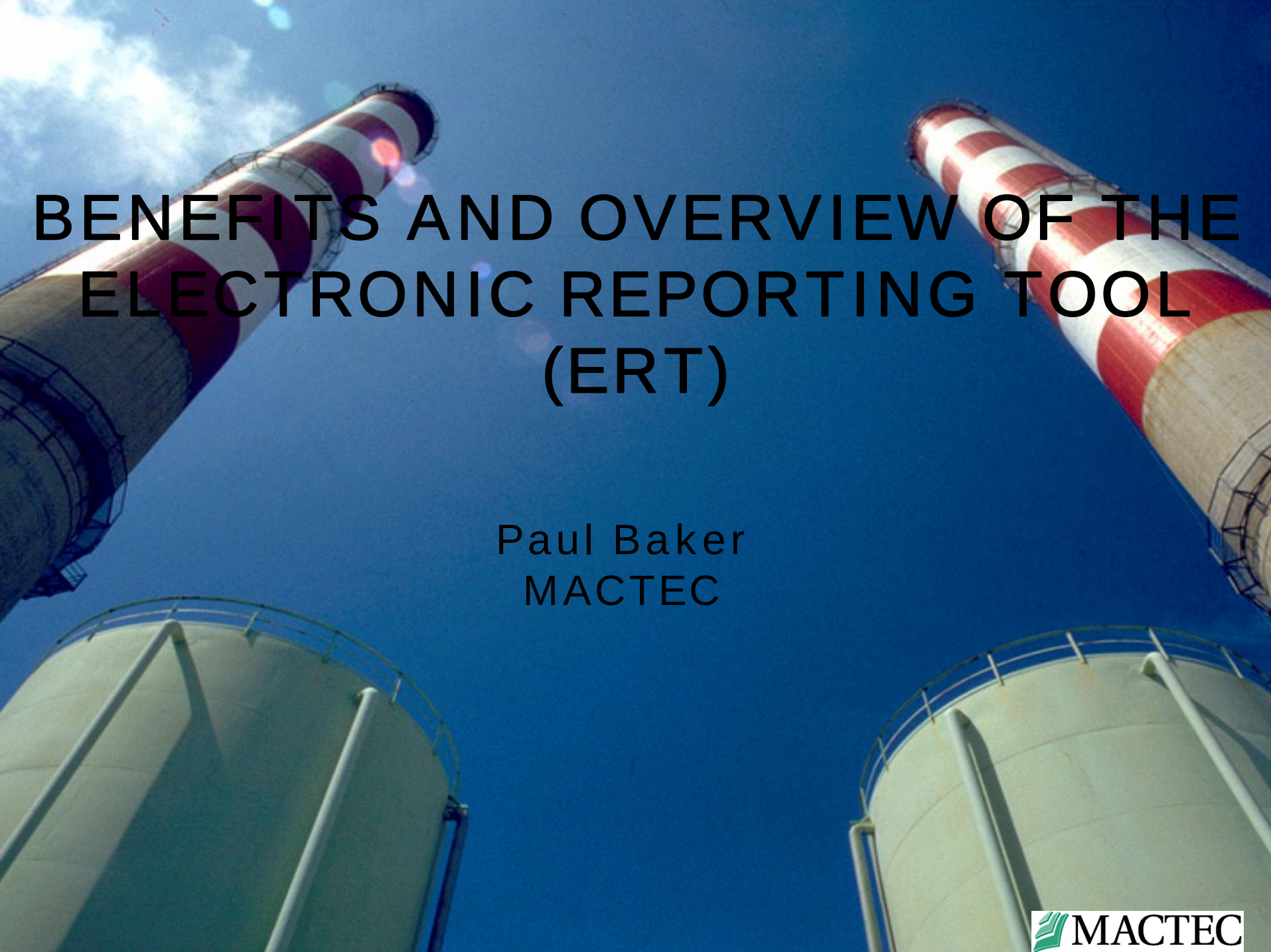


BENEFITS AND OVERVIEW OF THE ELECTRONIC REPORTING TOOL (ERT)

Paul Baker
MACTEC

Overview

- Introduction
- Emissions Reporting Tool Overview
- Conclusions

Introduction

- Test Plan
- Test Report
- Emission Factor Development
- Why ERT

What is ERT

- **Microsoft Access Application**
- **Methods**
  - **Methods 1 through 4, 3A, 5, 6C, 7E, 10, 17, 25A, 26A, 29, 101, 101A, 201A, 202, CTM-039 & CTM-040**
- **Pollutants**
  - **Filterable PM, Condensable PM, PM10, PM2.5, CO, Chlorine, Chloride, HCl, Total Chloride, NOx, SO2, Metals (Sb, As, B, Be, Cd, Cr, Co, Cu, Pb, Mn, Hg, Ni, P, Se, Ag, Th and Zn), TOC (as C, CH4, C2H6, C3H8)**
- **Electronic Test Report**

