Rainfall Depths and Intensities for 2 year, 30 minute Storm

for use in Sediment Basin Design Sizing for select Counties in Western Kansas [(1)]

County Name	Rainfall Depth (in)	Intensity[(2)] (in/hr)	County Name	Rainfall Depth (in)	Intensity[(2)] (in/hr)
Barber	1.27	2.54	Meade	1.14	2.28
Barton	1.24	2.48	Mitchell	1.27	2.54
Cheyenne	1.04	2.08	Morton	1.07	2.14
Clark	1.19	2.38	Ness	1.14	2.28
Comanche	1.22	2.44	Norton	1.17	2.34
Decatur	1.12	2.24	Osborne	1.22	2.44
Edwards	1.19	2.38	Pawnee	1.22	2.44
Ellis	1.17	2.34	Phillips	1.19	2.38
Ellsworth	1.27	2.54	Pratt	1.24	2.48
Finney	1.09	2.18	Rawlins	1.09	2.18
Ford	1.24	2.48	Reno	1.29	2.58
Gove	1.12	2.24	Rice	1.29	2.58
Graham	1.17	2.34	Rooks	1.19	2.38
Grant	1.05	2.10	Rush	1.19	2.38
Gray	1.14	2.28	Russell	1.24	2.48
Greeley	1.05	2.10	Scott	1.09	2.18
Hamilton	1.05	2.10	Seward	1.09	2.18
Harper	1.29	2.58	Sheridan	1.12	2.24
Haskell	1.09	2.18	Sherman	1.02	2.04
Hodgeman	1.14	2.28	Smith	1.22	2.44
Jewell	1.27	2.54	Stafford	1.24	2.48
Kearny	1.07	2.14	Stanton	1.05	2.10
Kingman	1.29	2.58	Stevens	1.07	2.14
Kiowa	1.22	2.44	Thomas	1.09	2.18
Lane	1.12	2.24	Trego	1.17	2.34
Lincoln	1.27	2.54	Wallace	1.02	2.04
Logan	1.07	2.14	Wichita	1.07	2.14

[(1)] Note: For the remainder of counties in Kansas, not listed above, rainfall depths from a 2 year, 30 minute storm is greater than or equal to 1.3 inches. For the unlisted counties, the 3,600 cubic feet of storage per acre of total contributing drainage area to the sediment basin needs to be used unless a significant portion of the contributing drainage area is undisturbed. See "Sediment Basin Design Criteria" in the "Definitions and Acronyms Section" of the *Stormwater Runoff from Construction Activities General Permit*.

[(2)] Note: For the rational equation, rainfall intensity is used rather than rainfall depth. Source for rainfall intensity was from the Kansas Department of Transportation (KDOT) publication *Rainfall Tables for Counties in Kansas.* This publication can be download from the following website: http://www.ksdot.org/burDesign/KansasRainfallIntensities.PDF