



Greater Cleveland Regional Transit Authority



Environmental & Sustainability Management System (ESMS)

Update on Training and Implementation

Planning & Development Committee

April 1, 2014

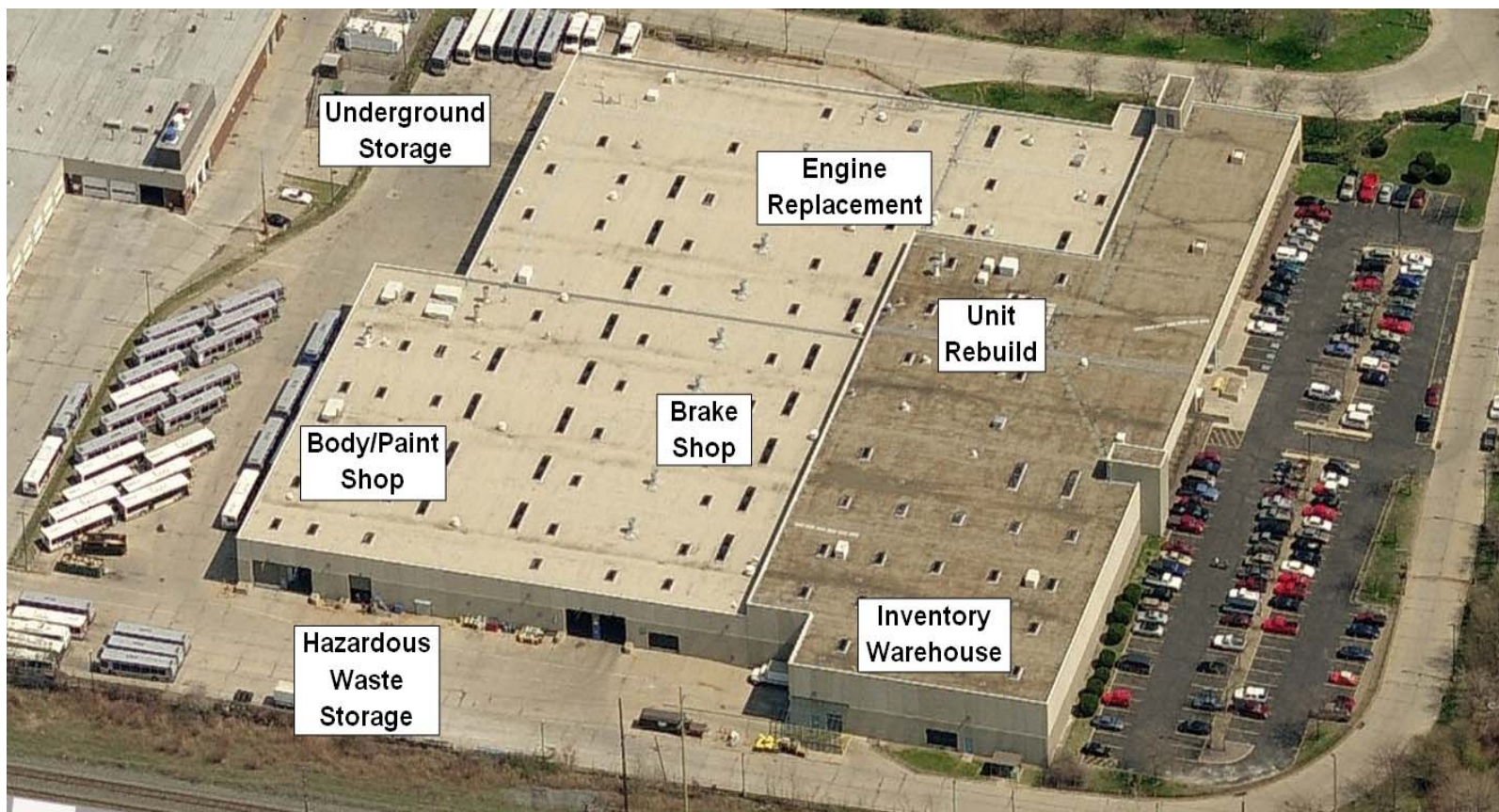


Background

- **FTA-sponsored program**
- **GCRTA one of 10 agencies selected to participate this round of training**
- **Program includes site visits, 4 workshops and lots of homework**
- **Central Bus Maintenance Facility is the pilot facility**
- **Seeking ISO 14001 Certification for Central Bus Maintenance Facility (CBMF)**
- **Intend to roll-out ESMS Authority-wide**



