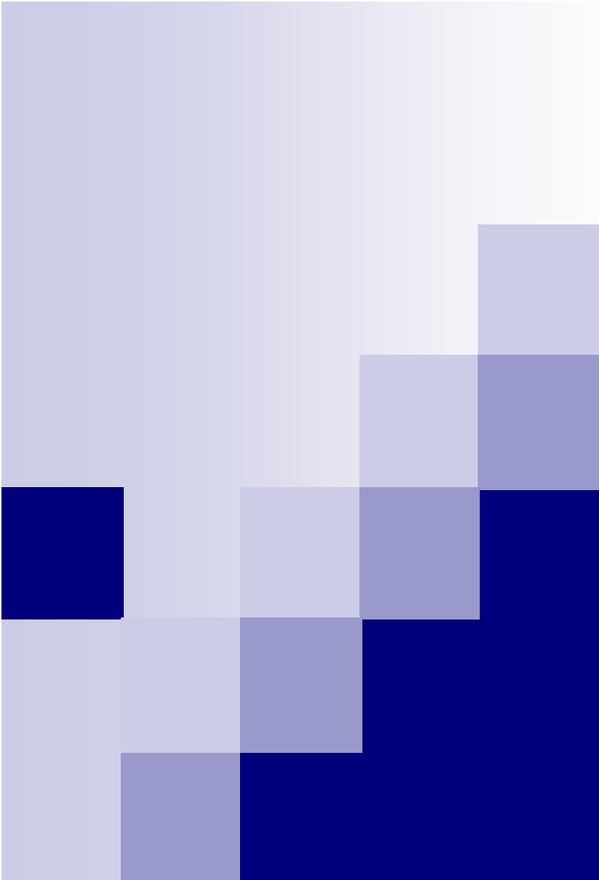
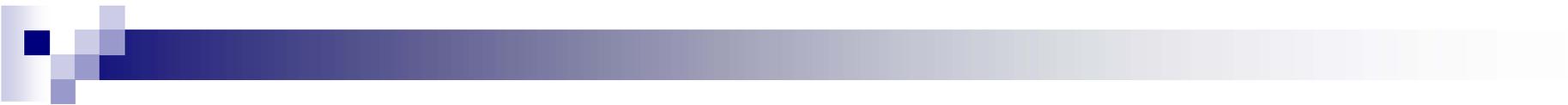


LPG Operators Meeting

September 29, 2011

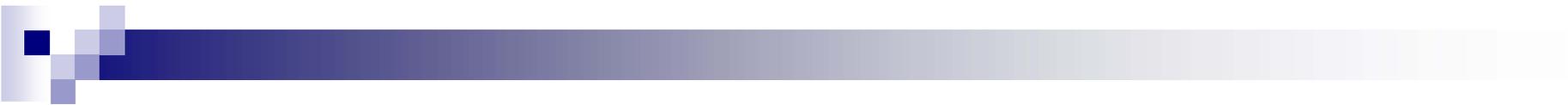


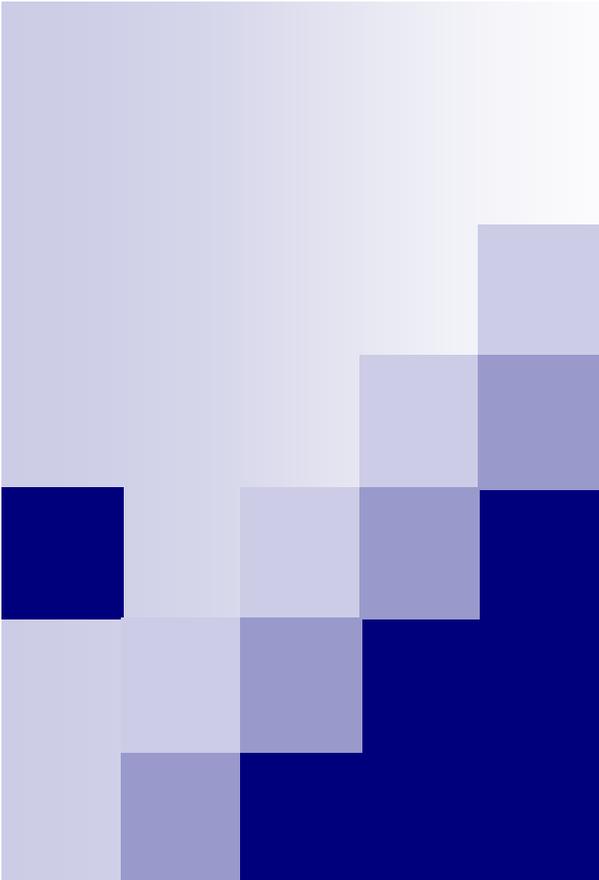
Distribution Integrity Management Program (DIMP)

- 
- Have a Distribution Integrity Management Program in Place; Including a Written Plan - August 2, 2011

 - Differing Requirements for LPG Operators
 - 100 or More Customers: §192.1005 - §192.1013
 - Less than 100 Customers: §192.1015

- 
- Operators Appear to Favor the SHRIMP Software Application by the American Public Gas Association (APGA)
 - The APGA Recently Modified SHRIMP to Better Accommodate LPG Operators With Less Than 100 Customers.

