

WPS TURI 2019 Final Report

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Project Overview and Activities

- Overview of Project Goals, Format and Activities
- Request for Capstone Student - Project Summary
- Auto Repair Case Study
- Building Maintenance Case Study
- WPS TURI Product Research 2018-2019
- Photos of products selected and piloted in Transportation Department

Procurement - Tools

- 3rd Party Certifications and Product Categories for Products used in Operations and Maintenance of School Buildings, Vehicles, Grounds Equipment and Kitchens (designed as a handout for the MAV A conference)
- Product Evaluation by TURI using their Pollution Prevention Options Analysis System (P2OASys)
- Research on Resources for Selecting EPP Products for WPS Transportation and Facilities Departments
- Green Seal 53 Certification -
CCL_GS53_Specialty_Cleaning_Products_for_Industrial_and_Institutional_2.20.19
- Understanding Biobased Content

Procurement – COMMBUYS Statewide Contracts

- OSD EPP Program Tools for MRO Contracts
 - OSD Contract User Guides – provides information on contract terms, product criteria, certifications, vendors, service areas, contract managers, etc.
 - User Guide FAC100
 - User Guide FAC101
 - User Guide FAC105
 - EPP Products and Services Guide 6 6 19
- Fact Sheets on How to select EPPs from MRO Vendors
 - Fact Sheet - Grainger
 - Fact Sheet - Fastenal
 - Fact Sheet - MSC

Auto Repair Health Issues

- Nhexane in auto repair industry

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- Worker exposure to VOCs in auto repair

Auto Repair - Miscellaneous Regulatory Guidance (see also chapter on Waste Management and Recycling)

- MassCar Auto Repair Training (please note that this checklist also contains guidance on Autobody Repair operations)
- MassCar Checklist (please note that this checklist also contains guidance on Autobody Repair operations)
- Permits and Inspection Readiness
- SewerFax DEP Fact Sheet
- Understanding OSHA Requirements for Auto Shops
- Wastewater Regulations and Best Practices

Auto-Repair - TUR/P2 and Alternative Products and Processes (not piloted for this project)

- Spill Prevention
- Adhesive Lead - Free Wheel Weights
- Water Based Brake Cleaning
- Water Based Parts Cleaning

Auto Repair - Waste Management and Recycling

- Anti-Freeze Recycling
- Common Hazardous Wastes
- Hazardous Waste Management
- Refrigerant Recycling Systems
- Solvent Recycling Systems
- Vehicle Fluid Evacuation Caddies
- Oil Filter Crushers
- Waste Oil Management

EPP Information on Pilot Products for Vehicle and Grounds Maintenance

- Cocosorb
 - Biodegradability Report Cocosorb
 - CocoAbsorb™ California Department of Fish and Wildlife Packet 2019
 - CocoAbsorb™ EcoLogo UL Environment Packet 2019
 - CocoAbsorb™ NSF Packet 2019
 - CocoAbsorb™ OMRI Packet 2019

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- CocoAbsorb™ USDA Packet 2019
- Label Oil Dri (here to compare to cocosorb)
- Motor Oil
 - Re-Refined Motor Oil Overview from OSD EPP Program
 - Biodegradability Report Bar and Chain Oil
 - Engine Oil Emissions Reduction 09-17
 - 2 and 4 Cycle Oil Certification
- Lubricants Ecolabel Certificate Feb 2019

SDS – Grounds Equipment Maintenance

- SDS NV Earth Bar and Chain Oil
- SDS LMX Red Grease
- SDS Ultra Lube Penetrant
- SDS Gulf Green Ns 46 Hydraulic Fluid
- SDS Ultra Lube Multipurpose Lubricant and Penetrant
- SDS Amsoil Gasoline Stabilizer
- SDS Performance Plus Gear Oil

SDS - Vehicle Maintenance

- SDS Ultra Lube Lubricant and Penetrant
- SDS Full Synthetic Dexos
- SDS Amsoil Antifreeze
- SDS ATF Multi Vehicle
- SDS Amsoil gasoline stabilizer
- SDS Gunk vehicle wash cleaner VW5
- SDS Eco Touch Window Clear
- SDS Ultra Lube Multipurpose Lubricant and Penetrant
- SDS Cocosorb

Statehouse Documents – Presentation and Photos

Conferences

- WPS Conference Announcements for TURI Grant 2019
- MAVA PPT
- MFAA PPT