

# LAKE GRADY DAM Emergency Response Plan

Hillsborough County, Florida



August 2001

**BCI**  
ENGINEERS & SCIENTISTS, INC.

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## EMERGENCY NOTIFICATION

Since there are homes located within the dam break flood area, the following emergency notification measures for the property owners and residents downstream will be followed.

A list of names, addresses, and telephone numbers of homeowners within the potential flood areas will be determined by the O & M entity, and given to the Hillsborough County Sheriff's Office prior to spillway operation. The contact at the Sheriff's Office is Lt. John Reed at P.O. Box 3371, Tampa, FL 33601, phone number 813-247-8591. This list will be updated yearly by the maintenance entity using information from the Hillsborough County Property Appraisers Office. During the following specified conditions the O & M entity will contact the Sheriff's Office, and the Sheriff's Office will then notify the residents on their list:

- 1) Water within Lake Grady reaches a high level ( $> 500$  Yr Event = 42.35'), and overtopping may occur.
- 2) Obvious evidence of seepage high on the downstream slope or at the downstream toe of the dam (boils or soil flow) that is sufficient to cause concern.
- 3) Slumping or movement of the of the dam slopes.
- 4) Monitoring wells in the dam indicate a sudden rise of the phreatic surface that might indicate internal piping.

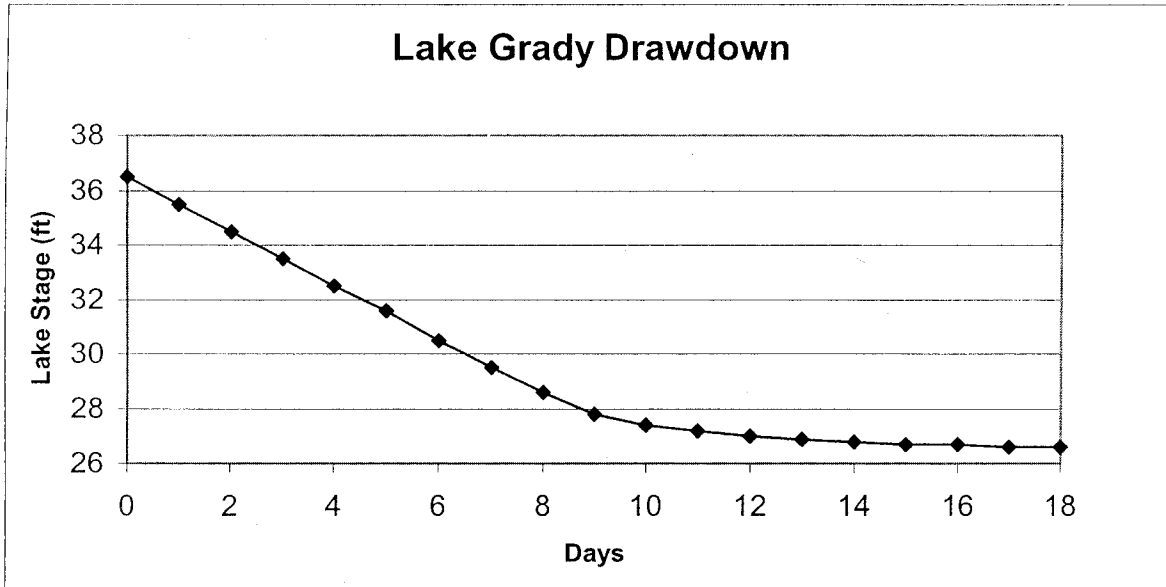
## HURRICANE

Upon formal notice of a Hurricane Warning by the National Oceanic and Atmospheric Association (NOAH) the gate will be fully opened to reduce the water level in Lake Grady. The gate will remain open until the Hurricane Warning has been formally lifted by the National Weather Service (NWS) or NOAH. The Maintenance Entity will operate the gate. The following table shows the drawdown when the 72" gate is fully opened and the starting stage is 36.5 ft.

Time (hrs)	Lake Stage (feet)	Drawdown (feet)
0	36.5	0
24	31.32	5.18
48	28.96	7.54
72	27.99	8.51

CONTROLLED DRAWDOWN

Controlled drawdown of Lake Grady will be at a rate of 1 ft/ day. Refer to attached chart of lake stage vs. time and table showing gate opening.



Day	Lake Stage (ft)	Gate Opening (inches)
0	36.5	14.5
1	35.5	14.5
2	34.5	14.5
3	33.5	14.5
4	32.5	15
5	31.6	17
6	30.5	18
7	29.5	20
8	28.6	Full Open
9	27.8	Full Open
10	27.4	Full Open
11	27.2	Full Open
12	27.0	Full Open
13	26.9	Full Open
14	26.8	Full Open
15	26.7	Full Open
16	26.7	Full Open
17	26.6	Full Open
18	26.6	