ERT Provides

- **Key information**
- **Coordination**
- **Data quality**
- **Standards**

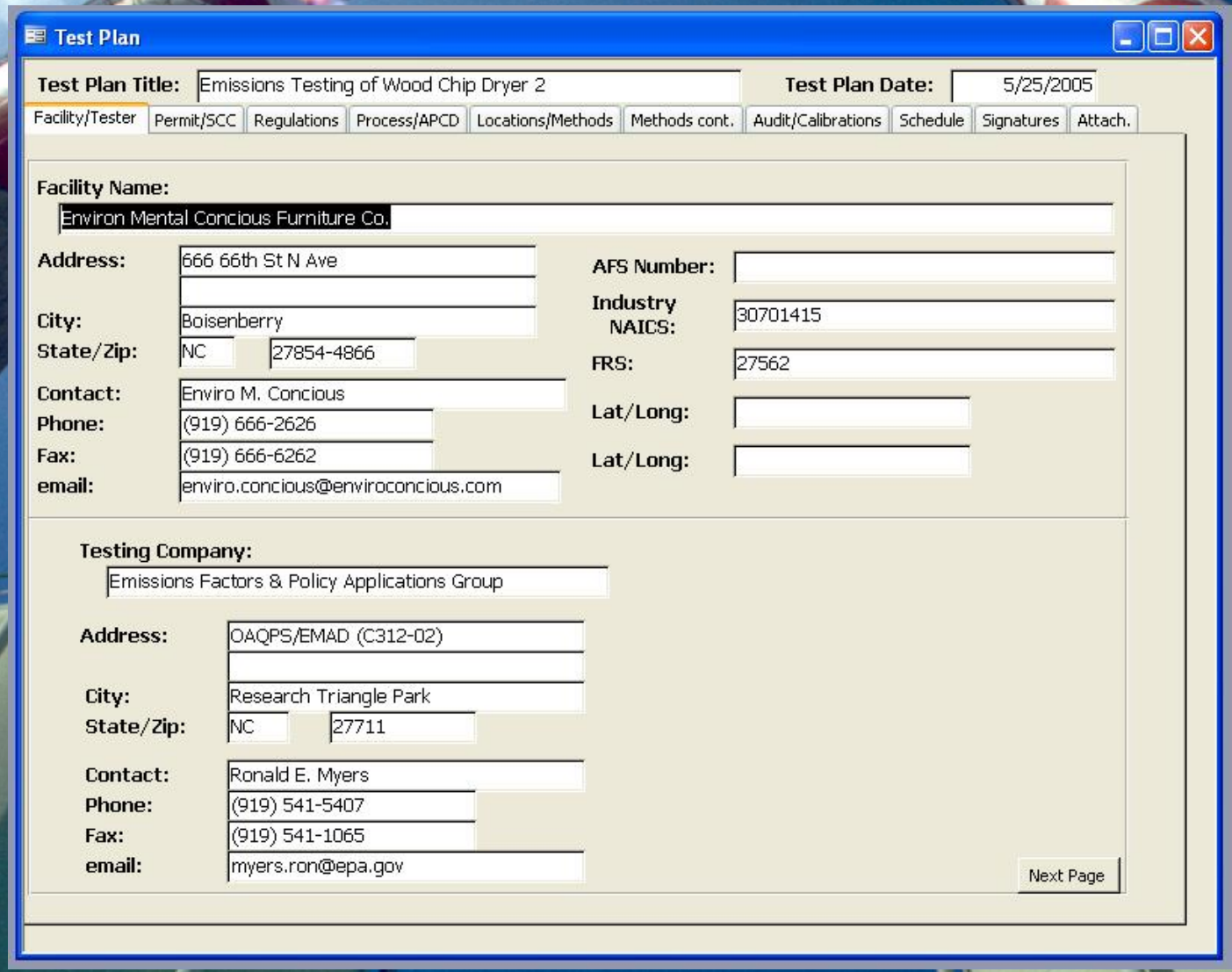
ERT Reduces

- **Workload**
- **Required resources**
- **Redundancy**

