2014-2016

ENVIRONMENTAL GREEN SHOP AWARD PROGRAM

ADOT's 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 *evaluated* the impact of its operations on the environment, and then *adopted* 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

W I I F M ?

WHAT'S IN IT FOR ME

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

W I I F M ?

1. More Service Time
2. Known Expectations
3. Pride Not Fear
4. Cleaner Work Environment

Earning Green By Going Green

- Recycling Practices

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

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 =

<u>$17,700</u>

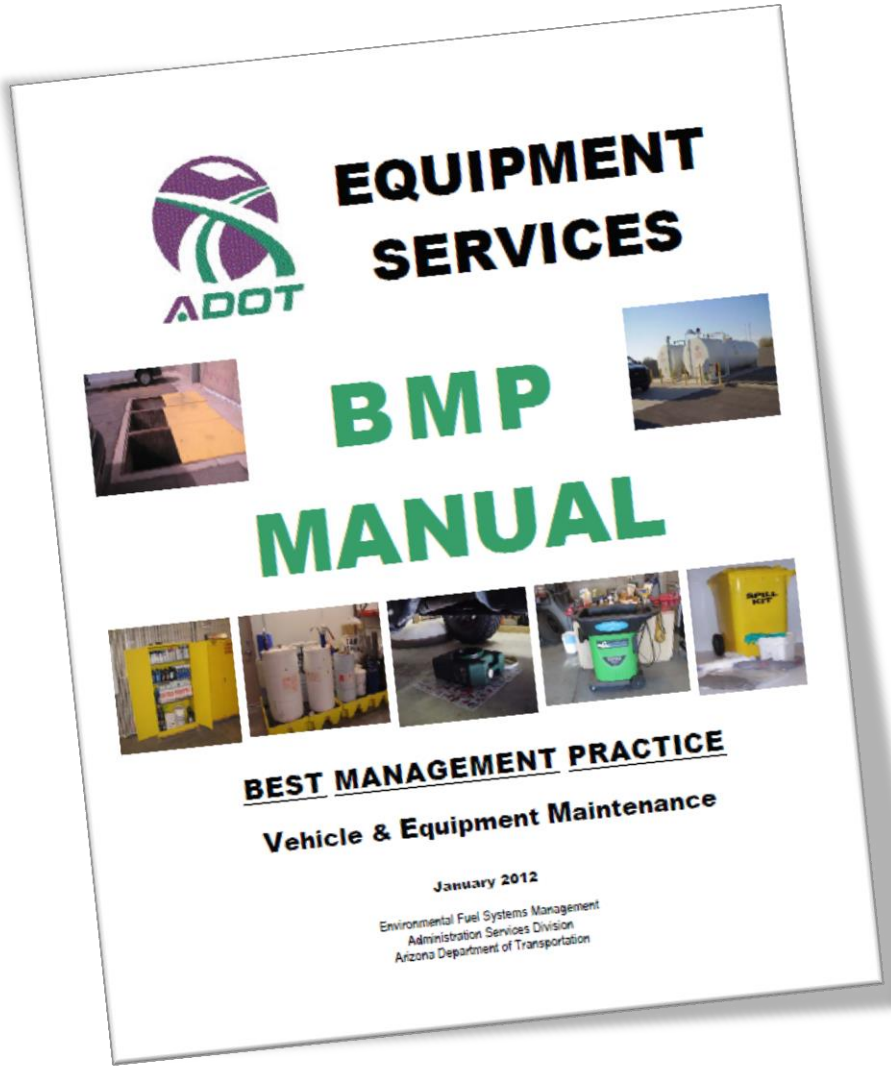
Environmental Green Shop Award Program

