2014-2016



ENVIRONMENTAL GREEN SHOP AWARD PROGRAM



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Introduction

Recognizing the environmental impact of the automotive repair industry, ADOT Equipment Services Division created and developed the

Environmental Green Shop Award Program



Goals

- To promote "green" practices throughout ADOT's
 Equipment Services automotive repair shops in
 an effort to minimize their impact on the environment.
- To offer the equipment repair shops specific ways to adopt green business practices that will conserve Arizona's resources and reduce their carbon footprint.
- Make environmental stewardship an everyday practice at all 22 ADOT Equipment Repair Shops.

"Green Shop" Definition

A 'Green Shop" is an automotive repair business that has <u>evaluated</u> the impact of its operations on the environment, and then <u>adopted</u> specific practices intended to minimize waste generation, maximize recycling, conserve energy, and protect customers and employees at its facilities.



Benefits of Being a "Green Shop"

- ➤ It's the right thing to do...
- Most "Green" measures reduce repair and maintenance costs
- Provides a safer and healthier facility for customers and employees
- ➤ Gain and keep customers; many customers will go above and beyond to do business with an environmentally responsible company
- Protects ecosystems and groundwater supplies
- Prevent violations, fines and penalties
- > Be a good neighbor; helps with community relations



WIIFM?

WHAT'S

IN

T

FOR

ME

Green Shop is a win-win for the environment and ADOT's bottom line





WIIFM?

1. More Service Time

- 2. Known Expectations
- 3. Pride Not Fear

4. Cleaner Work Environment

Earning Green By Going Green

➤ Recycling Practices

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Scrap Metal @ 50,000 lbs./year x \$.06 = \$3,000 Battery Cores @ 2,170 units/year x \$7.00 = \$15,190 Used Oil @ 27,137 gallons x \$.12 = \$3,256 Used Antifreeze @ 2,461 gal/yr.-Removed free of charge \$0 Used Tires @ 8,166 tires/year- Removed free of charge \$0 Used Filters @ 9,285 units/yr. - Removed free of charge \$0
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Cost recovery from recycling

six (6) items above = \$21.446





Saving Green By Going Green

- > Aerosol brake cleaner vs. refillable spray bottles- \$1,100
- Efficient lighting and controls \$5,000
- On-demand hot water\$ 2,000
- HVAC total estimated savings\$ 9,600

Natural Gas Heating

Insulate and wrap all duct work

Properly set and seasonally adjusted controls

Tinted windows

Annual savings from four (4) green practices =

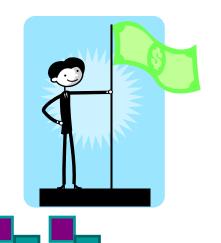


Environmental Green Shop Award Program



Equipment Services BMP Manual

Self-Audit Environmental Compliance Checklist



Environmental Green Shop Award Program





BMP MANUAL









Vehicle & Equipment Maintenance

January 2012

Environmental Fuel Systems Management Administration Services Division Arizona Department of Transportation





2014-2016

Equipment Shops



Self-Audit **Environmental Complian**

Shop Name:	Checklis
Street Address:	☐ Satellite Shop
City:	
Phone: () -	Zip Code: County:
Shop Supervisor: Safety Rep.:	
Type of Auton	MOM: preventive maintenance, services, repairs, and esponsible for over 4,500 pieces of equipments.
The information provided on this Check verified to the best of my knowled ge an Checklist Completed by:	esponsible for over 4,500 pieces of equipment. klist is true and accurate and has been physically designed accurate.
Checklist Completed by:	a personal experience.
(please initial, if completing online type i Auditor's Name	Date: / / / Made/ DD / YYYY
Arizona Department of Transport	Date of Audit:
	- 030114 Fuel, Scales, Environmental, & Training
	Training

What are BMP's?

BMP's are techniques or controls meant to reduce pollution and improve and enhance operational capabilities in an environmentally sensitive manner.



Where do BMP's come from?

...You.

Most BMP's are created by the people who work in the shops every day.



HOW THE GREEN SHOP PROGRAM WORKS...

1. Self Audit Checklists

2. Announced and Unannounced Visits and Inspections



Self-Audit Environmental Compliance Checklist

Equipment Services developed a Self-Audit Green Shop Checklist that shops can implement to become more environmentally responsible.