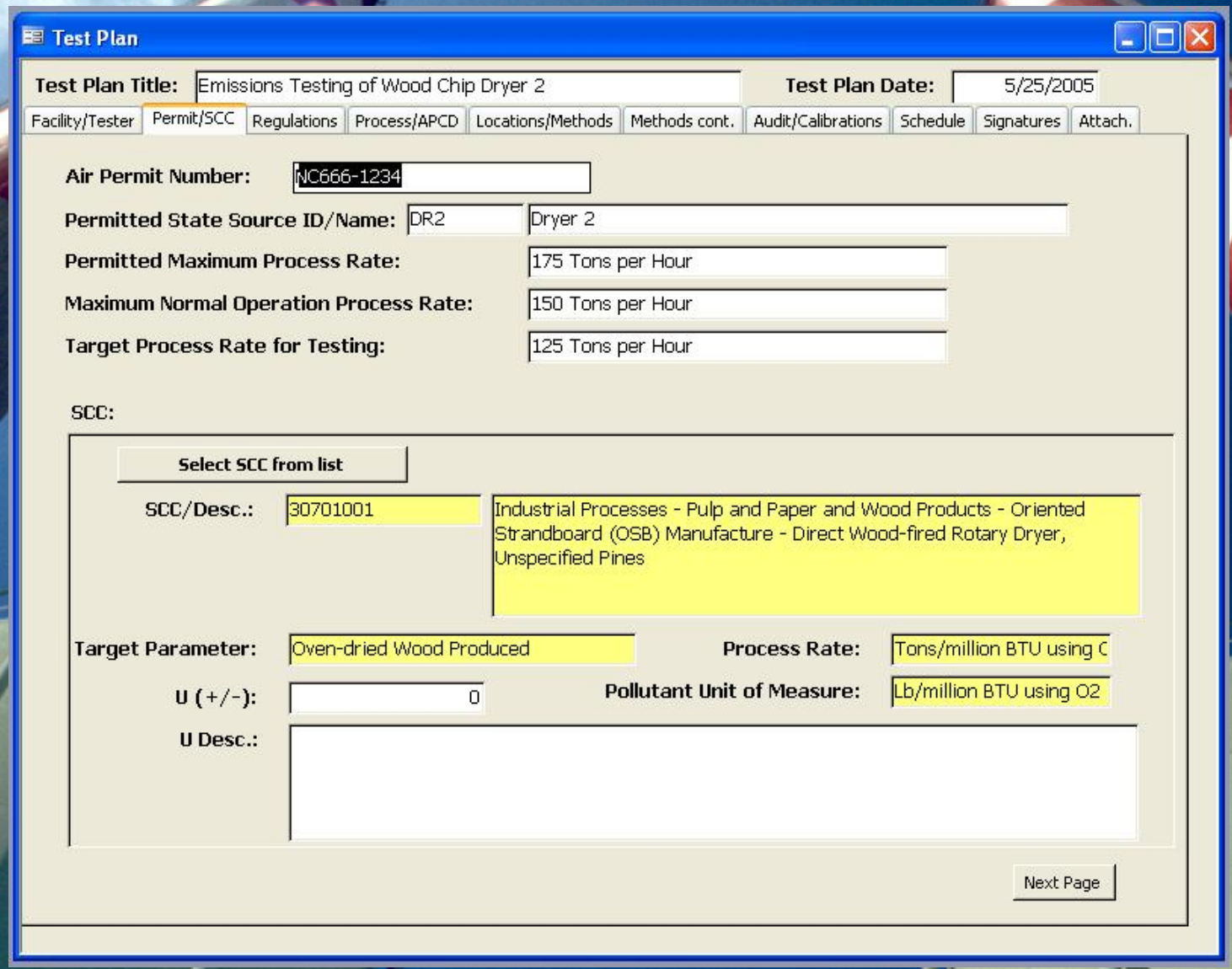
How ERT is used by the Source

- Test plan
- Test report

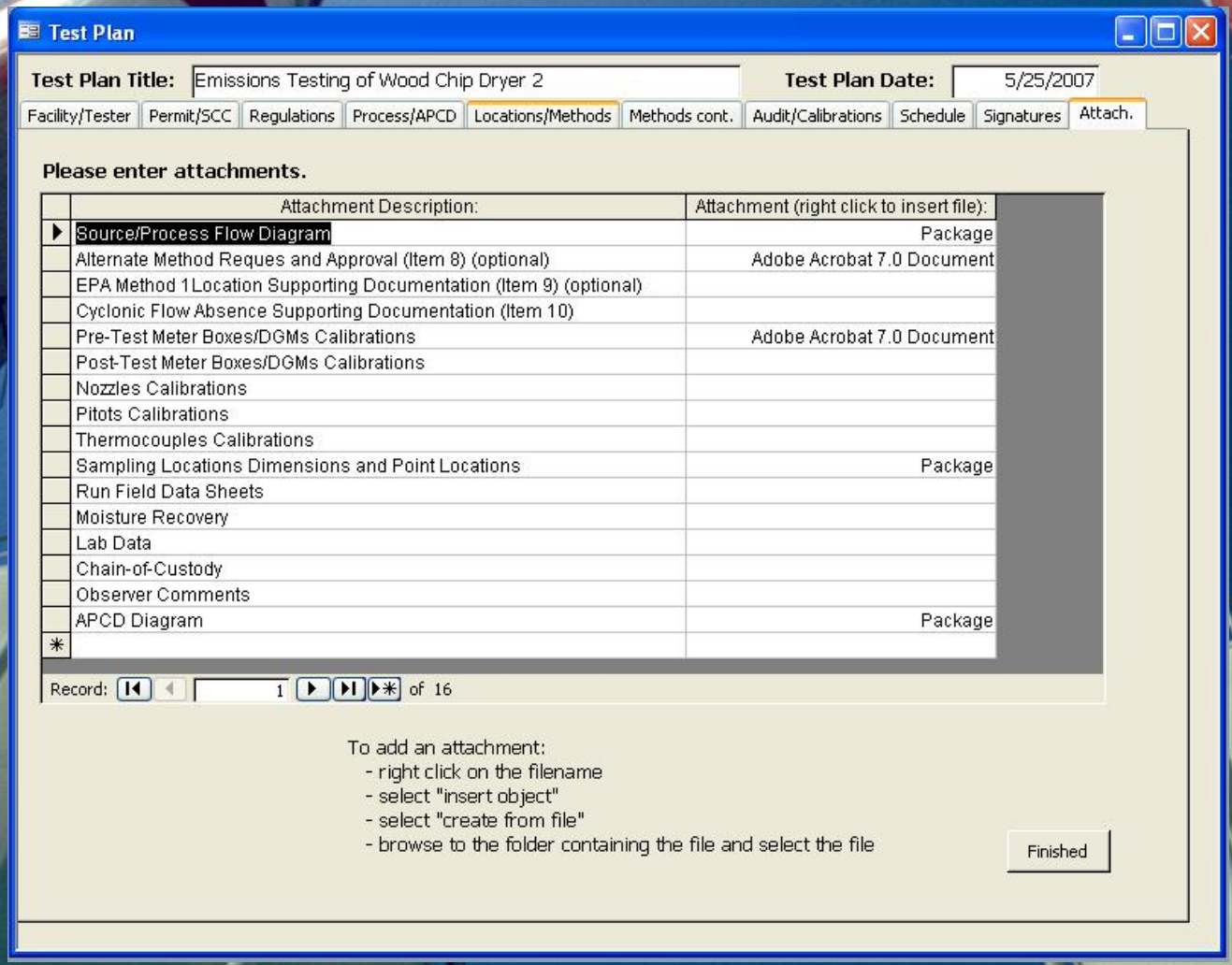
Test Plan – Facility/Tester Screen



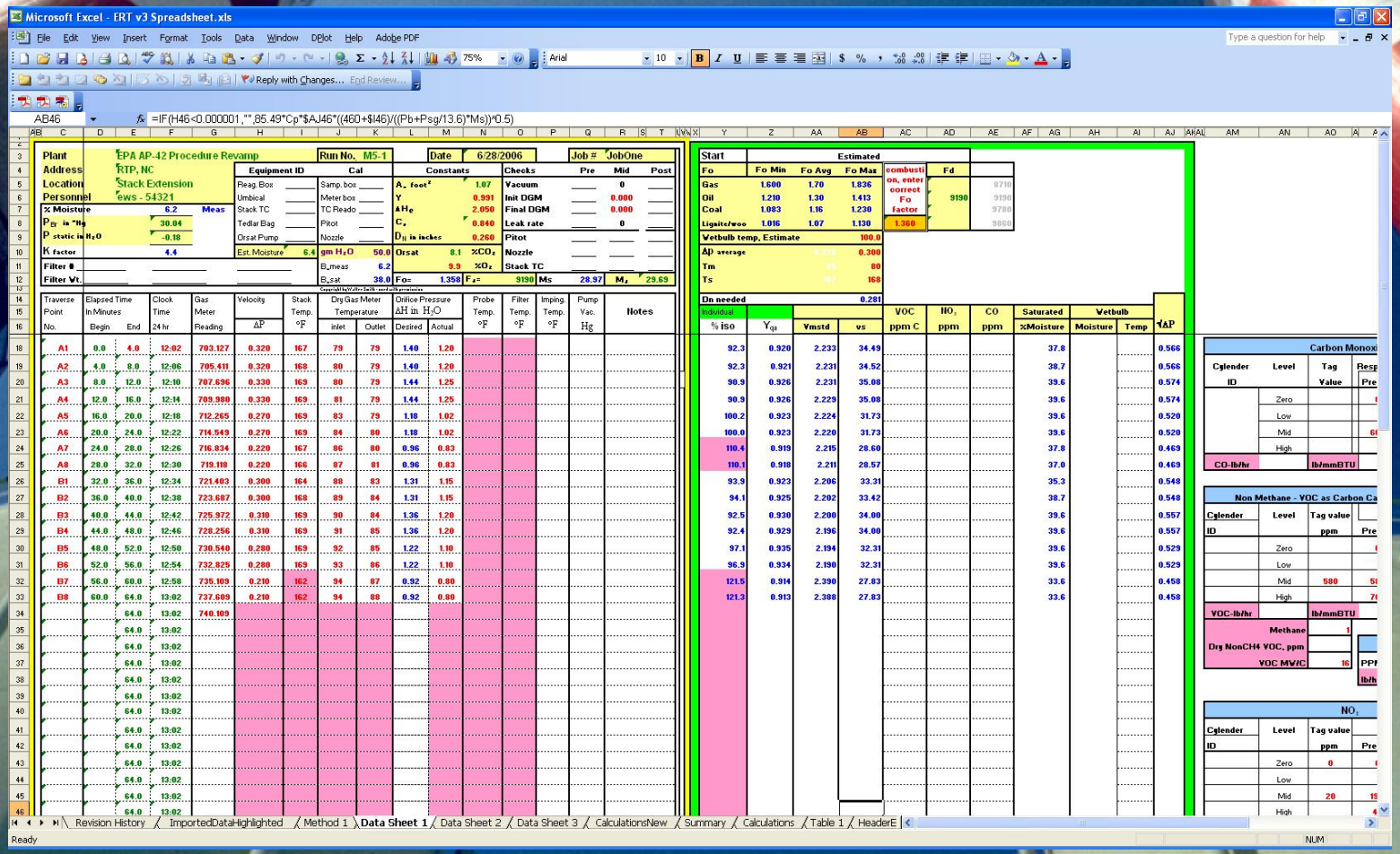