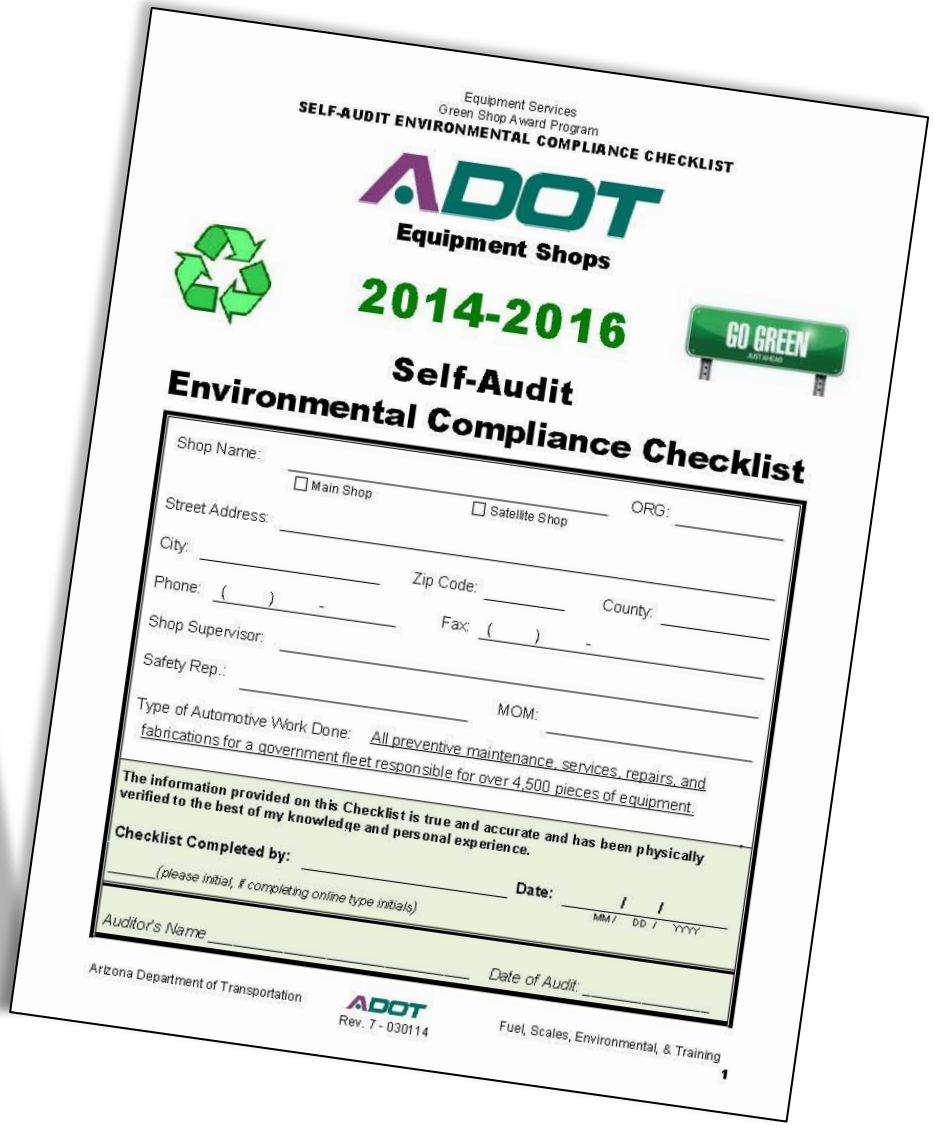
- **Equipment Services BMP Manual**

- **Self-Audit Environmental Compliance Checklist**

- **Environmental Green Shop Award Program**

ADOT EQUIPMENT SERVICES





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

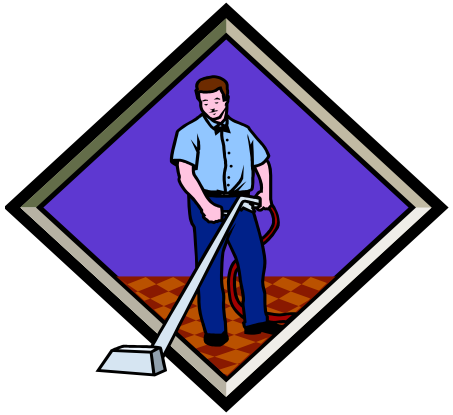
Self-Audit Checklists Ensure

- 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

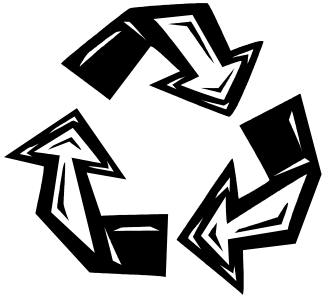
Environmental Green Shop Award Program



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

Environmental Green Shop Award Program

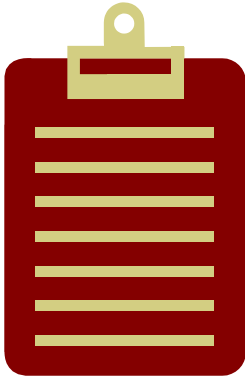
Makes environmental stewardship an everyday practice at ADOT



