

## **Nuclear Evaluation Indicator Program (EIP)**

**IRI** has developed a program designed for corporate and municipal CEOs to help them understand and manage issues and consequences of a nuclear detonation event.

Most corporations and communities prepare and exercise **Emergency Operations Plans (EOPs)** that cover most of the “all-hazard” contingencies, but most do not have a plan for preparation, response, management, and recovery from a nuclear event. Why? Because most people have limited understandings if not misconceptions about this kind of contingency, and they may feel hampered socially and politically to talk about it let alone plan for it. To plan for it is tantamount to accepting that such an event might happen. And, few want to accept it.

## **Instructional Indices and Metrics**

**IRI** has developed its **Evaluation Indicator Program (EIP)** designed to provide instructional indices and metrics to corporate and municipal leaders about what any given community might expect in the aftermath of a nuclear detonation in a location that might affect them. A detonation in one municipal center, for example, will have varying impacts on the respective communities radiating away from the event. Leaders in these communities need to know what this means to them so they in turn can decide what planning measures and public relations steps they should undertake. **IRI** advises each corporation and community accordingly.

**IRI** experts, over many years, have analyzed the behaviors, effects, and consequences of nuclear detonations, given the vast testing program data derived from the U.S. testing program. **IRI** has developed its own models and algorithms of behaviors and effects of nuclear devices and importantly what the impact expectations will be on infrastructure and response logistics.

## **Multipart IMPACT analysis**

**IRI** contributed to the guidance undertaken by the Department of Homeland Security (DHS) and other government agencies addressing damage ranges, for example. In addition, **IRI** addresses impact analysis with respect to resiliency and self-ability to manage multiple, simultaneous events, community by community.

Many communities in the U.S. are well-experienced with hurricanes; other communities with tornadoes; some with earthquakes; some with wildfires; some with chemical spills; some with atmospheric contamination; a few with industrial explosions and building collapses, all with some degree of casualties.

The challenge, of course, is managing the consequences of two or more of these kinds of events taken together. After a nuclear detonation in a populated area, some communities will experience all of these “all-hazards” consequences, all at once. Others will experience all of them to a lesser degree; some will experience some of these; others won’t experience any adverse effects at all, but will be in position to assist communities that did. So, how would each community know where it stands? **IRI’s Evaluation Indicator Program** will illustrate for each community what to expect from light, heat, pressure, wind, electrical disturbance, and possible atmospheric contamination. And, how will this affect communications, utilities, transportation, medical assistance needs, housing, and other community services?

The program entails a briefing and evaluation session by **IRI** experts with specific impact indicators for the respective community along with table-top exercises as appropriate.

**IRI** can also help each community develop or refine its preparedness and response plans, disaster recovery plans, and continuity of operations plans, in keeping with the **EIP Program**.

For more information, call 203-966-7005