Self-Audit Environmental Compliance Checklist

The Checklist includes items such as:

- Pollution prevention measures
- Resource conservation measures
- Waste fluids management
- Energy and water conservation
- Waste water reduction
- Recycling practices
- Customers and worker protection at the shop



Self-Audit Environmental Compliance Checklist

- · The Checklist identifies steps to reduce pollution
- Each item on the Checklist has a point value
- Shops must implement enough BMPs to score a minimum of 100 points
- Compliance is ensured through on-site inspections.
- Checklist is completed annually
- 'Yes' or 'No' answers
- Personal Interviews
- On site inspections are required for re-certification



SELF-AUDIT ENVIRONMENTAL COMPLIANCE CHECKLIST

- Part I. Environmental Compliance
- Part II. Quest For A Green Shop
- Part III. Workplace Housekeeping
- Part IV. Action Plan
- Part V. Personal Effects of Going Green



Self-Audit Checklists Ensure

- Shops follow the BMPs
- Comply with Regulations
- Protect Health of Employees
- Quality of the Environment







Environmental Green Shop Award Program







Rewards the Shop and those employees that promote an environmentally friendly approach to vehicle repair



Environmental Green Shop Award Program







Promotes environmental stewardship throughout ADOT's Equipment Services Vehicle Repair Shops



Environmental Green Shop Award Program

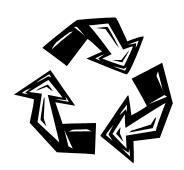






Makes environmental stewardship an everyday practice at ADOT









Environmental Green Shop Award Program







AWARD CRITERIA GUIDELINES

Environmental Green Shop Award Program





 Timely submittals of their Self-Audit Environmental Compliance Checklists



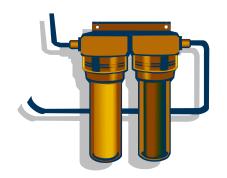
 Consistency of the Self-Audit Checklists with an unannounced on-site evaluation



Environmental Green Shop Award Program







 Use of their environmental equipment and new procedures or new systems developed

Aqueous (water-based) brake cleaning 'SmartWashers®', floor scrubbers, SpillPro® Machine, spill containment devices, overhead product delivery, and other pollution prevention BMPs



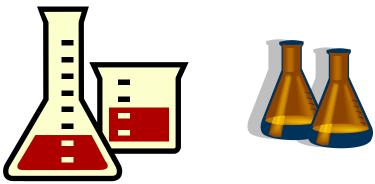
Environmental Green Shop Award Program

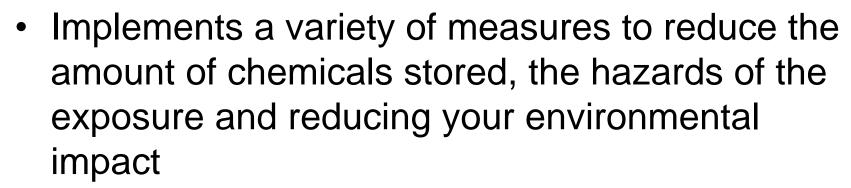


 Be in compliance with all environmental regulations – No fines or Notice of Violations issued by regulatory agencies

 Workplace Housekeeping, i.e. - overall shop cleanliness, office areas, floors clean and service bays tidy, trashcans covered, clutter

Environmental Green Shop Award Program





No reported spills or releases within the year



Environmental Green Shop Award Program



Contributes to advance environmental leadership in establishment, maintenance and improvement of environmental programs at your Shop and Mobile Service Locations



Environmental Green Shop Award Program



- Pledges to continue complying with pertinent regulations and implementing the measures chosen from the Checklist
- Demonstrates implementation of BMPs

Environmental Green Shop Award Program



- Initiative Reports an environmental concern and your professional approach and follow through
- Other group achievements related to shop environmental issues

Shop Summary and Recommendations Report



Summarizes audit
on the
Self-Audit Environmental
Compliance Checklist

ADOT

EQUIPMENT SERVICES

AVONDALE SHOP

SUMMARY AND RECOMMENDATIONS REPORT

2014-2016 SELF-AUDIT ENVIRONMENTAL COMPLIANCE CHECKLIST

March 23, 2015

The following Summary and Recommendations Report documents observations from an announced visit on October 28, 2014 at the Avondale Equipment Shop with Mike Mitchell, Equipment Shop Supervisor. As a result of that inspection and your 2014-2016 Self-Audit Environmental Compliance Checklist <u>received</u> on September 19, 2014, the following summarizes the findings and recommendations.

These recommendations and guidelines are only suggestions for best practice to ensure shop operations are efficient, comply with legal requirements and prevent pollution.

Part I. Environmental Compliance

USED OIL MANAGEMENT

Recommendations:

BMPs not implemented; corrective actions needed.

1. Keep 55-gallon used oil collection drum closed at all times except when in use.

BMPs are likely necessary; the following environmental concerns are associated with this activity.

Replace the steel drum with a transparent (white) poly drum for draining oil filters to visually see the fluid level to prevent possible overfill into the mobile drum dispensing unit (spill scooter).

BMPs to consider where there are opportunities for pollution prevention.

