



Tips to Manage the Environmental & Behavioral Factors That Cause Slips, Trips & Falls

Ned Rousmaniere
Planning Director, Employee Assistance Program



Christopher A. Guevin, P.E.
Director, Plant Management Division

Barry Waters
Lead Grounds Keeper, Plant Management Division

State Capitol Mall





Environmental Hazards



- Snow & Ice
- Uneven Pavement
- Poor Lighting
- Steep Grades
- Stairs
- Wet Floors



State Capitol Mall





Environmental Hazards Snow & Ice



- Have A Plan and Assign Responsibilities in Advance
- Pre-Treat
- Start Snow and Ice Control Operations Early
- Use the Right Chemicals for the Conditions
- Use the Proper Equipment (Broom, Plow, Chemical Spreader etc.)
- Use the Proper Spread Rate
- Know Your Melt & Refreeze Areas
- Monitor
- Maintain
- Provide Self-Help Chemicals at Strategic Locations



Environmental Hazards

Uneven Pavement



- Inspect Pavement Yearly
- Mill Down Uneven Joints
- Replace Heaved & Differentially Settled Slabs
- Fill Cracks and Large Joints
- Install Curb Cuts
- Maintain Texture for Grades



Environmental Hazards

Poor Lighting



- Check Exterior Lighting Quarterly
- Keep Diffusers Clean
- Replace Burned Out Fixtures ASAP
- Ensure Proper Light Levels (10 Lux Horizontal, 8 Lux Vertical)



Environmental Hazards Steep Grades



- Ensure Good Pavement Texture
- Consider Handrails
- Consider Rerouting Traffic During Hazardous Weather Conditions
- Make Slopes a Priority In Winter



Environmental Hazards Stairs



- Ensure Good Tread Texture
- Make Sure Handrails Meet Codes
- Make Sure They are Well Lit
- Consider Rerouting Traffic During Hazardous Weather Conditions
- Make Steps a Priority In Winter



Environmental Hazards

Wet Floors



- Place Wet floor Signs
- Use Walk-off Mats
- Use Fans to Facilitate Drying
- Reroute Traffic
 - Ensure All Paths to Enter the Wet Area are Closed
- Monitor



Communications For Environmental Hazards



- Have a Communications Plan to Get the Word Out to Staff
- Have a Way for People to Notify You of Problems
 - Call Center
 - Email Collection Center



Behavioral Hazards

- Improper Footwear
- Distracted Walking
- Unrealistic Expectations of Pedestrians



Questions