# Slow Extraction Workshop Survey

## Data shown here is the DESIGN PARAMETERS!

1. Institution: FNAL
2. Machine: Delivery Ring
3. Beta-function at the septum 10 m
4. Beam: protons
5. Energy: 8 GeV
6. Max Current in the machine 0.1 A or 1e12p
7. Beam emittances, normalized 16 /16 
8. Momentum spread, rms 0.15%
9. Incoherent tune shift 0.007
10. Beam bunched Yes
11. Resonance 3rd integer
12. Chromaticity correction Yes
13. Feedback system RFKO
14. Other control systems Squeeze quads, alternatively- air core quads
15. Extracted beam Intensity: 6e12p/sec or 8kW
16. Efficiency: < 98%
17. Local beam loss < 1%
18. Distributed losses < 1%
19. Spill length 43 msec
20. Micro spill quality no structure
21. Spill variations +-50% max/min
22. Additional notes: