

# Naval Point quantitative risk analysis questions and answers

## What does this mean for my property?

The risk analysis quantifies risk in terms of “annual individual fatality”, similar to risk measurements for natural hazards in the Port Hills following the Canterbury earthquakes of 2010 and 2011. In terms of annual individual fatality, the analysis shows that nearby residents are at considerably less risk from the storage facilities than many Port Hills residents are from hazards like rockfall and landslide. When compared to other risks, such as the chance of being involved in a fatal car accident in New Zealand in any given year, the risk posed by the tank farm to nearby residents remains considerably less.

The QRA calculations are based on the likelihood of fatality to an individual who is standing outdoors in one spot, 24 hours a day, seven days a week, for 365 days a year, and does not move when an incident occurs. For this reason, the findings are considered reasonably conservative.

## What actions will the Council/others take that might affect my property?

The Council, along with other parties, is considering reasonably practicable options to eliminate or minimise risk levels in and around the area. This could include measures like no parking signage on nearby roads to reduce the duration the public spends in higher risk areas and identifying an emergency evacuation point. Decisions on the next steps are likely to be made in coming months.

The Council notes that new Health and Safety legislation requires the oil companies that own the facilities to prepare safety assessments by April 2018 that identify whether there are reasonably practicable steps to eliminate or minimise risks associated with operations.

## Will any information be added to my PIM/LIM as a result?

No. LIMs and PIMs contain information that relates directly to the parcel of land on which a property sits. Because the risks posed by the storage facility are generated from another source, they do not need to be recorded on property information.

## Is it safe for me to be in my home or at the recreation area?

The analysis provides a better understanding of the risk associated with the storage facilities. When compared to other similar risk modelling that has taken place in the Port Hills in recent years, the analysis shows that residents are at considerably less risk from the storage facilities than from hazards like rockfall and landslide. The individual fatality risk for people using the reserve should not cause concern, as the risk analysis is based on a hypothetical person who stands at the site 24 hours a day seven days a week. The risk to actual individuals is much lower. The Council will be considering what steps are reasonably practicable to eliminate or minimise the societal risk to groups of people using the reserve.

## What advice do I need to follow in case of one of these emergencies?

In the case of an emergency, people should follow the advice of emergency services or agencies leading the response.

## How safe am I/my family when we are using the sports ground?

The risks identified in the report show can be compared with recent calculations of risk in the Port Hills from geotechnical hazards. They show that people using the recreation ground face a much lower risk from the storage facilities than is posed to nearby properties by rockfall and landslide. The individual fatality risk for people using the reserve should not cause concern, as the risk analysis is based on a hypothetical person who stands at the site 24 hours a day seven days a week. The risk to actual individuals is much lower. The Council will be considering what steps are reasonably practicable to eliminate or minimise the societal risk to groups of people using the reserve.

## Naval Point quantitative risk analysis questions and answers cont.

### What does this report mean for plans to develop the recreation area?

The findings of the risk analysis will also help inform the Council's plans to develop the recreation area at Naval Point, which are still under development.

### What steps is the Council/other parties going to take in response to this report that might affect my use of the recreation area?

The Council, along with other parties, is considering options to manage risk levels in and around the area. This could include measures like no parking signage on nearby roads to reduce the duration the public spends in higher risk areas and identifying an emergency evacuation point. Decisions on the next steps are likely to be made soon.

### What needs to be done in the event of an emergency?

In the case of an emergency, people using the recreation area should follow the advice of emergency services or the agency leading the immediate response.

### What does this report mean for the development plans set out in the Lyttelton Port Recovery Plan?

The findings of the risk analysis will help inform the developments proposed in the Lyttelton Port Recovery Plan.

### What does it mean for the proposed cruise ship berth?

The report considers the proposal to locate a cruise ship berth at Naval Point. No final decisions have been made on a possible cruise ship berth, however this information will feed-in to the ongoing process.

### What are the implications of limited access, emergency planning, use of roads, to my business operations?

The Council, along with other involved parties, will work through any proposed risk management measures with businesses directly affected before decisions are made.