

FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Sanitary Facilities - Part 1.

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Poweshiek County, Iowa

Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
5: Ackmore-----	40	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	1.00
		restricted permeability	0.25	Seepage	0.50
Colo-----	40	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	1.00
		restricted permeability	0.25	Seepage	0.50
7: Wiota-----	90	Somewhat limited Flooding	0.40	Somewhat limited Seepage	0.50
		restricted permeability	0.25	Flooding	0.40
8B: Judson-----	90	Not limited restricted permeability	0.25	Somewhat limited Seepage	0.50
				Slope	0.32
8C: Judson-----	100	Not limited restricted permeability	0.25	Very limited Slope	1.00
				Seepage	0.50
11B: Colo-----	50	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	1.00
		restricted permeability	0.25	Seepage	0.50

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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Ely-----	30	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Depth to saturated zone Seepage Slope	1.00 0.50 0.32
20C: Killduff-----	90	Not limited restricted permeability	0.25	Very limited Slope Seepage	1.00 0.50
20C2: Killduff-----	95	Not limited restricted permeability	0.25	Very limited Slope Seepage	1.00 0.50
20D2: Killduff-----	95	Somewhat limited Slope restricted permeability	0.63 0.25	Very limited Slope Seepage	1.00 0.50
24D2: Shelby-----	85	Somewhat limited Restricted permeability Slope	0.91 0.63	Very limited Slope	1.00
24E: Shelby-----	85	Very limited Slope Restricted permeability	1.00 0.91	Very limited Slope	1.00
24E2: Shelby-----	85	Very limited Slope Restricted permeability	1.00 0.91	Very limited Slope	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
24F: Shelby-----	85	Very limited Slope Restricted permeability	1.00 0.91	Very limited Slope	1.00
41C: Sparta-----	100	Very limited Filtering capacity	1.00	Very limited Seepage Slope	1.00 1.00
41D: Sparta-----	100	Very limited Filtering capacity Slope	1.00 0.96	Very limited Slope Seepage	1.00 1.00
43: Bremer-----	90	Very limited Depth to saturated zone Restricted permeability Flooding	1.00 0.91 0.40	Very limited Depth to saturated zone Flooding	1.00 0.40
51: Vesser-----	95	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.24	Very limited Depth to saturated zone Flooding Seepage	1.00 1.00 0.53
54: Zook-----	95	Very limited Flooding Depth to saturated zone Restricted permeability	1.00 1.00 0.99	Very limited Depth to saturated zone Flooding	1.00 1.00

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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
65D: Lindley-----	100	Very limited Restricted permeability Slope	1.00 0.63	Very limited Slope	1.00
65E: Lindley-----	95	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
65E3: Lindley-----	95	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
65F: Lindley-----	95	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
65F3: Lindley-----	95	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
65G: Lindley-----	95	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
75: Givin-----	95	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone	1.00

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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
76B: Ladoga-----	90	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone Seepage Slope	0.71 0.50 0.32
76C: Ladoga-----	95	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Slope Depth to saturated zone Seepage	1.00 0.71 0.50
76C2: Ladoga-----	95	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Slope Depth to saturated zone Seepage	1.00 0.71 0.50
76D: Ladoga-----	95	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 0.63	Very limited Slope Depth to saturated zone Seepage	1.00 0.71 0.50
76D2: Ladoga-----	85	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 0.63	Very limited Slope Depth to saturated zone Seepage	1.00 0.71 0.50
80C: Clinton-----	95	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Slope Depth to saturated zone	1.00 0.71

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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
80C2: Clinton-----	95	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Slope Depth to saturated zone	1.00 0.71
80D: Clinton-----	90	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 0.63	Very limited Slope Depth to saturated zone	1.00 0.71
80D2: Clinton-----	90	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 0.63	Very limited Slope Depth to saturated zone	1.00 0.71
80E2: Clinton-----	90	Very limited Slope Restricted permeability Depth to saturated zone	1.00 1.00 1.00	Very limited Slope Depth to saturated zone	1.00 0.71
88: Nevin-----	95	Very limited Depth to saturated zone Flooding restricted permeability	1.00 0.40 0.25	Very limited Depth to saturated zone Seepage Flooding	1.00 0.50 0.40
93D2: Shelby-----	60	Somewhat limited Restricted permeability Slope	0.91 0.63	Very limited Slope	1.00