Test Plan – Permit/SCC Screen



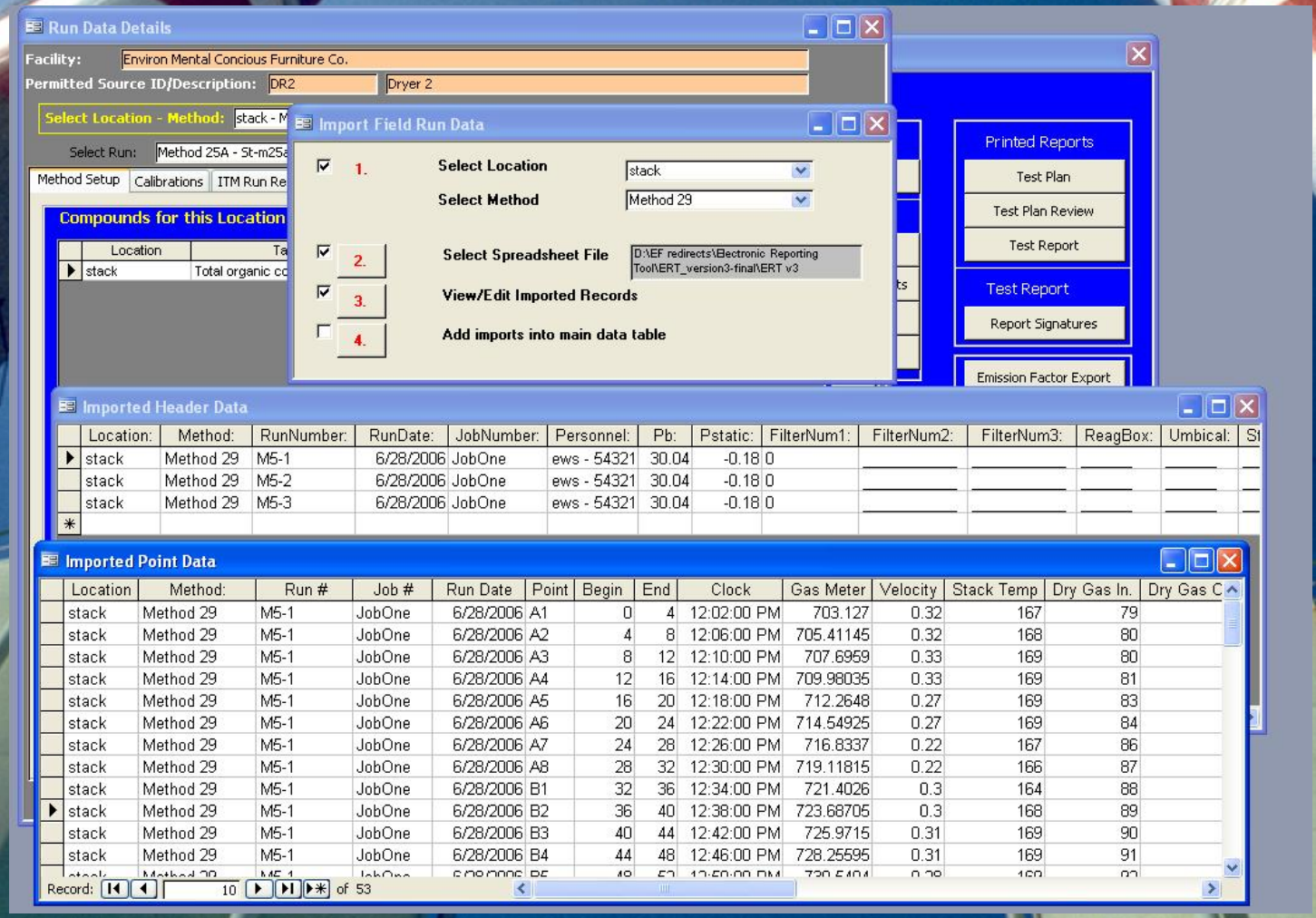
Test Plan – Attachments Screen



Test Report – Field Data Spreadsheet

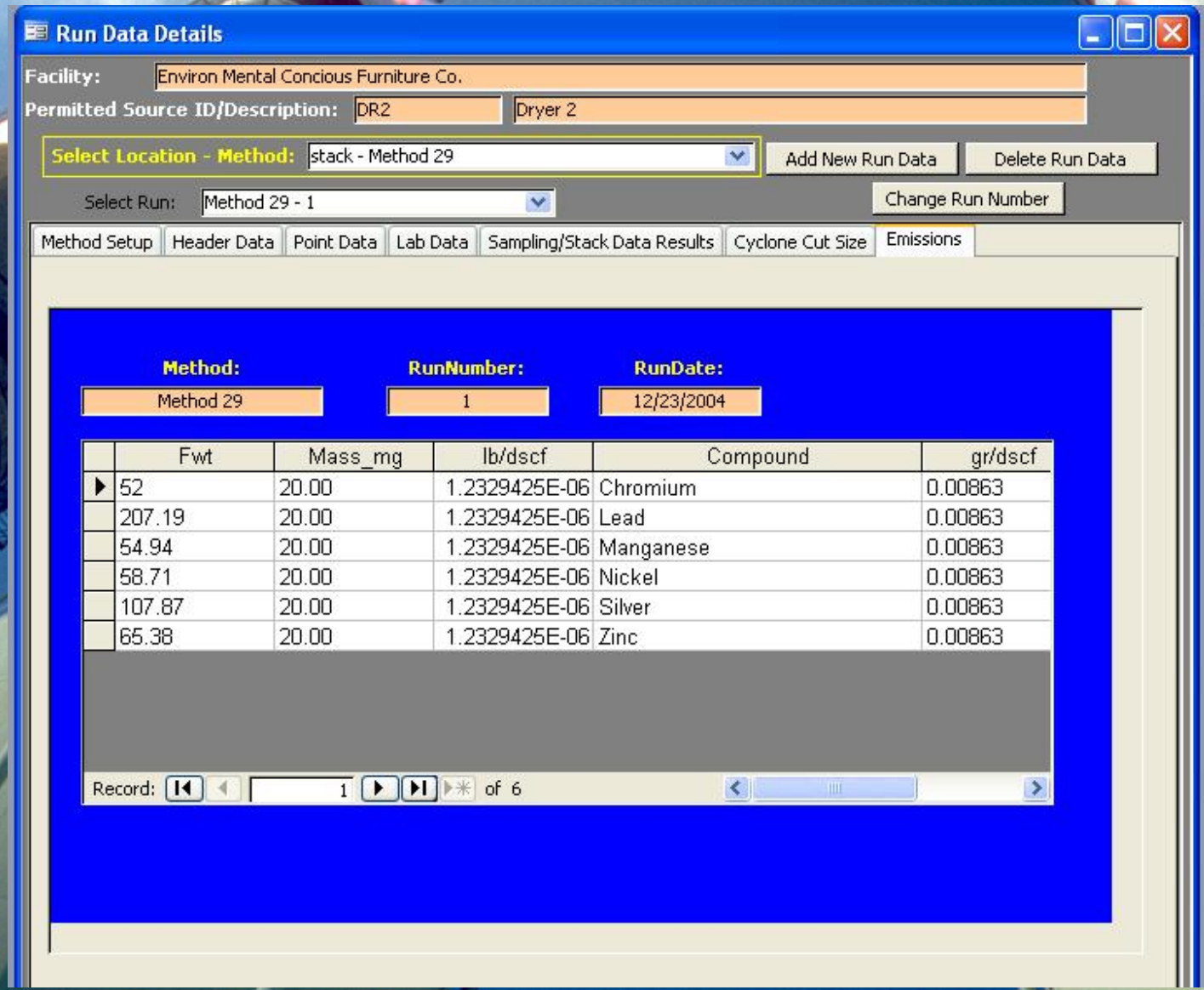


