

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.)

Lucas 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
13B: Zook-----	45	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Restricted permeability	0.99	Slope	0.08
Olmitz-----	30	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Seepage	0.50
		restricted permeability	0.25	Slope	0.32
Vesser-----	20	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		restricted permeability	0.25	Seepage	0.50
				Slope	0.32
23C: Arispe-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Restricted permeability	0.99	Slope	1.00
				Seepage	0.50
23C2: Arispe-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Restricted permeability	0.99	Slope	1.00
				Seepage	0.50
24D: Shelby-----	100	Somewhat limited Restricted permeability	0.91	Very limited Slope	1.00
		Slope	0.63		

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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
24D2: Shelby-----	100	Somewhat limited Restricted permeability Slope	0.91 0.63	Very limited Slope	1.00
24E2: Shelby-----	95	Very limited Slope Restricted permeability	1.00 0.91	Very limited Slope	1.00
24E3: Shelby-----	95	Very limited Slope Restricted permeability	1.00 0.91	Very limited Slope	1.00
24F2: Shelby-----	100	Very limited Slope Restricted permeability	1.00 0.91	Very limited Slope	1.00
51: Vesser-----	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
51+: Vesser-----	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

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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
51B: Vesser-----	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
51B+: Vesser-----	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
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
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
54B: Zook-----	90	Very limited Depth to saturated zone Restricted permeability	1.00 0.99	Very limited Depth to saturated zone Slope	1.00 0.32
65E: Lindley-----	95	Very limited Slope Restricted permeability	1.00 1.00	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
65E2: 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
65F2: 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
65G2: Lindley-----	95	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
93D2: Shelby-----	60	Somewhat limited Restricted permeability Slope	0.91 0.63	Very limited Slope	1.00
Adair-----	40	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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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
94D2: Mystic-----	60	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 0.63	Very limited Depth to saturated zone Slope Seepage	1.00 1.00 0.50
Caleb-----	40	Somewhat limited Slope Depth to saturated zone restricted permeability	0.63 0.43 0.35	Very limited Slope Seepage	1.00 0.50
94E2: Mystic-----	60	Very limited Restricted permeability Depth to saturated zone Slope	1.00 1.00 1.00	Very limited Depth to saturated zone Slope Seepage	1.00 1.00 0.50
Caleb-----	35	Very limited Slope Depth to saturated zone restricted permeability	1.00 0.43 0.35	Very limited Slope Seepage	1.00 0.50
131B: Pershing-----	90	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 0.32
131C: Pershing-----	100	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	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
131C2: Pershing-----	100	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
131D2: Pershing-----	100	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
132B: Weller-----	100	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 0.32
132C: Weller-----	100	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
132C2: Weller-----	100	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
132D2: Weller-----	100	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

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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
172: Wabash-----	95	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	1.00
		Restricted permeability	1.00		
179D2: Gara-----	95	Very limited Restricted permeability	1.00	Very limited Slope	1.00
		Slope	0.63		
179E: Gara-----	95	Very limited Slope	1.00	Very limited Slope	1.00
		Restricted permeability	1.00		
179E2: Gara-----	95	Very limited Slope	1.00	Very limited Slope	1.00
		Restricted permeability	1.00		
179E3: Gara-----	95	Very limited Slope	1.00	Very limited Slope	1.00
		Restricted permeability	1.00		
179F: Gara-----	100	Very limited Slope	1.00	Very limited Slope	1.00
		Restricted permeability	1.00		
179F2: Gara-----	100	Very limited Slope	1.00	Very limited Slope	1.00
		Restricted permeability	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
179G2: Gara-----	100	Very limited Slope Restricted permeability	1.00 1.00	Very limited Slope	1.00
192C2: Adair-----	95	Very limited Depth to saturated zone Restricted permeability	1.00 0.99	Very limited Depth to saturated zone Slope	1.00 1.00
192D2: Adair-----	95	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
211: Edina-----	90	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone Seepage	1.00 0.50
220: Nodaway-----	90	Very limited Flooding Depth to saturated zone restricted permeability	1.00 0.43 0.25	Very limited Flooding Seepage	1.00 0.50
222C: Clarinda-----	100	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone Slope	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
222C2: Clarinda-----	100	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
222C3: Clarinda-----	100	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
222D2: Clarinda-----	100	Very limited Depth to saturated zone Restricted permeability Slope	1.00 1.00 0.63	Very limited Depth to saturated zone Slope	1.00 1.00
223C2: Rinda-----	100	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
223D2: Rinda-----	100	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
269: Humeston-----	95	Very limited Flooding Depth to saturated zone Restricted permeability	1.00 1.00 1.00	Very limited Depth to saturated zone Flooding Seepage	1.00 1.00 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
269+: Humeston-----	95	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	1.00
		Restricted permeability	1.00	Seepage	0.32
273B: Olmitz-----	100	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Seepage	0.50
		restricted permeability	0.25	Slope	0.32
273C: Olmitz-----	100	Somewhat limited Depth to saturated zone	0.43	Very limited Slope	1.00
		restricted permeability	0.25	Seepage	0.50
313D2: Gosport-----	90	Very limited Depth to bedrock	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to soft bedrock	1.00
		Slope	0.63	Slope	1.00
313E2: Gosport-----	90	Very limited Depth to bedrock	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
313F: Gosport-----	90	Very limited Depth to bedrock	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to soft bedrock	1.00
		Slope	1.00	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
313F2: Gosport-----	90	Very limited Depth to bedrock	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to soft bedrock	1.00
		Slope	1.00	Slope	1.00
362: Haig-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Restricted permeability	0.99	Seepage	0.50
364B: Grundy-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Restricted permeability	0.99	Slope	0.32
423C2: Bucknell-----	95	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00
423D: Bucknell-----	95	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		
423D2: Bucknell-----	95	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		

