

Case Study 1

Manual Handling: Fire Water Pump Station Valves

Issue: Difficulty opening valves at Fire Water Pump Station

Task Analysis

The management and staff were consulted and their main issues noted.

Issues and observations included:

- Valves opened weekly
- Well lit environment
- Good valve maintenance programme
- Location of valves requires operator to adopt awkward postures and climb on other equipment to reach



Model Recommendations

The proposed solutions included:

1. Increase length of valve stem to reduce need to stretch
2. Re-orientate valve to avoid reaching across other equipment, e.g. rotate 90 degrees.