

Ongoing Crisis in Japan

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Nuclear Reactors at Fukushima

	Unit 1	Unit 2	Unit 3	Unit 4
Nitrogen gas	Containment Vessel	-	-	-
Fresh water	Reactor Pressure Vessel; Spent fuel pool	Reactor Pressure Vessel; Spent fuel pool	Reactor Pressure Vessel; Spent fuel pool	Spent fuel pool
Analysis of cooling status	Yes	Yes	Yes	No
New Construction	Emergency Building Cover (eventual radiation shielding)	-	-	Supporting structure

Radiation Situation

- Radioisotope monitoring
 - Cesium-237 and iodine-131
- Gamma Radiation monitoring
 - Decreasing Trend
- Air Quality monitoring
 - Decreasing Trend
- Water Ban
 - May 10- Iodine-131 contamination



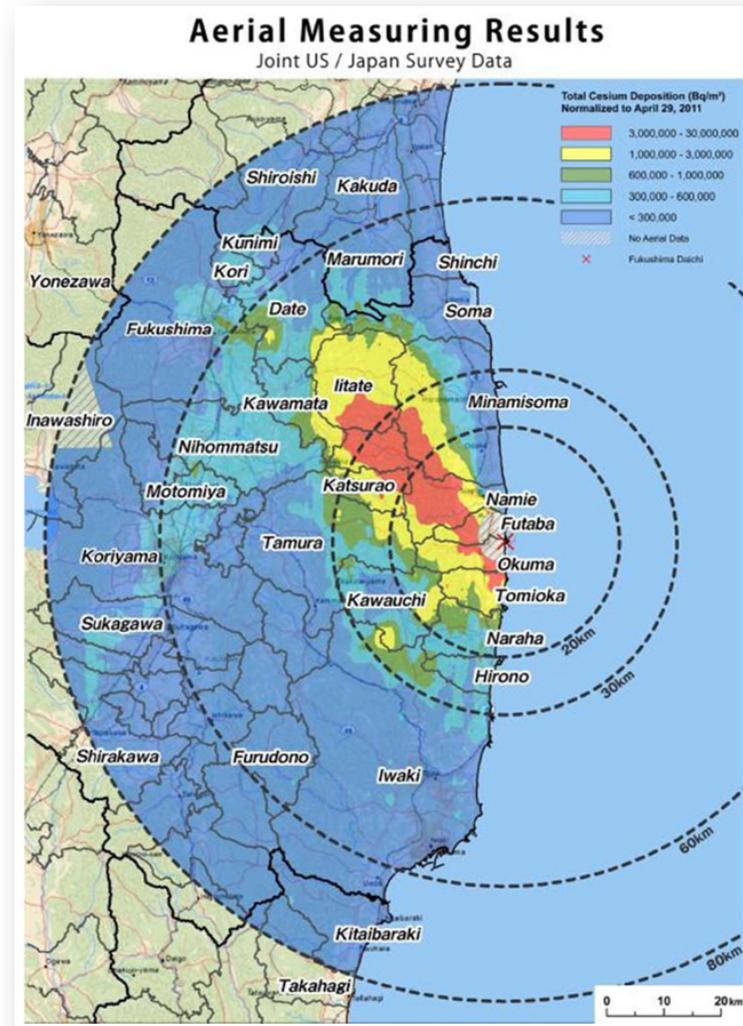
Food Monitoring

- May 12-18
 - 503 food samples analyzed
 - Over Cesium-137 Regulation Standards
 - Fukushima, Ibaraki and Kanagawa
- May 18
 - Food restrictions
 - Fukushima and two cities in Ibaraki
- Exports to USA
 - USDA ban
 - Customs and Border Protection Monitoring
 - No contamination



Marine and Seawater Monitoring

- Marine monitoring
 - “continuing discharges” of radioactive water
 - May 17- Decline in Radioactivity
- Seawater monitoring
- Fig. 1.: (Right) Map of deposition of radiocaesium (sum of Cs-134 and Cs-137) for the land area within 80 km of the Fukushima Daiichi plant, as reported by the Japanese authorities.



Works Cited

- "IAEA Briefing on Fukushima Nuclear Accident (12 - 18 May 2011, 17:00 UTC)." *Fukushima Nuclear Accident Log*. International Atomic Energy Agency, 20 May 2011. Web. 20 May 2011. <<http://www.iaea.org/newscenter/news/tsunamiupdate01.html>>.