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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
425D: Keswick-----	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
425D2: Keswick-----	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
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
451D2: Caleb-----	90	Somewhat limited Slope Depth to saturated zone restricted permeability	0.63 0.43 0.35	Very limited Slope Seepage	1.00 0.50
451E2: Caleb-----	90	Very limited Slope Depth to saturated zone restricted permeability	1.00 0.43 0.35	Very limited Slope Seepage	1.00 0.50

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		Rating class and limiting features	Value	Rating class and limiting features	Value
452C: Lineville-----	100	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
452C2: Lineville-----	100	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
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
470D2: Lamoni-----	70	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
Shelby-----	30	Somewhat limited Restricted permeability Slope	0.91 0.63	Very limited Slope	1.00
484: Lawson-----	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

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		Rating class and limiting features	Value	Rating class and limiting features	Value
587: Chequest-----	90	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	1.00
		Restricted permeability	0.91		
587+: Chequest-----	90	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	1.00
		Restricted permeability	0.91		
592C2: Mystic-----	90	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00
				Seepage	0.50
592D2: Mystic-----	90	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	Seepage	0.50
711: Nodaway-----	70	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	0.43	Seepage	0.50
		restricted permeability	0.25		

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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
Lawson-----	25	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone restricted permeability	1.00 0.25	Flooding	1.00
				Seepage	0.50
792C: Armstrong-----	100	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00
792C2: Armstrong-----	100	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00
792D: Armstrong-----	100	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		
792D2: Armstrong-----	100	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		
792D3: Armstrong-----	100	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		

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		Rating class and limiting features	Value	Rating class and limiting features	Value
822C: Lamoni-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Restricted permeability	0.99	Slope	1.00
822C2: Lamoni-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Restricted permeability	0.99	Slope	1.00
822D: Lamoni-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Restricted permeability	0.99	Slope	1.00
		Slope	0.63		
822D2: Lamoni-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Restricted permeability	0.99	Slope	1.00
		Slope	0.63		
831B: Pershing-----	100	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	0.32
831C: Pershing-----	100	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Slope	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
831C2: Pershing-----	100	Very limited Restricted permeability Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Slope	1.00 1.00
894D2: Bucknell-----	65	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
Gara-----	35	Very limited Restricted permeability Slope	1.00 0.63	Very limited Slope	1.00
993D2: Gara-----	60	Very limited Restricted permeability Slope	1.00 0.63	Very limited Slope	1.00
Armstrong-----	40	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
1711: Nodaway-----	65	Very limited Flooding Depth to saturated zone restricted permeability	1.00 0.43 0.25	Very limited Flooding Seepage	1.00 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
Lawson-----	25	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone restricted permeability	1.00	Flooding	1.00
			0.25	Seepage	0.50
5021: Orthents-----	100	Not rated		Not rated	
5025: Strip Mines-----	100	Not rated		Not rated	
5040: Orthents-----	100	Not rated		Not rated	
INT: Intermittent Water--	100	Not rated		Not rated	
SL: Sewage Lagoon-----	100	Not rated		Not rated	
W: Water-----	100	Not rated		Not rated	

