Worksite Mapping

Purpose: To identify, describe and analyze problems on the job.

Objectives:
- Identify health and safety hazards
- Identify work organization and problems

Materials:
- Large paper
- Markers
- Scissors or tape

Activity

1. Break into groups of workers from the same worksite or same department and give them materials to draw their site.

2. Have each group draw a floor plan of where they work, putting in machinery, storage, and indicating the flow of work.
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3. Using a green marker, indicate physical hazards, such as:
   - Holes in ceiling or floor
   - Poor lighting
   - Spills and puddles
   - Too hot or too cold
   - Too noisy
   - Unsanitary facilities
   - Lack of drinking water
   - Other

4. Using a red marker, indicate where there is exposure to toxic substances:
   - Fume or smoke
   - Vapor or gas
   - Mist
   - Chemical odor
   - Contact with liquid
   - Dust or fibers
   - Other

5. Using a blue marker, indicate where there are hazards due to repetitive motion:
   - Assembly line
   - Repetitive lifting
   - Using a lot of force with arms or hands
   - Working in awkward postures
   - Hard to hold tools
   - Vibration
   - Incorrect handling of heavy objects
   - Excessive workload
   - Other
6. Using a purple marker, indicate safety hazards:

- Unguarded machinery
- Electrical hazards
- Blocked aisles
- Tripping hazards
- Falling objects
- Slippery floors
- No lockout or blockout procedure
- Other

7. Using an orange marker, indicate where workers are under stress:

- Rapid pace
- Understaffed
- Poor supervision
- Fear of reprisal
- Isolation
- Boredom or monotony
- Other

8. Have each group put dots on the map representing the workers:

- Red for leaders
- Blue for workers who have suffered injuries

9. Have each group present their map to the whole class. After they have explained their map, ask them:

- What are the primary health and safety concerns?
- Where are people mostly injured or in pain?
- Where have there been changes in production?
- What are the concerns that affect the most people in the worksite?
- Where are hazards or problems that could easily be corrected?