Environmental Green Shop Award Program

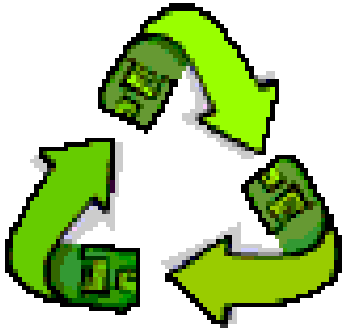
AWARD CRITERIA GUIDELINES

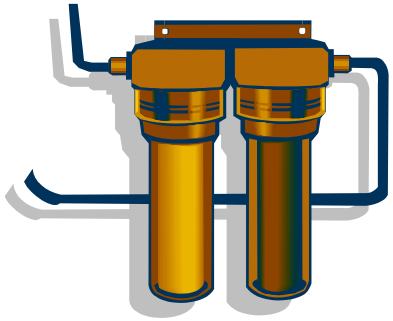
Environmental Green Shop Award Program



- 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

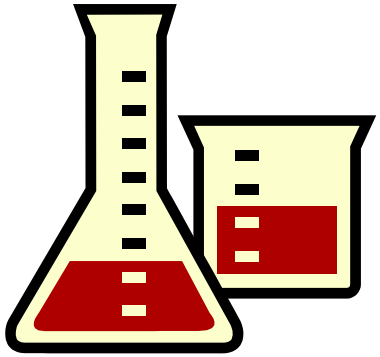
  Aqueous (water-based) brake cleaning ‘SmartWashers®’, floor scrubbers, SpillPro® Machine, spill containment devices, overhead product delivery, and other pollution prevention BMPs

Environmental Green Shop Award Program

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

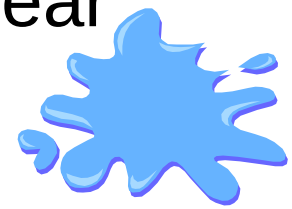
- Workplace Housekeeping, i.e. - overall shop cleanliness, office areas, floors clean and service bays tidy, trashcans covered, clutter

Environmental Green Shop Award Program



- Implements a variety of measures to reduce the amount of chemicals stored, the hazards of the exposure and reducing your environmental impact

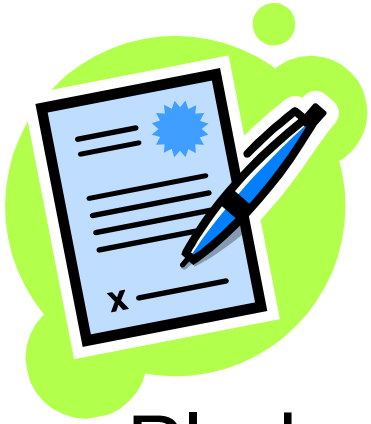
- No reported spills or releases within the year

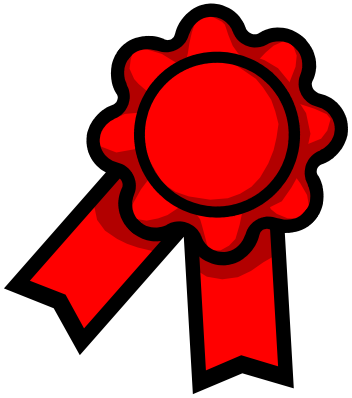


Environmental Green Shop Award Program

- 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 received 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.

2. 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.

