

Factors Affecting the Vertical Distribution of Backgrounds at IMS Stations

TW Bowyer, L Glascoe, J Kusmierczyk-Michulec, DD Lucas, A Tipka Contact: Ted Bowyer, PNNL, National Security Directorate (ted.bowyercond.gov)



Concept

- Under the same atmospheric conditions, sources closer to the monitoring station typically experience less overall mixing (yellow versus green plumes)
- Depending on atmospheric conditions and distance, ground level emissions may not mix vertically (yellow plume)