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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Adair-----	30	Very limited Depth to saturated zone Restricted permeability Slope	1.00 0.99 0.63	Very limited Depth to saturated zone Slope	1.00 1.00
93E2: Shelby-----	70	Very limited Slope Restricted permeability	1.00 0.91	Very limited Slope	1.00
Adair-----	30	Very limited Depth to saturated zone Slope Restricted permeability	1.00 1.00 0.99	Very limited Depth to saturated zone Slope	1.00 1.00
118: Garwin-----	95	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Depth to saturated zone Seepage	1.00 0.50
119: Muscatine-----	95	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Depth to saturated zone Seepage	1.00 0.50
120: Tama-----	95	Not limited restricted permeability	0.25	Somewhat limited Seepage	0.50
120B: Tama-----	95	Not limited		Somewhat limited	
		restricted permeability	0.25	Seepage	0.50
				Slope	0.32

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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
120C: Tama-----	95	Not limited restricted permeability	0.25	Very limited Slope	1.00
				Seepage	0.50
120C2: Tama-----	90	Not limited restricted permeability	0.25	Very limited Slope	1.00
				Seepage	0.50
120D2: Tama-----	90	Somewhat limited Slope restricted permeability	0.63 0.25	Very limited Slope	1.00
				Seepage	0.50
122: Sperry-----	100	Very limited Depth to saturated zone Ponding Restricted permeability	1.00 1.00 0.99	Very limited Depth to saturated zone	1.00
				Ponding	1.00
				Restricted permeability	0.99
133: Colo-----	85	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Depth to saturated zone	1.00
				Flooding	1.00
				Seepage	0.50
133+: Colo-----	95	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Depth to saturated zone	1.00
				Flooding	1.00
				Seepage	0.50

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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
162B: Downs-----	100	Somewhat limited restricted permeability	0.35	Somewhat limited Seepage	0.50
				Slope	0.32
162C2: Downs-----	100	Somewhat limited restricted permeability	0.35	Very limited Slope	1.00
				Seepage	0.50
162D: Downs-----	85	Somewhat limited Slope restricted permeability	0.63 0.35	Very limited Slope	1.00
				Seepage	0.50
162D2: Downs-----	100	Somewhat limited Slope restricted permeability	0.63 0.35	Very limited Slope	1.00
				Seepage	0.50
163C: Fayette-----	95	Somewhat limited restricted permeability	0.35	Very limited Slope	1.00
				Seepage	0.50
163C2: Fayette-----	95	Somewhat limited restricted permeability	0.35	Very limited Slope	1.00
				Seepage	0.50
163D2: Fayette-----	95	Somewhat limited Slope restricted permeability	0.63 0.35	Very limited Slope	1.00
				Seepage	0.50

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Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
163E2: Fayette-----	95	Very limited Slope restricted permeability	1.00 0.35	Very limited Slope Seepage	1.00 0.50
179D: Gara-----	95	Very limited Restricted permeability Slope	1.00 0.63	Very limited Slope	1.00
179D2: Gara-----	95	Very limited Restricted permeability Slope	1.00 0.63	Very limited Slope	1.00
179E: Gara-----	95	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
179E2: Gara-----	95	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
179F: Gara-----	100	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
192D2: Adair-----	100	Very limited Depth to saturated zone Restricted permeability Slope	1.00 0.99 0.63	Very limited Depth to saturated zone Slope	1.00 1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
220: Nodaway-----	85	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Flooding Depth to saturated zone Seepage	1.00 0.71 0.50
222C: Clarinda-----	95	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
222C2: Clarinda-----	95	Very limited Depth to saturated zone Restricted permeability	1.00 0.96	Very limited Depth to saturated zone Slope	1.00 1.00
222D2: Clarinda-----	95	Very limited Depth to saturated zone Restricted permeability Slope	1.00 0.96 0.63	Very limited Depth to saturated zone Slope	1.00 1.00
273B: Olmitz-----	100	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Somewhat limited Depth to saturated zone Seepage Slope	0.71 0.50 0.32
273C: Olmitz-----	90	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Slope Depth to saturated zone Seepage	1.00 0.71 0.50

