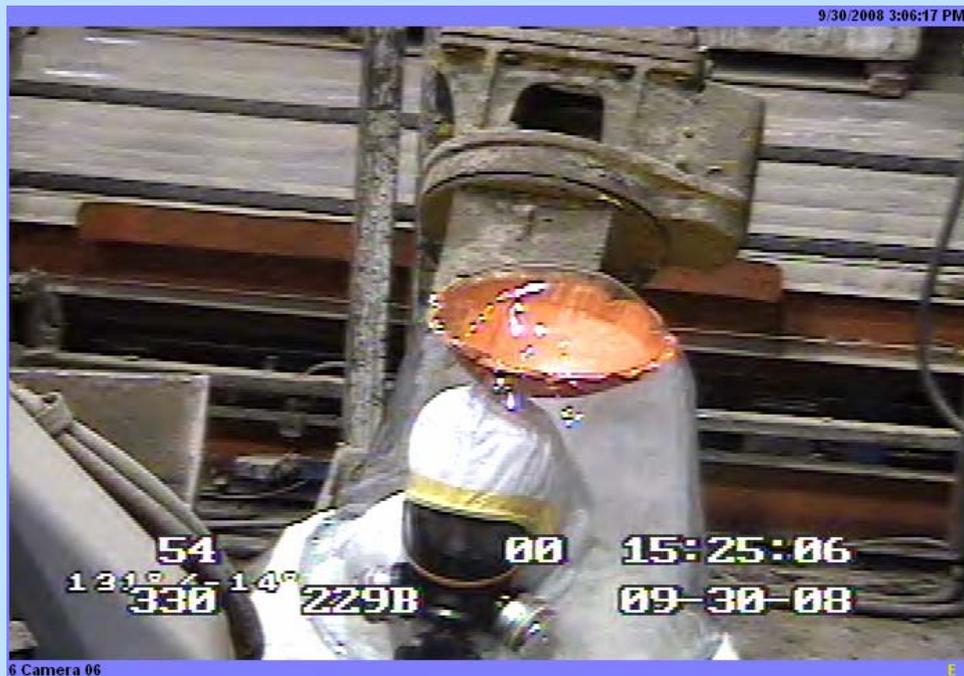




Managing Heat Stress in Hazardous Environments





Biography

Roger Raymond

- Current Position – (9 years) Industrial Safety Industrial Hygiene Manager Treatment Facility – Advanced Mixed Waste Treatment Project – Idaho National Laboratory – Bechtel BWXT Idaho, LLC
- Board Certified Safety Professional
- Worked in the nuclear and industrial safety field since 1983
- 16 years with DOE contractors
- 6 years in education (ES&H Division Manager Eastern Idaho Technical College)
- 5 years private industry

What are the conditions?

- Process cells with hazardous conditions (radiation/contamination, chemicals, Be, tripping hazards, sharps, thermal temperatures)
- High level PPE (supplied breathing air with level B suit)



What are We Managing?

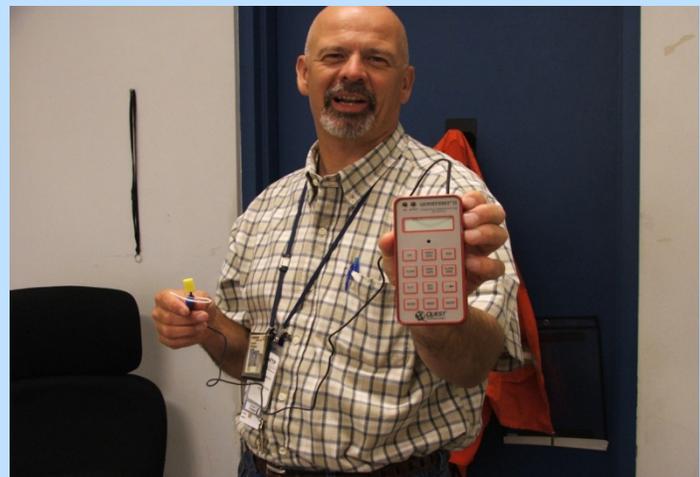
- TLV for weight loss
- Core temperature





How do we accomplish our goals?

- Fitness for duty screening
- Pre entry briefings
- Pre and post physiological monitoring (individual profiles built in OHM)
- Heat stress monitors (Quest-temp II)
- Stay times with work rest determinations





Are We Successful?

- Over 300 entries per year over the last 5 years with no heat stress incidents.