

Table 7. Type of Manure Storage and Factor M

Type of Manure Storage	Factor M
Open pile	.9F* + .06
Covered concrete tank	.6F* + .2
Anaerobic, open concrete tank or silo	.7F* + .3
Above grade or partially above grade storage with concrete or clay side walls and concrete floor - for semi-solid manure	.8F* + .25
Anaerobic, open earth-sided pit, pond or lagoon	.5F* + 1

FOR NEW MANURE STORAGE

*When calculating the acceptable distance, use MDS Formula II.
 Values of 'C' in the formula F=ABCD should never be less than following minimums.
 - open concrete tank, silo, or pile..... 0.8
 - covered concrete tank..... 0.6
 - open earth-sided pit, pond, or lagoon..... 1.0

EVALUATION OF EXISTING MANURE STORAGE

When determining if an existing manure storage is satisfactory, use MDS formula III.

F*	COEFFICIENT S						F*	COEFFICIENT S					
	.9F*+.06	.6F*+.2	.7F*+.3	.8F*+.25	.5F*+ 1	.9F*+.06		.6F*+.2	.7F*+.3	.8F*+.25	.5F*+		
.02	.078	.212	.314	.266	1.010	1.02	.978	.812	1.014	1.066	1.510		
.04	.096	.224	.328	.282	1.020	1.04	.996	.824	1.028	1.082	1.520		
.06	.114	.236	.342	.298	1.030	1.06	1.014	.836	1.042	1.098	1.530		
.08	.132	.248	.356	.314	1.040	1.08	1.032	.848	1.056	1.114	1.540		
.10	.150	.260	.370	.330	1.050	1.10	1.050	.860	1.070	1.130	1.550		
.12	.168	.272	.384	.346	1.060	1.12	1.068	.872	1.084	1.146	1.560		
.14	.186	.284	.398	.362	1.070	1.14	1.086	.884	1.098	1.162	1.570		
.16	.204	.296	.412	.378	1.080	1.16	1.104	.896	1.112	1.178	1.580		
.18	.222	.308	.426	.394	1.090	1.18	1.122	.908	1.126	1.194	1.590		
.20	.240	.320	.440	.410	1.100	1.20	1.140	.920	1.140	1.210	1.600		
.22	.258	.332	.454	.426	1.110	1.22	1.158	.932	1.154	1.226	1.610		
.24	.276	.344	.468	.442	1.120	1.24	1.176	.944	1.168	1.242	1.620		
.26	.294	.356	.482	.458	1.130	1.26	1.194	.956	1.182	1.258	1.630		
.28	.312	.368	.496	.474	1.140	1.28	1.212	.968	1.196	1.274	1.640		
.30	.330	.380	.510	.490	1.150	1.30	1.230	.980	1.210	1.290	1.650		
.32	.348	.392	.524	.506	1.160	1.32	1.248	.992	1.224	1.306	1.660		
.34	.366	.404	.538	.522	1.170	1.34	1.266	1.004	1.238	1.322	1.670		
.36	.384	.416	.552	.538	1.180	1.36	1.284	1.016	1.252	1.338	1.680		
.38	.402	.428	.566	.554	1.190	1.38	1.302	1.028	1.266	1.354	1.690		
.40	.420	.440	.580	.570	1.200	1.40	1.320	1.040	1.280	1.370	1.700		
.42	.438	.452	.594	.586	1.210	1.42	1.338	1.052	1.294	1.386	1.710		
.44	.456	.464	.608	.602	1.220	1.44	1.356	1.064	1.308	1.402	1.720		
.46	.474	.476	.622	.618	1.230	1.46	1.374	1.076	1.322	1.418	1.730		
.48	.492	.488	.636	.634	1.240	1.48	1.392	1.088	1.336	1.434	1.740		
.50	.510	.500	.650	.650	1.250	1.50	1.410	1.100	1.350	1.450	1.750		
.52	.528	.512	.664	.666	1.260	1.52	1.428	1.112	1.364	1.466	1.760		
.54	.546	.524	.678	.682	1.270	1.54	1.446	1.124	1.378	1.482	1.770		
.56	.564	.536	.692	.698	1.280	1.56	1.464	1.136	1.392	1.498	1.780		
.58	.582	.548	.706	.714	1.290	1.58	1.482	1.148	1.406	1.514	1.790		
.60	.600	.560	.720	.730	1.300	1.60	1.500	1.160	1.420	1.530	1.800		
.62	.618	.572	.734	.746	1.310	1.62	1.518	1.172	1.434	1.546	1.810		
.64	.636	.584	.748	.752	1.320	1.64	1.536	1.184	1.448	1.562	1.820		
.66	.654	.596	.762	.778	1.330	1.66	1.554	1.196	1.462	1.578	1.830		
.68	.672	.608	.776	.794	1.340	1.68	1.572	1.208	1.476	1.594	1.840		
.70	.690	.620	.790	.810	1.350	1.70	1.590	1.220	1.490	1.610	1.850		
.72	.708	.632	.804	.826	1.360	1.72	1.608	1.232	1.504	1.626	1.860		
.74	.726	.644	.818	.842	1.370	1.74	1.626	1.244	1.518	1.642	1.870		
.76	.744	.656	.832	.858	1.380	1.76	1.644	1.256	1.532	1.658	1.880		
.78	.762	.668	.846	.874	1.390	1.78	1.662	1.268	1.546	1.674	1.890		
.80	.780	.680	.860	.890	1.400	1.80	1.680	1.280	1.560	1.690	1.900		
.82	.798	.692	.874	.906	1.410	1.85	1.725	1.310	1.595	1.730	1.925		
.84	.816	.704	.888	.922	1.420	1.90	1.770	1.340	1.630	1.770	1.950		
.86	.834	.716	.902	.938	1.430	1.95	1.815	1.370	1.665	1.810	1.975		
.88	.852	.728	.916	.954	1.440	2.00	1.910	1.400	1.700	1.850	2.000		
.90	.870	.740	.930	.970	1.450	2.10	1.950	1.460	1.770	1.930	2.025		
.92	.888	.752	.944	.986	1.460	2.20	1.990	1.520	1.840	2.010	2.050		
.94	.906	.764	.958	1.002	1.470	2.30	2.030	1.580	1.910	2.090	2.075		
.96	.924	.776	.972	1.018	1.480	2.40	2.070	1.640	1.980	2.170	2.200		
.98	.942	.788	.986	1.034	1.490	2.50	2.110	1.700	2.030	2.230	2.230		
1.00	.960	.800	1.000	1.050	1.500								