



DOW CHEMICAL U.S.A.

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LOUISIANA DIVISION
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To keep our Beckman 6750 Analyzer at Tank Car Cleaning operating at peak efficiency, with a minimum of maintenance costs, the following is recommended and can be done by our personnel:

1. Inspection of analyzer filters, vacuum pump, sample lines and gas bottles using a daily check list (attached).
2. Re-align and secure all field sample points under Tank Car shed.
3. Number field sample points for easy location.
4. Install filters at all field sample points to minimize problems with water, steam, etc. clogging sample lines. These filters are on hand.

The daily inspection check list and location of sample points are attached.

Additionally, regular calibration of the analyzer by the Instrument Dept. is necessary, probably on a weekly basis. We do not have the expertise to do this.

I am available to instruct personnel or assist as needed.

J. L. Moreau, Jr.
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Industrial Hygiene
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lrj

DAILY AREA ANALYZER CHECKLIST

DATE _____ NAME _____

1. INLET AIR FILTER CHECKS (Open bleed valve to blow out water vapor.)

COMMENTS

Filter #1 _____	_____
Filter #2 _____	_____
Filter #3 _____	_____
Filter #4 _____	_____

2. VACUUM PUMP OPERATION/FILTERS

COMMENTS

(Oil vapor - Filter #5 No bleed valve) _____ Filter #6 _____	_____ _____
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3. ROTOMETER OPERATION (Check ball position on all rotometers. If ball is seated, sample line is plugged with water. Refer to chart, locate corresponding field sample point and remove filter. Disconnect sample point tubing at outside of analyzer housing. Connect air line tubing to sample tubing. Open air needle valve and blow back for approximately 5 minutes. Check field sample point to insure that water has been blown out. Close needle valve on air sample line. Replace filter at field sample point. Disconnect air line tubing and store in analyzer housing. Reconnect sample tubing. Check for ball position on rotometer.)

COMMENTS

Rotometer, Sample Point #1 _____	_____
Rotometer, Sample Point #2 _____	_____
Rotometer, Sample Point #3 _____	_____
Rotometer, Sample Point #4 _____	_____
Rotometer, Sample Point #5 _____	_____
Rotometer, Sample Point #6 _____	_____
Rotometer, Sample Point #7 _____	_____
Rotometer, Sample Point #8 _____	_____
Rotometer, Sample Point #9 _____	_____
Rotometer, Sample Point #10 _____	_____

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4. CARRIER GAS AND FUEL GAS BOTTLE PRESSURES
(Change bottle if 4000# gauge reads less than 200#.)

	<u>COMMENTS</u>
Zero Hydrogen - on stream _____	_____
Zero Hydrogen - spare _____	_____
Zero Nitrogen - on stream _____	_____
Zero Nitrogen - spare _____	_____
Zero Air - on stream _____	_____
Zero Air - spare _____	_____

NOTE: Filter elements should be changed when excessively
oily and wet.

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LGS/lrj

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4. CARRIER GAS AND FUEL GAS BOTTLE PRESSURES
(Change bottle if 4000# gauge reads less than 200#.)

	<u>COMMENTS</u>
Zero Hydrogen - on stream _____	_____
Zero Hydrogen - spare _____	_____
Zero Helium - on stream _____	_____
Zero Helium - spare _____	_____
Zero Air - on stream _____	_____
Zero Air - spare _____	_____

NOTE: Filter elements should be changed when excessively
oily and wet.

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