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8 Facilities and Workstation Design8.1 Introduction; 8.2 Tools; 8.3 References; 8.4 Additional References; 9 Human/Computer Interface; 9.1 Introduction; 9.2 Human Interactions with Control System Software; 9.3 Tools; 9.4 References; 9.5 Additional References; 10 Safe Havens; 10.1 Introduction; 10.2 Human Factors Issues; 10.3 Tools; 10.4 References; 11 Labeling; 11.1 Introduction; 11.2 Tools; 11.3 References; People; 12 Training; 12.1 Introduction; 12.2 Guidelines for Training Programs; 12.3 Guidelines for Designing and Delivering Training; 12 4 Tools; 12.5 References; 13 Communications 13.1 Introduction13.2 Issues/Examples; 13.3 Tools; 13.4 References; 14 Documentation Design and Use; 14.1 Introduction; 14.2 Converting to Electronic Documentation; 14.3 Use of Documents; 14.4 Tools; 14.5 References; 14.6 Additional References; 15 Environmental Factors; 15.1 Introduction; 15.2 Noise; 15.3 Vibration; 15.4 Temperature and Relative Humidity; 15.5 Air Quality; 15.6 Lighting; 15.7 References; 16 Workloads and Staffing Levels; 16.1 Introduction; 16.2 Issues/Examples; 16.3 Tools; 16.4 References; 17 Shiftwork Issues; 17.1 Introduction; 17.2 Tools; 17.3 References  
17.4 Additional References18 Manual Materials Handling; 18.1 Introduction; 18.2 Manual Materials Handling Guidelines; 18.3 References; 18.3 Additional References; Management Systems; 19 Safety Culture; 19.1 Introduction; 19.2 What is Safety Culture?; 19.3 Tools; 19.4 Safety Culture: A Process Industry Case Study; 19.5 Benefits; 19.6 References; 19.7 Additional References; 20 Behavior Based Safety; 20.1 Introduction; 20.2 Tools; 20.3 Expected Results; 20.4 References; 20.5 Additional References; 21 Project Planning, Design, and Execution; 21.1 Introduction  
21.2 Human Factors Tools for Project Management

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## Sommario/riassunto

Human Factors Methods for Improving Performance in the Process Industries provides guidance for managers and plant engineering staff on specific, practical techniques and tools for addressing forty different human factors issues impacting process safety. Human factors incidents can result in injury and death, damage to the environment, fines, and business losses due to ruined batches, off-spec products, unplanned shutdowns, and other adverse effects. Prevention of these incidents increases productivity and profits. Complete with examples, case histories, techniques, and implementation

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