
AUTOMOTIVE REPAIR DEALER INSPECTION SYSTEM (ARDIS)



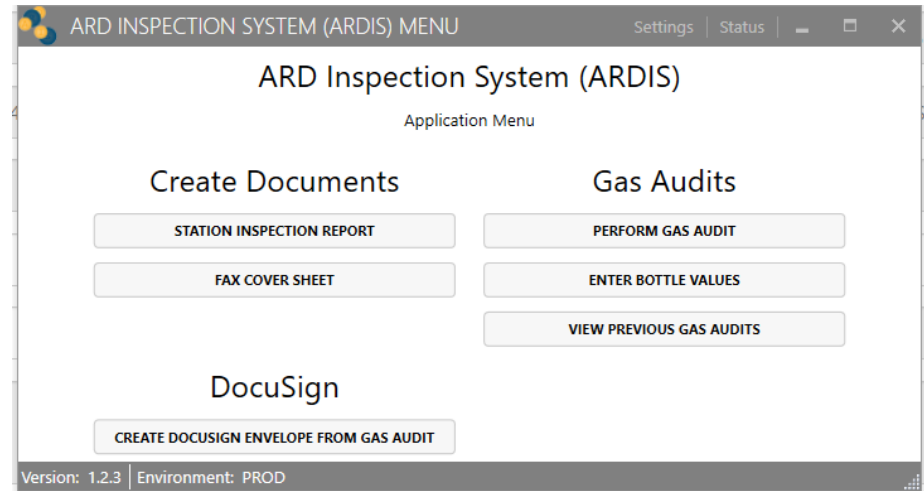
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SUPERVISOR
BAR ADVISORY GROUP MEETING
JANUARY 23, 2020

ARDIS OVERVIEW

- Created to replace antiquated gas audit software
 - Gas audit software created in 1990s
 - Documents created in Microsoft Word
 - No capability to store electronic documents
 - No flexibility to accommodate program changes
 - Could not accommodate Fleets Unit requirements

ARDIS COMPONENTS

- Two part application
 - Part 1: Desktop application
 - Used by Gas Audits and Fleets staff to perform gas audits
 - Generates required documents
 - Station inspection report
 - Gas audit report
 - Fax cover sheet
 - Integrated DocuSign functionality



ARDIS COMPONENTS (CONTINUED)

- Part 2: Web portal
 - Document retrieval and storage
 - Station and analyzer information
 - Staff's assigned workload
 - Station compliance tracking
 - Program reporting and evaluation tools

ARDIS Web Portal Station Gas Audit ▾ Admin ▾

Hello, Goodwin, Gary@DCA

ARDIS Web Portal

The ARDIS web portal is a companion application to the ARDIS desktop application. This application allows users to view documents and gas audits generated by the ARDIS desktop application as well as administer ARDIS. Use the menu above to navigate through this application.

DESKTOP APPLICATION

- Pre-populates station information into gas audit report from locally stored reference tables

The screenshot shows a desktop application window titled "ARD INSPECTION SYSTEM (ARDIS) GAS AUDIT". The interface is divided into two main sections: "STATION INFORMATION" and "ANALYZER INFORMATION".

STATION INFORMATION

Auditor:	HQGGOOD
Station Number:	[REDACTED]
Station Name:	[REDACTED]
Station Address:	[REDACTED] [REDACTED]
Follow-up Visit:	No ▼
ASM or TSI Analyzer:	ASM ▼

ANALYZER INFORMATION

EIS Number:	EP729284 ▼
EIS Software Version:	1805

DESKTOP APPLICATION (CONTINUED)

- Uses formulas based on BAR-97 specifications to determine pass/fail results

The screenshot shows a desktop application window titled "ARD INSPECTION SYSTEM (ARDIS) GAS AUDIT". Below the title bar, it displays "Audit Number: 1". The interface is divided into two main sections: "GAS AUDIT READINGS" and "BOTTLE VALUES AND TOLERANCE".

