



IH in Semiconductor Fabs

An Equipment Supplier's Approach
Steven Roberge
Director, EHS
Axcelis Technologies, Inc.



Axcelis' Experience

- **Limited IH Monitoring conducted at Customer Sites**
- **Historical IH data (particularly implant) indicates limited exposure to materials of concern (Arsenic, Arsine, Phosphine)**
- **Confirmatory evaluations usually done at Customer request**

- **Special cases require monitoring at customer sites**
 - **Newly identified hazards**
 - **New Materials**
- **R&D, Final Test and Demo use not necessarily representative of production use**



IH Monitoring at Customer Sites

- **Typically, Axcelis will contract with Local IH firm**
 - **Recommendation from Customer, if possible**
- **Coordination / Permission from Customer**
 - **Scheduling**
- **Sharing of Data (no personal information)**