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		Rating class and limiting features	Value	Rating class and limiting features	Value
279: Taintor-----	95	Very limited Depth to saturated zone Restricted permeability	1.00 0.91	Very limited Depth to saturated zone Seepage	1.00 0.50
280: Mahaska-----	90	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Depth to saturated zone Seepage	1.00 0.50
281B: Otley-----	90	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Somewhat limited Depth to saturated zone Seepage Slope	0.71 0.50 0.32
281C: Otley-----	95	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Slope Depth to saturated zone Seepage	1.00 0.71 0.50
281C2: Otley-----	95	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Slope Depth to saturated zone Seepage	1.00 0.71 0.50
281D2: Otley-----	100	Very limited Depth to saturated zone Slope restricted permeability	1.00 0.63 0.25	Very limited Slope Depth to saturated zone Seepage	1.00 0.71 0.50

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		Rating class and limiting features	Value	Rating class and limiting features	Value
291: Atterberry-----	95	Very limited Depth to saturated zone restricted permeability	1.00 0.35	Very limited Depth to saturated zone Seepage	1.00 0.50
293D2: Chelsea-----	65	Very limited Filtering capacity Slope	1.00 0.63	Very limited Slope Seepage	1.00 1.00
Ladoga-----	30	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 0.63	Very limited Slope Depth to saturated zone Seepage	1.00 0.71 0.50
293E2: Chelsea-----	60	Very limited Slope Filtering capacity	1.00 1.00	Very limited Slope Seepage	1.00 1.00
Ladoga-----	30	Very limited Slope Restricted permeability Depth to saturated zone	1.00 1.00 1.00	Very limited Slope Depth to saturated zone Seepage	1.00 0.71 0.50
293F: Chelsea-----	60	Very limited Slope Filtering capacity	1.00 1.00	Very limited Slope Seepage	1.00 1.00
Ladoga-----	30	Very limited Slope Restricted permeability Depth to saturated zone	1.00 1.00 1.00	Very limited Slope Depth to saturated zone Seepage	1.00 0.71 0.50

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		Rating class and limiting features	Value	Rating class and limiting features	Value
377C2: Dinsdale-----	95	Very limited		Very limited	
		Depth to saturated zone	1.00	Slope	1.00
		restricted permeability	0.25	Depth to saturated zone	0.71
				Seepage	0.50
377D2: Dinsdale-----	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Slope	1.00
		Slope	0.63	Depth to saturated zone	0.71
		restricted permeability	0.25	Seepage	0.50
422: Amana-----	85	Very limited		Very limited	
		Flooding	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	1.00
		restricted permeability	0.25	Seepage	0.50
424D2: Lindley-----	60	Very limited		Very limited	
		Restricted permeability	1.00	Slope	1.00
		Slope	0.63		
Keswick-----	30	Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00
		Slope	0.63		
425D2: Keswick-----	90	Very limited		Very limited	
		Restricted permeability	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00
		Slope	0.63		

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		Rating class and limiting features	Value	Rating class and limiting features	Value
428B: Ely-----	90	Very limited Depth to saturated zone restricted permeability	1.00 0.25	Very limited Depth to saturated zone Seepage Slope	1.00 0.50 0.32
430: Ackmore-----	90	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Depth to saturated zone Flooding Seepage	1.00 1.00 0.50
442E2: Downs-----	60	Very limited Slope restricted permeability	1.00 0.35	Very limited Slope Seepage	1.00 0.50
Chelsea-----	30	Very limited Filtering capacity Slope	1.00 0.96	Very limited Slope Seepage	1.00 1.00
451D2: Caleb-----	100	Very limited Depth to saturated zone Slope restricted permeability	1.00 0.63 0.35	Very limited Slope Depth to saturated zone Seepage	1.00 0.71 0.50
453: Tuskeego-----	95	Very limited Restricted permeability Depth to saturated zone Flooding	1.00 1.00 0.40	Very limited Depth to saturated zone Flooding	1.00 0.40

