



ADVANCED PROTECTIVE CLOTHING TECHNOLOGY

# The Question of Protection

## Whose promise is full of holes?

OREX® competitors continue to perpetuate myths about protective clothing and the relative costs and benefits of launderable and disposable options. But when it comes to personal contamination protection, there is no question. Woven, reusable, laundered garments contain **thousands of holes per square inch**, allowing particles to penetrate. Nuclear power plants that continue to use launderables are learning that they have to put a Tyvek® or comparable disposable garment over their launderable garments in order to achieve protection and comparable results to one layer of Ultra. Most of the plants that have transitioned to OREX Ultra are reporting record low numbers of PCEs, with several plants reporting totals of 20 PCEs or fewer. And after all, what's more important than protecting your people?

### BRAND NEW...

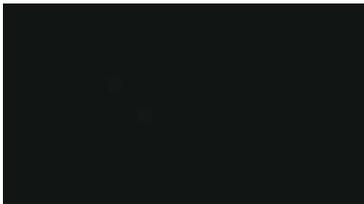
**OREX Ultra fabric  
in normal light**

100X magnification, new



**OREX Ultra fabric  
backlit**

100X magnification, new



### BRAND NEW...

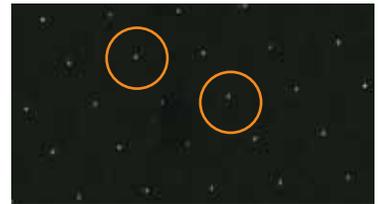
**Protech Plus® fabric  
in normal light**

100X magnification, new



**Protech Plus® fabric  
backlit**

100X magnification, new



### AFTER ONLY 10 WASHES...

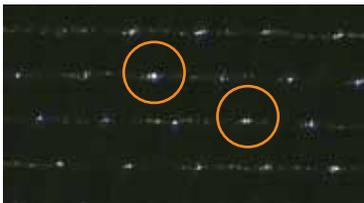
**Protech Plus®  
in normal light**

100X magnification, 10 washes



**Protech Plus® fabric  
backlit**

100X magnification, 10 washes



**Hundreds of holes in Protech Plus® fabric are clearly evident in these photos. In fact, there are thousands of holes per square inch of fabric after washing!**

**Many holes measure 150 microns, which is *twice* the diameter of a human hair and *five times* the mean diameter of typical nuclear plant particulate contamination!**

The images above feature both OREX Ultra and Protech Plus®, photographed both under normal lighting conditions and backlit to illustrate any holes that are visible in either fabric. Since OREX Ultra fabric is translucent in its natural state the fabric has been dyed black for the backlit images. Brand new samples of both the OREX Ultra and Protech Plus® fabrics were photographed at 100X magnification. The launderable Protech Plus® fabric was also photographed after ten washes.

**NO OTHER REGULAR USE GARMENT FOR THE U.S. NUCLEAR INDUSTRY HAS BEEN TESTED AND ENGINEERED LIKE THE OREX ULTRA. IT IS THE ONLY GARMENT IN THE U.S. CERTIFIED TO INTERNATIONAL STANDARDS TO ACTUALLY "PROTECT" WORKERS IN THE PLANT FROM RADIOACTIVE CONTAMINATION. FOR MORE INFORMATION AND A DETAILED COST COMPARISON PLEASE CALL 334-899-4351, OR VISIT US ONLINE AT OREX.COM.**