

Policy 1.2.8 Design Storms and Pollution Abatement Level of Service Standards

Lake County hereby adopts the following minimum level of service standards for design storms and pollution abatement level of service standards:

Table STORM 1 – Level of Services Standards for Design Storms and Pollution Abatement

FACILITY	FREQUENCY AND DURATION
Bridges	50 Year 24 Hours
Principal arterial bridges and evacuation routes	100 Year 24 Hours
Canals, ditches, swales or culverts for drainage external to the development	25 Year 24 Hours
Canals, ditches, swales, or culverts for drainage internal to the development	10 Year 24 hour
Detention and retention basins contributory to land-locked areas with no positive outlet	25 Year 96 hours
Detention/Retention Structures with a positive outlet	25 Year 24 Hours Mean Annual Storm
<u>Houses/Buildings/Garages first floor elevation must be 18 inches or above the 100-year flood elevation</u>	<u>100 years, 24 hours</u>
Storm sewers	10 year storm

- ~~• Design storm based on 24 hour minimum.~~
- ~~• Pollution abatement shall be accomplished by requiring stormwater management systems to retain or detain with filtration, the first one-half inch of run-off from developed sites, or the run-off generated from the first inch of rainfall on developed sites, whichever is greater.~~
- ~~• Lake County shall require a retention/detention system that limits peak discharge of a developed site to the discharge from the site in an undeveloped condition during a 24 hour/25-year frequency storm event.~~
- ~~• Lake County shall require, prior to development approval that projects receive appropriate permits from State agencies to comply with the rules and regulations for stormwater facility design, performance and discharge.~~
- ~~• Discharged stormwater run-off shall not degrade receiving surface water bodies below the minimum conditions as established by State water quality standards (17-302 and 17-40.420, FAC).~~

If the site's runoff directly discharges to Class I, Class II or Outstanding Florida Waters (OFW), then the Pollution Abatement Treatment Requirements shall be increased an additional fifty percent (50%) more than described, and off-line retention or off-line detention with filtration of the first one-half inch of runoff or off-line detention without filtration of the first inch of runoff shall be required. Lake County shall discourage the use of detention with filtration pollution

abatement systems due to their high failure rate and costly maintenance; thus, Lake County shall allow detention with filtration only if detention without filtration cannot be used.