CBMF Facility Aerial





ESMS CORE Team

- **Mike Schipper, Eng & Proj Mgmt**
- **Maryann Merce, Eng & Proj Mgmt**
- **Ron Baron, CBMF**
- **Kevin Stanley, CBMF**
- **Kari Solomon, OMB**
- **Steve Peganoff, Safety**



Five Significant Aspects

- **Lead Acid Bus Batteries**
- **Scrap Metal**
- **Used Rags**
- **Waste Cardboard**
- **Waste Paper**



Objectives, Targets, & Programs

- **Lead Acid (Bus) Batteries**
 - **Improve existing maintenance procedures**
 - **Purchase Absorbed Glass Mat (AGM) technology batteries for 50% of buses**
 - **Achieve 100% increase in battery life on the AGM equipped buses**
 - **Achieve additional 5% life on Lead Acid buses**
 - **Track useful life and replacement data**
 - **Complete by December 31, 2015**



Objectives, Targets, & Programs

- **Waste Cardboard, Waste Paper & Scrap Metal**
 - Enhance and manage recycling programs
 - Reduce landfill waste by 20%
 - Weekly spot-checks of containers
 - SOP training and communications
 - Tracking waste collection vs baseline data
 - Complete by December 31, 2015



Objectives, Targets, & Programs

- **Used Rags**
 - Proper and appropriate use of rags
 - Reduce cloth rag use by 10%
 - Weekly spot-checks of containers
 - SOP training and communications
 - Tracking waste collection vs baseline data
 - Complete by December 31, 2014



Workshop #3 Homework

- **Contractor Management (CM)**
 - **Develop Procedure to ensure contractors comply with GCRTA's environmental policy**
 - **Develop SOP's to ensure operational control of contractors**
 - **Develop CM Plan**
 - **Establish a prioritized list of contractors/vendors at CBMF**



Workshop #3 Homework

- **Communications**
 - **Media Relation and Marketing will be engaged shortly**
 - **Develop Procedure that addresses Internal Communication, External Communications, Significant Aspects, Promotion of the ESMS, and Emergency Communications**
 - **Implementation of Communication Strategy**



Workshop #3 Homework

- **Management Review**
 - **Develop Procedure and Agenda in accordance with ISO 14001**
 - **Quarterly for first two years during implementation then annually**
 - **Focus on the Environmental Policy and the Objectives, Targets and Programs for the significant aspects**
 - **Commitment to Continuous Improvement**



Workshop #3 Homework

- **Competence, Training, and Awareness**
 - **Conduct a training needs analysis for RTA employees and contractors**
 - **Create a training matrix**
 - **Develop a training procedure**
 - **Establish environmental training records**



Workshop #3 Homework

- **Monitoring and Measurement**
 - Identify appropriate monitoring and measuring criteria
 - Track, record and report on the progress of meeting Objectives, Targets, and Programs
 - Determine calibration requirements for related equipment
 - Develop Procedure for monitoring and measurement.



Workshop #3 Homework

- **Case Study**
 - **Agency Profile**
 - **Facility**
 - **Significant Aspects**
 - **Objectives, Targets, and Programs**
 - **Hours Spent**
 - **Results**



Future Activities

- **Workshop #3 Homework – May 27, 2014**
- **Workshop #4 – June 9-12, 2014**
- **Workshop #4 Homework – July 21, 2014**
- **Trainer Gap Audit Site Visit – Oct 20, 2014**
- **Trainer Final Audit – February 23, 2015**
- **ISO 14001 Certification Activities – Late 2014 thru mid 2015**