

## **ERPG, AEGL, and TEEL Comparison**

**Kelsey L. F. Curran**

**Clover Leaf Environmental Solutions, Inc. / Sandia National Laboratories**

[kfcurr@sandia.gov](mailto:kfcurr@sandia.gov)

A comparison is performed on the exposure thresholds of Protective Action Criteria (PAC) for the Emergency Response Planning Guidelines (ERPGs), Acute Exposure Guideline Levels (AEGLs), and Temporary Emergency Exposure Limits (TEELs) of several hazardous chemicals. Background historical information and methods used to derive PAC thresholds for ERPG, AEGL, and TEEL values are researched, equated, and contrasted. Strengths and weaknesses are presented for using ERPG, AEGL, and TEEL threshold quantities for modeling, as input to industrial facility hazard classification purposes. Background and recommendations for use of ERPG, AEGL, or TEEL values for hazard classification are offered using modeling data.