

## **SAANICH PENINSULA HOSPITAL PPR RESPONDER**

This website has been created by SRI to assist Saanich Peninsula Hospital (SPH) facility managers in their post-earthquake emergency decision-making for the safety of SPH patients and staff.

This website focuses on the post-event structural safety of SPH buildings by using PPR technology in the form of the SPH PPR Responder website.

## **PPR TECHNOLOGY**

Refer to Brochure H42 for an introduction to PPR thresholds / technology.

## **Vmax SENSORS**

Refer to Brochure H43 for some background information on the Vmax ground motion sensors manufactured and installed in SPH buildings by SRI. SRI maintains and replaces Vmax sensors, where necessary, as part of its Island Health contract.

## **VIDEO – PPR INSIGHTS**

Some additional graphical information on PPR technology is provided by the PPR Insights video (menu option). Note that this video has been prepared using RJH as the reference hospital. The PPR technical references in the video are applicable to all Island Health hospitals, including SPH.

## **SRI**

Seismic Resilience Innovation Corporation (SRI) is a specialist company located in Sidney, British Columbia. SRI's exclusive business is the development and installation of PPR Networks.

## **LIVE ANALYSIS**

The Live Analysis menu option gives an immediate graphical illustration of the PPR status of all SPH buildings. This illustration is referred to as a PPR Footprint. The PPR colour legend is given at the bottom right of the Live Analysis Page. In the event of a strong earthquake, the PPR Footprint will be a combination of yellow and red PPR colour codes.

## **SCENARIO ANALYSIS**

On the Scenario Analysis Page, you can explore the seismic performance of the SPH buildings by choosing a peak ground motion through the use of the slider (bottom of Page). A peak ground motion of 30 cm/sec is considered a moderate level of shaking for SPH buildings.

## **PPR LIVE RESULTS**

The PPR rating of each SPH building is shown vertically. The peak ground motion measured by the building sensor is shown as the central vertical black bar within each PPR rating.

## **GROUND MOTION**

This menu option gives the peak ground motion for each SPH building as measured by the SPH Vmax sensors.

## **SENSOR DETAILS**

This page details the PPR thresholds for each SPH building. The right column gives the PPR colour code for each building.

## **BROCHURES**

The menu option provides a selection of brochures that give background information on PPR technology and the PPR process.