Test Report – Import Screen



Test Report – Results Screen

Test Report – Emissions Screen

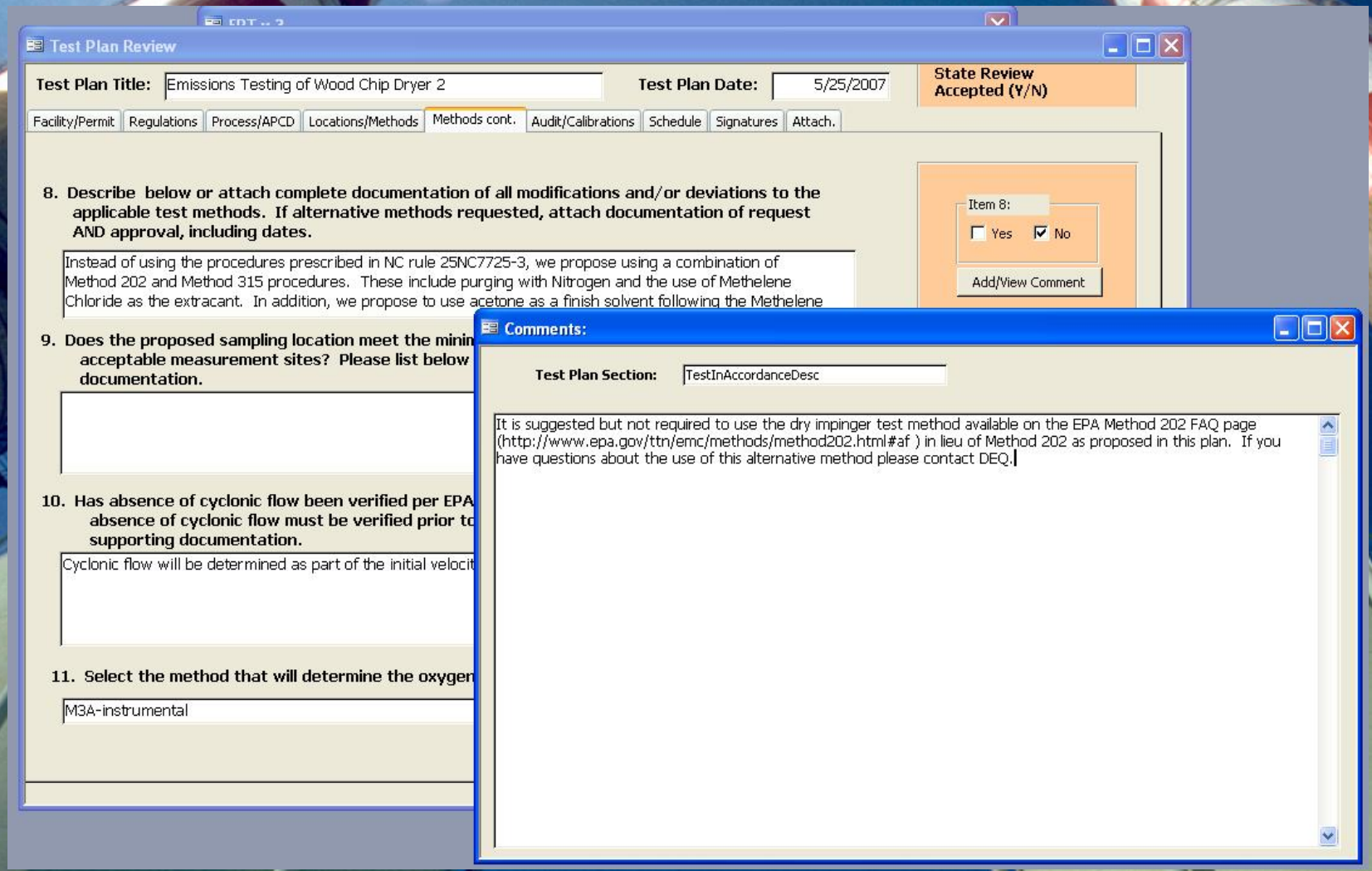


Fwt	Mass_mg	lb/dscf	Compound	gr/dscf
52	20.00	1.2329425E-06	Chromium	0.00863
207.19	20.00	1.2329425E-06	Lead	0.00863
54.94	20.00	1.2329425E-06	Manganese	0.00863
58.71	20.00	1.2329425E-06	Nickel	0.00863
107.87	20.00	1.2329425E-06	Silver	0.00863
65.38	20.00	1.2329425E-06	Zinc	0.00863

