NPH Decision Flow Chart

Compile NPH Events → **Applicable to Site?**

NO → **No Further Action, e.g.**
Avalanche
Tsunami
Coastal Erosion
Seiche

YES ↓

NPH Event Frequency $\leq 10^{-4}$ events/year

YES → **No Further Action**
Meteor Strike

NO ↓

Determine Applicable NPH Events, e.g.

Earthquakes	Hurricanes	Tornados
Floods	Ice & Snow	Lightning
Wild Fires	Extreme Temps	Excess Rain
	Windborne Missiles	

↓

Determine most severe documented NPH events for site ← Site licensing information and Federal agency data

↓

Determine Facility Design Bases ← Local Building Code at time of Construction

↓

Can Facility withstand NPH event?

NO → **Determine Significance and Needed Actions, such as:**
• Additional Analysis
• Facility Modifications
• IROFS
• Exemptions

YES ↓

Is equipment damage/spacing loss caused by NPH bounded by current ISA?

NO → **Determine Significance and Needed Actions, such as:**
• Additional Analysis
• Facility Modifications
• IROFS
• Exemptions

YES ↓

No additional IROFS or actions required → **Document in Safety Analysis/ISA Summary**