- Do not commingle used oil with or contaminate with other wastes. If you accept used oil from other ADOT ORGs, it is recommended that you always question the source prior to acceptance. Keep the 'suspect' used oil in a separate labeled container and ask the vendor to test it.
- Techs should participate in annual training to discuss proper handling and response to spills of oil and fuel. This training may be incorporated into the FPPP (SPCC) Training and should be properly documented.

AVONDALE SHOP 10-28-14

1



Shop Evaluations



Detailed scores for each section on the

Self-Audit Environmental Compliance Checklist

ADOT

EQUIPMENT SERVICES

AVONDALE SHOP 2014-2016 GREEN SHOP AWARD SCORING & EVALUATION SUMMARY

Final Points	al Effects of Going Green N/A* Final Points 366	366	
Doct V Personal Effects of Going Green		Comments	No Commen
Part IV. – Action Plan	10	256 72 28 10	
Part III Workplace Housekeeping	28		
Part II. – Quest For A Green Shop	72		
Part I. – Environmental Compliance	256		
1-2016 Self-Audit Environmental Compliance Checklist Total Points		Checklist Points	

^{*} Not Applicable; Part IV has no official points but may be used in the final consideration for the Green Shop Award in case of tie scores.

SCORING DETAILS

The following evaluation documents observations from an unannounced inspection conducted on November 12, 2015 at the Avondale Equipment Shop with Mike Mitchell, Equipment Shop Supervisor. A personal interview was conducted with Jeremy Cleavenger, Equipment Repair Technician.

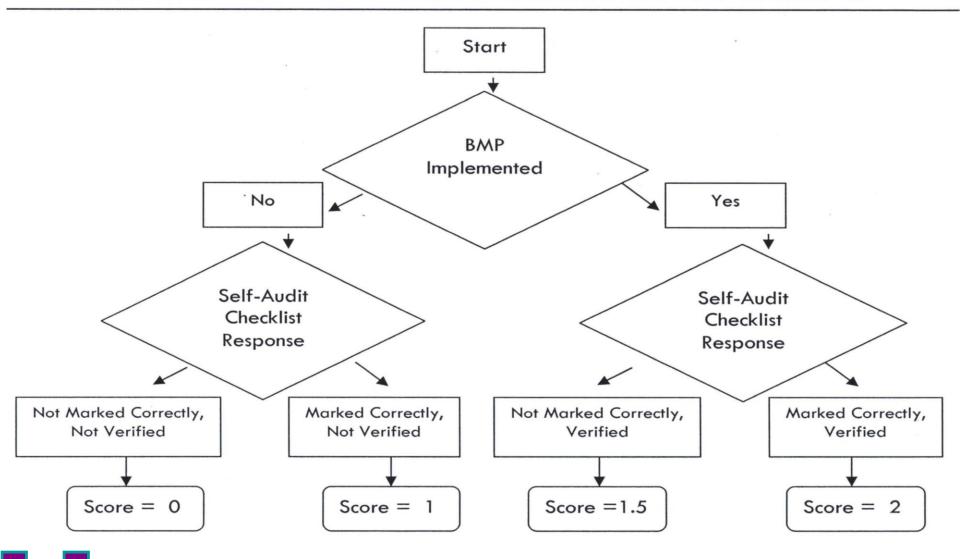
As a result of that inspection review and the 2014-2016 Self-Audit Environmental Compliance Checklist received on September 27, 2015, the following scores have been generated.

NOTE: NCV means "Not Currently Valued" (no points) at this time.

AVONDALE SHOP 111215



Metric for the assessment of BMPs



SCORING PENALTIES

- One point will be subtracted from the total score if the Checklist is submitted after the due date.
- Five points will be subtracted from the total score if the Checklist is completed during the unannounced on-site visit.
- One point will be subtracted if Checklist is submitted by regular mail or faxed.

Environmental Green Shop Award Program



STAR PERFORMER AWARDS











Environmental Green Shop Award Program



Green Shop Award Flag

Environmental Green Shop Award Program

Green
Shop
Award
Banner



Displayed Inside Shop

Environmental Green Shop Award Program



Green Shop Award Plaque



Conclusion

"Good environmental stewardship translates into good business practice. When an equipment shop reuses, recycles, and conserves water and energy, they not only contribute to the overall good of the environment, they save money as well."

ADOT Leads the Way!

- ✓ Proactive environmental management at all 22 equipment repair shops
- ✓ Implements 'above and beyond' best management practices (BMPs) to reduce pollution; checklists, metrics to measure progress; recognition & awards
- ✓ Sends a clear message about importance of being environmental stewards
- ✓ Our actions and policies make a difference!





ongratulations!

You're an ADOT-Certified GREEN SHOP



Arizona Department of Transportation



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