GAS AUDIT READINGS

Gas	Value
HC, ppm:	205
CO %:	0.6
CO2 %:	8
NO, ppm:	302
O2 %:	0
PEF:	0.5

BOTTLE VALUES AND TOLERANCE

Bottle Value	Absolute Tolerance	Relative Tolerance
200 ppm	12 ppm	4 %
0.5 %	0.04 %	4 %
6 %	0.4 %	4 %
300 ppm	27 ppm	5 %

Gas Range

LOW MID 1 MID 2 HIGH

DESKTOP APPLICATION (CONTINUED 2)

- Pre-populates fields in all documents associated with audit
- Uses customizable statements to generate station inspection report
 - Increases efficiency and accuracy
 - Ensures uniformity statewide
 - Provides approximately 90% coverage of scenarios encountered

The screenshot displays the 'ARD INSPECTION SYSTEM (ARDIS) INSPECTION REPORT - STATION INFORMATION' window. The form is organized into several sections:

- STATION INFORMATION:** Contains fields for ARD # (with a blue arrow pointing to it), Owner Name, Date (1/13/2020), Facility Name, Facility Address, City, Zip, Business Phone, Facility Email, Resale Permit, EPA NO, and Received By (a dropdown menu).
- ANALYZER INFORMATION:** Contains fields for EIS # (a dropdown menu), EIS Mfr., EIS VSN, and Modem #.
- DAD INFORMATION:** Contains fields for DAD Serial # and DAD Manufacturer.
- TECHNICIAN INFORMATION:** Contains fields for Technician # (a dropdown menu), Technician Name, and License Exp. Date (a date picker).

At the bottom of the form, there are four buttons: 'POPULATE FROM GAS AUDIT' (with a blue arrow pointing to it), 'EDIT PREVIOUS REPORT', 'CANCEL', and 'CONTINUE'.

DESKTOP APPLICATION (CONTINUED 3)

Example Text

REMARKS:

I performed a BAR 97 Emission Inspection System (EIS) analyzer gas audit, anti-tamper system, gas cap tester, dynamometer and peripheral equipment inspection.

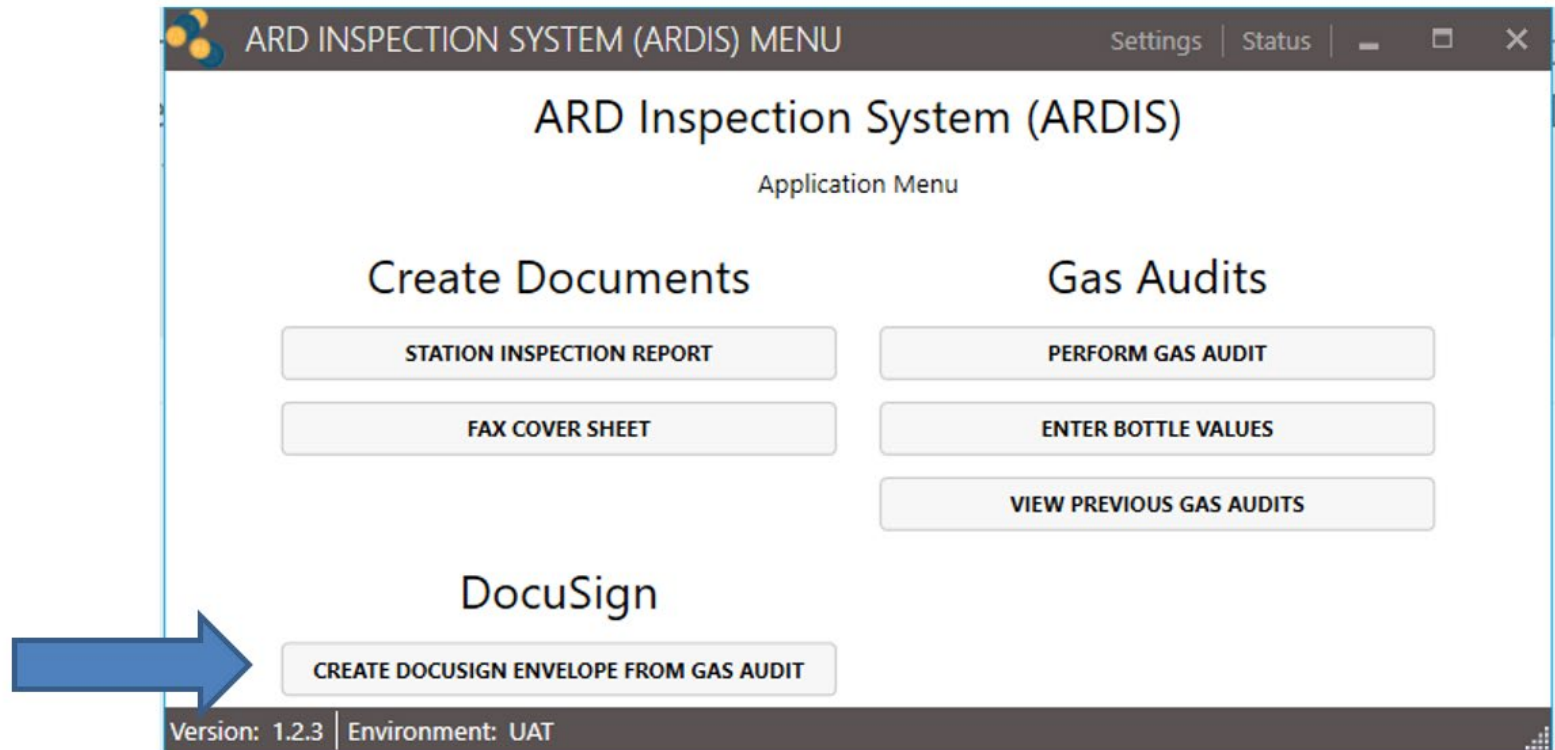
The EIS failed the first gas audit. Following a passing gas calibration, the EIS failed the second audit. The EIS gas audit readings are currently not compliant with the BAR 97 specifications. Copies of the gas audit results have been provided to the above named station.