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		Rating class and limiting features	Value	Rating class and limiting features	Value
462B: Downs-----	100	Somewhat limited restricted permeability	0.35	Somewhat limited Seepage	0.50
				Slope	0.32
462C2: Downs-----	85	Somewhat limited restricted permeability	0.35	Very limited Slope	1.00
				Seepage	0.50
484: Lawson-----	85	Very limited Flooding	1.00	Very limited Depth to saturated zone Flooding	1.00
		Depth to saturated zone restricted permeability	1.00		Seepage
488C2: Downs Variant-----	90	Somewhat limited restricted permeability	0.35	Very limited Slope	1.00
				Seepage	0.50
488D2: Downs Variant-----	90	Somewhat limited Slope restricted permeability	0.63	Very limited Slope Seepage	1.00
			0.35		0.50
570C2: Nira-----	100	Very limited Depth to saturated zone restricted permeability	1.00	Very limited Slope Depth to saturated zone Seepage	1.00
			0.25		0.71
					0.50

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		Rating class and limiting features	Value	Rating class and limiting features	Value
570D2: Nira-----	100	Very limited Depth to saturated zone Slope	1.00 0.63	Very limited Slope	1.00
		restricted permeability	0.25	Depth to saturated zone Seepage	0.71 0.50
571C2: Hedrick-----	90	Very limited Depth to saturated zone restricted permeability	1.00 0.35	Very limited Slope	1.00
				Depth to saturated zone Seepage	0.71 0.50
571D2: Hedrick-----	90	Very limited Depth to saturated zone Slope	1.00 0.63	Very limited Slope	1.00
		restricted permeability	0.35	Depth to saturated zone Seepage	0.71 0.50
592D2: Mystic-----	90	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 0.63	Very limited Depth to saturated zone Slope	1.00 1.00
				Seepage	0.50
683D2: Liscomb-----	90	Somewhat limited Slope restricted permeability	0.63 0.25	Very limited Slope	1.00
				Seepage	0.50
687: Watkins-----	90	Somewhat limited Flooding restricted permeability	0.40 0.35	Somewhat limited Seepage	0.50
				Flooding	0.40

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		Rating class and limiting features	Value	Rating class and limiting features	Value
688: Koszta-----	95	Very limited Depth to saturated zone Flooding restricted permeability	1.00 0.40 0.35	Very limited Depth to saturated zone Seepage Flooding	1.00 0.50 0.40
792D2: Armstrong-----	95	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 0.63	Very limited Depth to saturated zone Slope	1.00 1.00
822D2: Lamoni-----	90	Very limited Depth to saturated zone Restricted permeability Slope	1.00 0.99 0.63	Very limited Depth to saturated zone Slope	1.00 1.00
822E2: Lamoni-----	90	Very limited Depth to saturated zone Slope Restricted permeability	1.00 1.00 0.99	Very limited Depth to saturated zone Slope	1.00 1.00
876B: Ladoga-----	90	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone Seepage Slope	0.71 0.50 0.32

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(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Poweshiek County, Iowa

Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
876C2: Ladoga-----	95	Very limited Restricted permeability	1.00	Very limited Slope	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	0.71
				Seepage	0.50
881B: Otley-----	100	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.71
		restricted permeability	0.25	Seepage	0.50
				Slope	0.32
881C2: Otley-----	100	Very limited Depth to saturated zone	1.00	Very limited Slope	1.00
		restricted permeability	0.25	Depth to saturated zone	0.71
				Seepage	0.50
993D2: Gara-----	55	Very limited Restricted permeability	1.00	Very limited Slope	1.00
		Slope	0.63		
Armstrong-----	35	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00
		Slope	0.63		
993E2: Gara-----	60	Very limited Slope	1.00	Very limited Slope	1.00
		Restricted permeability	1.00		

FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Sanitary Facilities - Part 1.

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Poweshiek County, Iowa

Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Armstrong-----	30	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
1220: Nodaway-----	50	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Flooding Depth to saturated zone Seepage	1.00 0.71 0.50
Ackmore-----	35	Very limited Flooding Depth to saturated zone restricted permeability	1.00 1.00 0.25	Very limited Depth to saturated zone Flooding Seepage	1.00 1.00 0.50
5030: Quarry-----	100	Not rated		Not rated	
5040: Orthents-----	100	Not rated		Not rated	
W: Water-----	100	Not rated		Not rated	