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## **MAJOR INCIDENT & CATASTROPHE RESPONSE BULLETIN**

Event: **EARTHQUAKE in CHILE**

Date: **02 March 2010**

Status: **Update advice (Bulletin No 2)**

The CSL Major Incident Response Team, which co-ordinates the professional response to large and multiple marine loss incidents is now handling new claims assignments following the earthquake which occurred in Chile on Saturday 27<sup>th</sup> February, 2010.

**Latest advice** from the CSL office in Santiago and local field operations as at the 1<sup>st</sup> March 2010 is as follows:

### **Ports & Airports- current status report:**

- **San Antonio** (Port): Structural damage to piers 1, 2 & 3 with quays seriously damaged.
- **Valparaíso** (Port): Partially operative.
- **Talcahuano** (Port): Closed. Two piers have collapsed, and quays and structures destroyed. Warehouses have been subject to structural damage and water ingress / flooding. Likely damage to cargo in storage.
- **San Vicente** (Port): International Terminal partially destroyed and inoperative. Warehouses have been subject to structural damage and water ingress / flooding. Likely damage to cargo in storage.
- **ENAP Terminal** (Jetty and Oil refinery): inoperative.
- **CAP Terminal** (Jetty used for bulk cargo): reported undamaged and operative.
- **Quinteros** (LNG Terminal): the terminal at Quinteros Bay, approximately 30 miles north of Valparaiso (and 300 miles North of the quake zone) is not receiving ships due to discharge arms having suffered physical damage. Cargo operations have been suspended until repairs can be completed.
- **Concepción** (Airport): Operative with restrictions. Currently open to special flights only.
- **Santiago** (Airport): Starting to operate on passenger flights arrival. It is currently anticipated that International flights could start operation on Friday 5<sup>th</sup> March.

**Transportation infrastructure update:** The main highway from Santiago to the South of Chile remains severely disrupted. Travel time by road from the capital to the earthquake area is reported to be approximately 15 hours. Apart from structural damage and collapsing of bridges, many roads have sustained surface and foundation damage and will require inspection and/or repair. The movement of heavy / project cargo by road throughout the country is likely to be restricted and disrupted for a considerable time.

**Update on potential impacts:** the port and shipyard industry in the quake area has sustained serious damage. Dry dock and ship repair facilities and a range of vessels that were undergoing docking and/or repair operations have been heavily affected. Paper pulp export warehouses and containers stored in the port areas of San Vicente have been flooded and damaged by 6 to 9 foot waves that followed the earthquake. Many fishing vessels have been beached or otherwise washed ashore / inland.

Whilst most modern warehouse structures are built to withstand earthquake activity, the magnitude and duration of this event has caused distortion or collapse of racking systems and significant independent movement of stored items. Potential storage loss advices are being reported over a wide geographical area.

**Communications & field intelligence:** As communications and infrastructure networks improve, the capture and dissemination of local marine risk information is also escalating. Further update advices will be available upon request.

**CSL Chile** is an established and respected operation with dedicated local marine resources ready to support our clients' surveying and adjusting requirements. Working with our local partners, our Regional Director, Jorge Viñuela, has a team of over 30 marine specialists including Master Mariners, nautical engineers and naval architects available to respond to this major incident. Our partner office in Talcahuano is staffed by three experienced surveyors.

**MAJOR INCIDENT CONTACTS:**

- CHILE:** Jorge Viñuela      e-mail: [j.vinuela@cslglobal.com](mailto:j.vinuela@cslglobal.com)      Tel: +569 9251 1137
- UK:** John Worrall      e-mail: [j.worrall@cslglobal.com](mailto:j.worrall@cslglobal.com)      Tel: +44 1277 630400
- USA:** Mike Iversen      e-mail: [m.iversen@cslglobal.com](mailto:m.iversen@cslglobal.com)      Tel: +1 417 461 7090
- ASIA:** Sau Weng Tang      e-mail: [sw.tang@cslglobal.com](mailto:sw.tang@cslglobal.com)      Tel: +65 9728 3168

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