



## Know Where To Go During an Emergency

Evacuation routes are marked with "Dam Break Evacuation Route" signs with an arrow pointing towards the safe area. In the event of an emergency, take the nearest evacuation route, proceed in the direction of the arrow past the sign to exit the floodplain, and wait for instructions from local emergency management personnel.



## What You Should Do In An Emergency.



### Background

Salmon Creek Dam is a concrete arch dam constructed in 1914 to provide water for hydroelectric power generation. The reservoir also provides drinking water to Juneau, water DIPAC salmon hatchery, and is a popular recreation area.

Located about three miles up the Salmon Creek valley, the dam is 47-feet thick at the base, and six-feet thick at the top. It is regulated by the Federal Energy Regulatory Commission (FERC) which has very specific requirements for public safety and dams.

### Dam Safety Measures

AEL&P monitors the level of Salmon Creek Reservoir, the flow from the dam in the penstock, and the flow in the lower part of Salmon Creek in real time, 24-hours-a-day. Alarms sound in AEL&P's main control room if any of these parameters exceed normal values.

Monthly inspections include physical verification of the reservoir level and visual inspection for any cracking, erosion, seepage, or other deterioration.

In addition to FERC's annual inspections, they also require a thorough inspection and investigation by a qualified independent engineer every five years and AEL&P Engineers perform inspections as soon as possible after any earthquake felt in the Juneau area.

### The Flood Plain



The flood plain shown on the opposite side of this brochure represents the approximate highwater line under the worst possible conditions. Assumptions used in the flood study include a reservoir elevation of 1167 (its level during a 10,000 year flood), and a disaster that would cause the complete and immediate failure of the dam.

AEL&P maintains an Emergency Action Plan for Salmon Creek Dam. For more information about what to do in an emergency, or about the Emergency Plan, contact our Consumer Affairs department at 907.780.2222.



## SALMON CREEK DAM Emergency Action Plan for Residences & Businesses

FERC PROJECT NO. 2307

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# Salmon Creek Flood Plain



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## Evacuation Areas

**Yellow, Purple** and **Red** sections should evacuate using the nearest route leading out of the floodplain.

Look for the Dam Break Evacuation Route road signs for each section, as indicated below.

Go beyond the signs to a safe location and wait for further instructions from emergency management personnel.



**IN THE EVENT OF AN EMERGENCY**

*A siren will sound; evacuate the area as indicated.*


