupaca (Waupaca Foundry)	VOCs	Contact DNR Northeast Region Office for required casing depth
3/2/1988	T22N, R12E		
Area 60	- Section 28		
	- SW¼		
	- NW¼, that portion south of the Soo Line Railroad Tracks		
	-		

COUNTY	LOCATION	CONTAMINANT	CASING REQUIREMENTS
Winnebago	Entire County ("Arsenic Requirement Area")	Naturally occurring	Required
		inorganic arsenic	
10/1/2004	(This "Special Well Casing Depth Area" supercedes both the "Arsenic Advisory Area" and Areas		Option A– Galena-Platteville Dolomite Aquifer wells no deeper than the red numbers
	72 & 77, below.)		on the gray shaded areas of the Township maps.
11/12/2004			Option B – A well cased & cement-grouted at least to the Cambrian Sandstone to the
			depths indicated in black on the Township maps.
9/14/2005			
Area 79b			
Winnebago	Town of Winchester (LUST Site – Hwy 150)	Gasoline	100 feet of casing required
Mar-88	T20N, R15E	Cusomic	200 rect of cashing required
Revised 10/96	- Section 13		
Area 64	- SW¼		
	- Section 14		
	- SE¼		
	- Section 23		
	- N½ of the NE¾		
	- Section 24		
	- N½ of the NW¾		
	- N½ of the S½ of the NW¾		
Wood	Town of Sherry (Village of Sherry) (Buried Petroleum Tank Site)	VOCs	100 feet of casing required; hydrofracturing allowed only with Department approval.
11/18/1996	T24N, R5E		
Area 65	- That portion of the NE% of the NW% and the SE% of the SW% of Section 4 that are north and		
7.1. Cu 05	west of CTH F; east of 2nd Street and south of a line 150 feet north of CTH N (Main Street)		
	West of Chirt, cast of 2nd street and south of a line 150 recent of the Chirt (Main street)		
Last Modified: 0	07/09/2021 DG_Projects PR_Special_Casing_Areas Tracking & Lists)	•	•