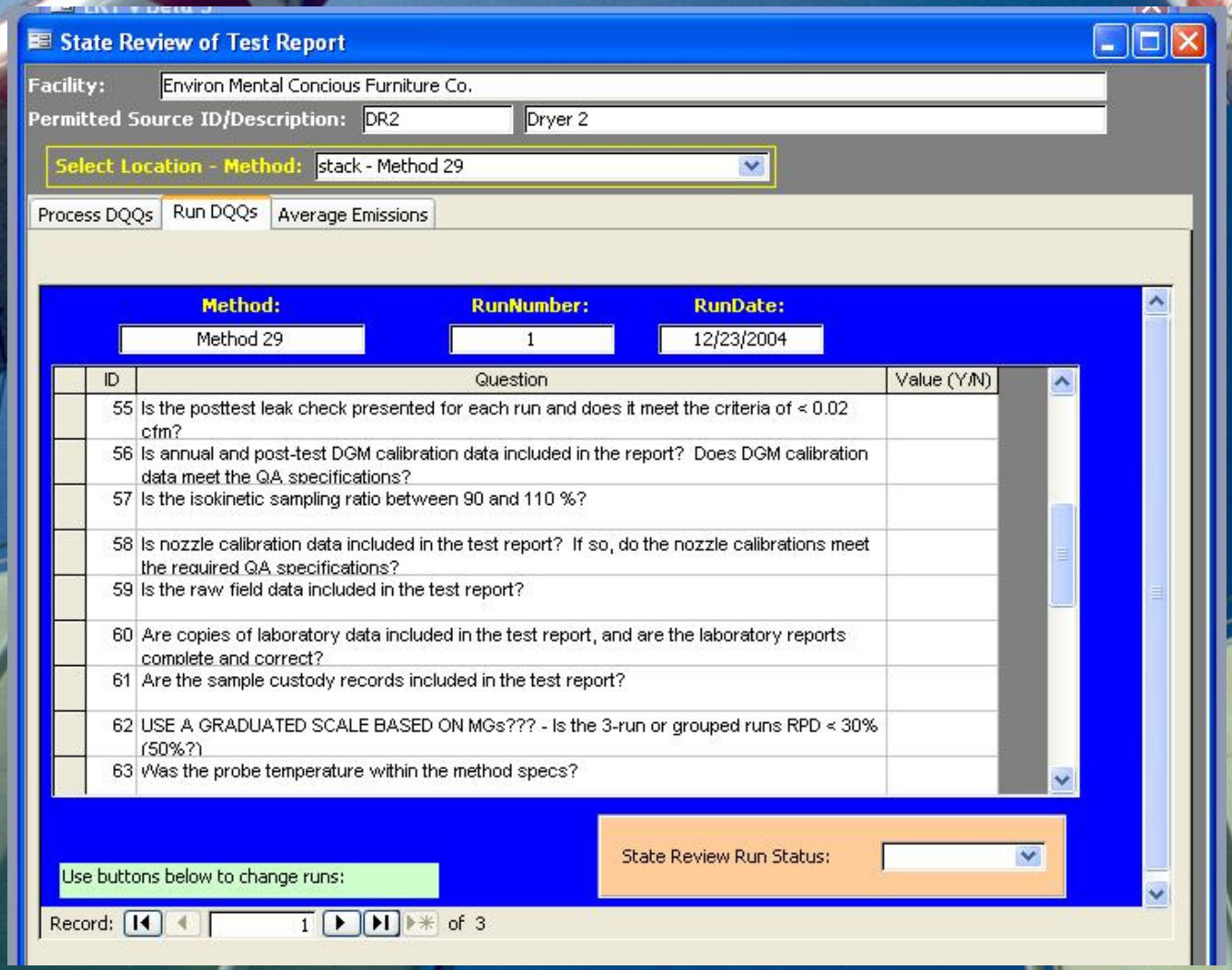
How ERT is used by EPA

- Test plan review
- Test report
- Data quality evaluation

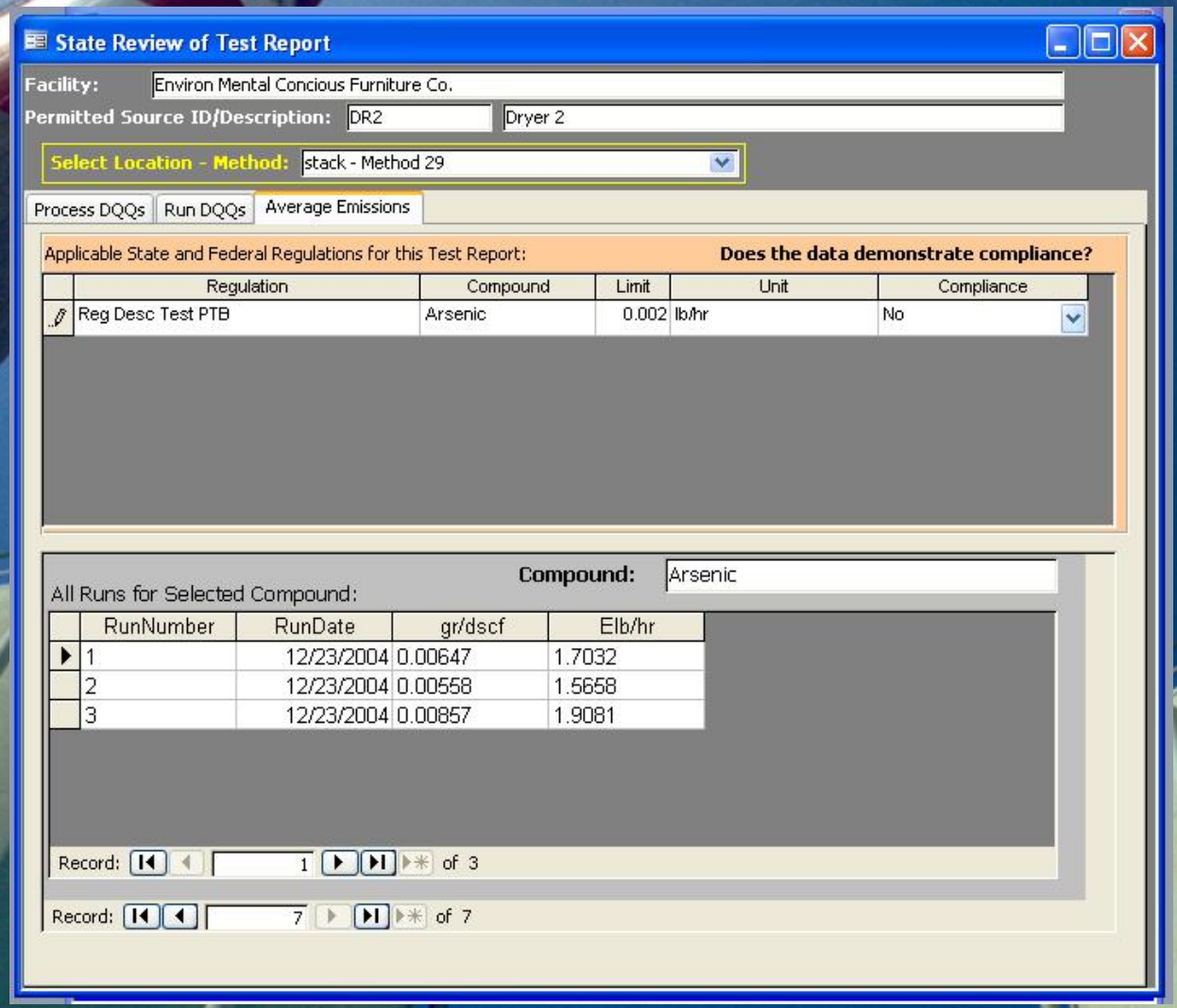
ERT Test Plan Review



ERT Data Quality Questions



ERT Test Report Review



Source Benefits

- **Streamlined test plans**
- **Standard Report**

States Benefits

- Standard report
- Q/A
- Improved emission factors

ERT Data Applications

- **WebFire**
- **Non-emission factor data flow**
- **Legacy systems**
- **AIRS/AFS**
- **Emission inventory**
- **Emission standards data**
- **State limits (non-Federal, SIP)**
- **Federal NSPS, MACT, NSR/PSD**

Planned Improvements

- **ANPR electronic submission requirements**
- **Data definition standards**
- **CDX**
- **CROMERR**
- **Expanded test methods**

Conclusions

- Paper replacement
- Critical data
- Communication
- Standards
- Efficient
- Improved emission factors