3. 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.
4. 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

Green Shop Award Scoring Summary			
2014-2016 Self-Audit Environmental Compliance Checklist	Total Points	Checklist Points	
Part I. – Environmental Compliance	256	256	
Part II. – Quest For A Green Shop	72	72	
Part III. – Workplace Housekeeping	28	28	
Part IV. – Action Plan	10	10	
Part V. – Personal Effects of Going Green	N/A*	Comments ✓	No Comments
Final Points	366	366	
GREEN SHOP AWARD SCORE		**100%**	

* 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

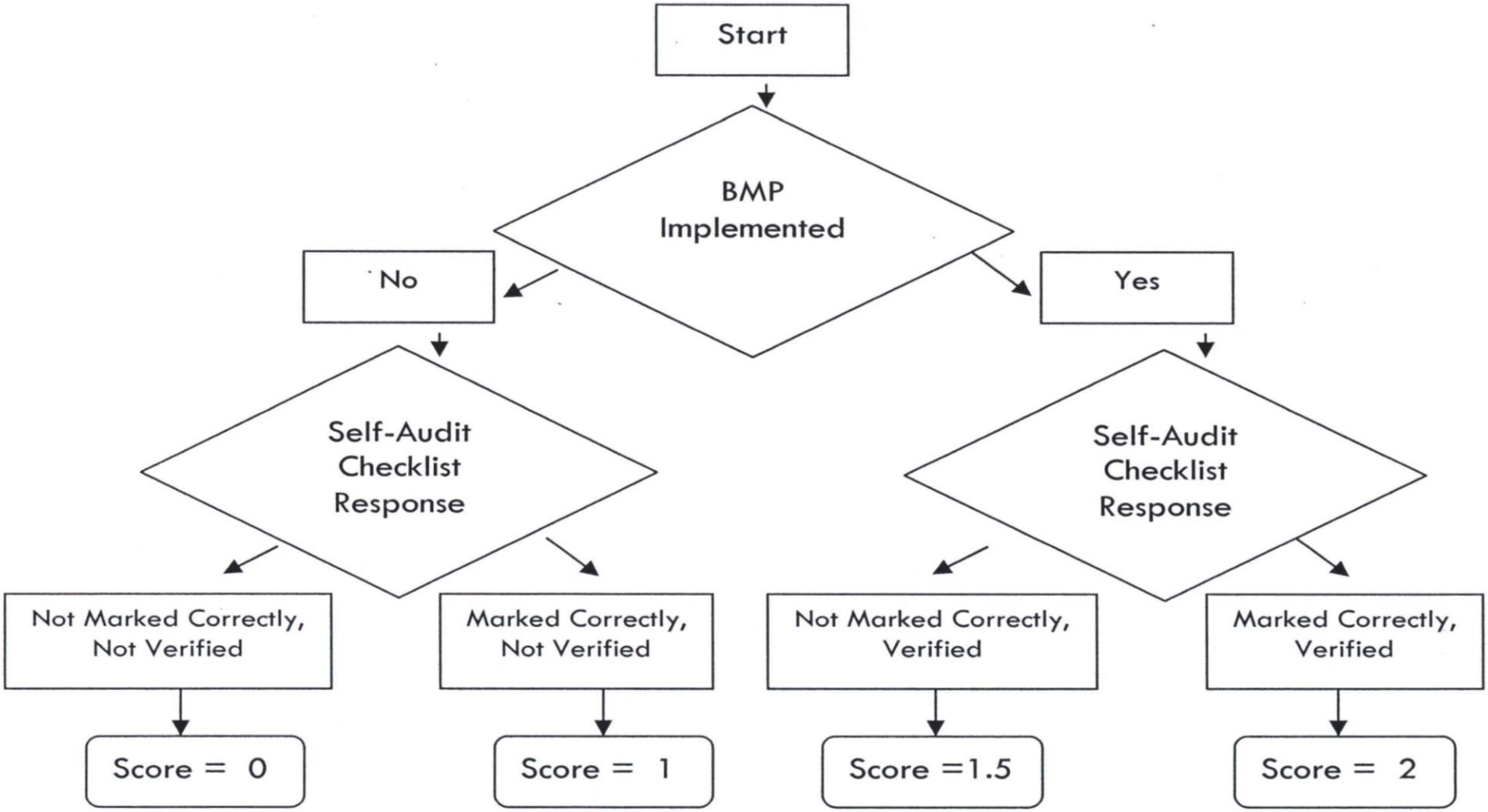
The following evaluation documents observations from an unannounced inspection conducted on November 12, 2015 at the Avondale Equipment Shop with Mike Mitchell, Equipment Shop Supervisor. A personal interview was conducted with Jeremy Cleavenger, Equipment Repair Technician.

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 1

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!

Congratulations!

You're an ADOT-Certified GREEN SHOP

Arizona Department of Transportation

ADOT

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