I performed a visual inspection of the Data Acquisition Device (DAD). During the inspection, I found that the device AP111111 was damaged. The station is advised to replace the DAD unit as listed on the provided fax cover sheet.

This is a 10-day notice of correction (Correction Notice). Station is advised to contact the EIS manufacturer to request service and notify the manufacturer that the EIS failed the four gas audit. The Factory Service Representative (FSR) will need to perform a four gas audit after service to verify repairs. Station is further advised to follow the instructions on the fax cover sheet to clear the correction notice. Failure to comply by the date specified at the bottom of the fax cover sheet may result in further action taken against the station.

DESKTOP APPLICATION (CONTINUED 4)

- Application is inserted into DocuSign workflow
 - Staff can complete DocuSign transaction within ARDIS instead of having to navigate to DocuSign's website



WEB PORTAL

- Document storage
 - Final link in paperless chain
 - Retrieves signed documents from DocuSign and attaches them to stored audit information
 - Compliance documents from stations are uploaded and stored in application

View Doc. Link	Document Content	Date	View Audit Link
View Document	Compliance Documentation	1/10/2020 12:45:18 pm	Audit Details
View Document	Partial Compliance Documentation - Gas Audit results and OPUS invoice	1/9/2020 1:28:25 pm	Audit Details
View Document	DocuSign - Gas Audit	12/31/2019 11:35:57 am	Audit Details
View Document	Compliance Documents	5/7/2019 3:33:47 pm	Audit Details
View Document	Fax Cover Sheet	4/8/2019 2:06:04 pm	Audit Details
View Document	Station Inspection Report	4/8/2019 1:59:24 pm	Audit Details
View Document	Gas Audit	4/8/2019 1:44:21 pm	Audit Details
View Document	Compliance documentation	2/11/2019 9:33:21 am	Audit Details
View Document	Station Inspection Report	3/23/2018 1:54:30 pm	Audit Details
View Document	Gas Audit	3/23/2018 1:22:39 pm	Audit Details
View Doc. Link	Document Content	Date	View Audit Link

WEB PORTAL (CONTINUED)

- Auditor's workload assigned by region

Station	Station Name	Address	City	Zip	County	Station Type	CAL. Issue	Last Audit
			RIVERSIDE	92507	RIVERSIDE	Star Test Only	Y	5/6/2019
			HEMET	92543	RIVERSIDE	Star Test and Repair	Y	
			MORENO VALLEY	92553	RIVERSIDE	Star Test and Repair	Y	2/6/2019
			CATHEDRAL CITY	92234	RIVERSIDE	Star Test Only		12/10/2019
			NORCO	92860	RIVERSIDE	Star Test and Repair		12/5/2019
			INDIO	92201	RIVERSIDE	Star Test and Repair		1/16/2019
			INDIO	92201	RIVERSIDE	Star Test Only		11/27/2018
			PALM DESERT	92211	RIVERSIDE	Star Test and Repair		11/26/2018
			ALM DESERT	92211	RIVERSIDE	Star Test Only		11/29/2018
			ALM DESERT	92211	RIVERSIDE	Test and Repair		
			BANNING	92220	RIVERSIDE	Star Test and		2/19/2019

WEB PORTAL (CONTINUED 2)

- Station compliance tracking

Compliance Info

Audit Number	fa995326-6327-4deb-b797-c0022777aa19	Analyzer	WP393066
Station	990232	Auditor	HQDDAWS
Audit Date	12/11/2018 10:47:05 AM	Cleared By	
Date Cleared		Referral	No
Recommend Follow-up	No	Referral Date	
Follow-up Complete Date		Existing Referral Notes	
Existing Comments		Referral Notes	
Comments			
Clear Notice	<input type="checkbox"/>		

QUESTIONS AND COMMENTS

Submit questions and/or comments to:

Gary Goodwin

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