- 
- The MPUC Will Soon Be Formally Requesting Written Plans for Review.
 - Review Will Consist of Verification That Elements Stated in the Respective Sections of Part 192 Are Addressed.
 - There Will Be Subsequent Inspections To Ensure the Plans Are Followed.



2011 Inspection Review

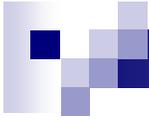


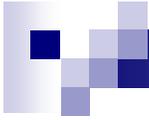
2011 Inspection Review

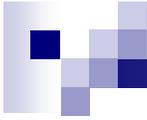
- 213 - Field Inspections Completed
- 13 - Records Inspections Completed
- 18 - LPG Operators Involved in Inspections
- All Final Reports to LPG Operators in 30 days
- 87 Jurisdictional Systems removed from records

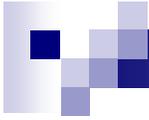
“A Few of the Good”

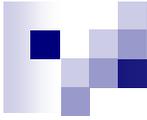


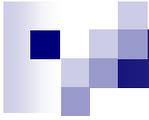






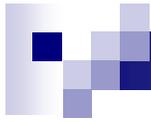




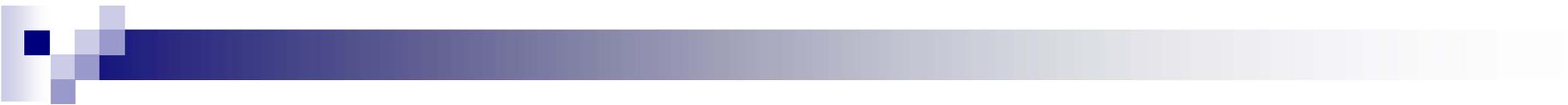




LP Operators Corrective Action Reporting



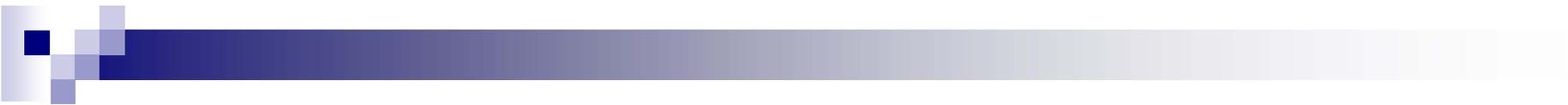
- Responses have been very good
- Reference the Facility ID number on all responses
- Correspondence should be sent to Tammy Chamberlain and cc'd to Jim Atkins
 - tammy.chamberlain@maine.gov
 - james.atkins@maine.gov

- 
- Submit the corrective action documentation together as a complete package for each Facility ID when possible
 - Attempt to take corrective action picture(s) at similar angle as original MPUC picture
 - Use uploading process if possible
 - Contact MPUC if a few extra days are needed (informal request)



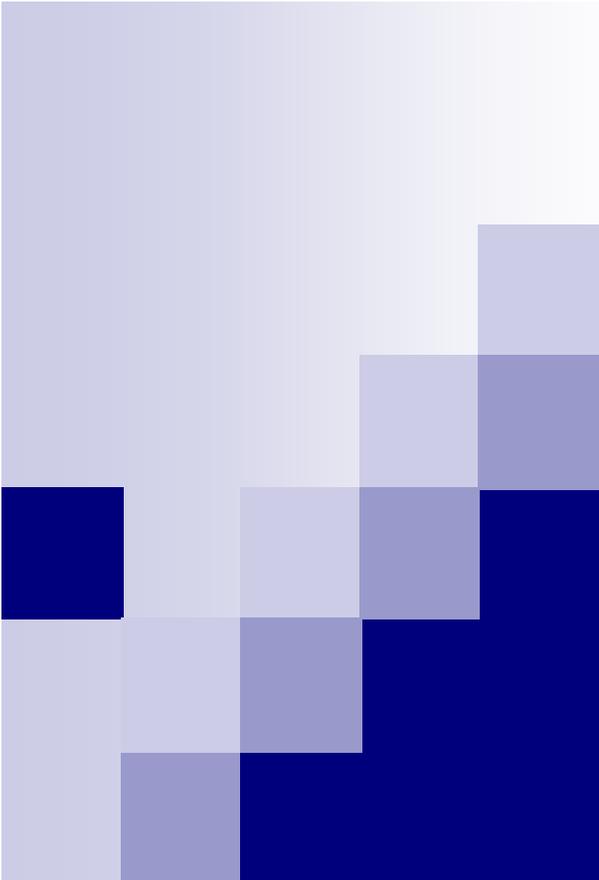
Formal Request for Time Extension

- Request must be in writing (e-mail or letter)
- Send request to Gary Kenny or Jim Atkins
- Cc: Copy of request to Tammy Chamberlain
- Written request must state specific reason(s) why extension is required
- Request must propose the date work will be completed



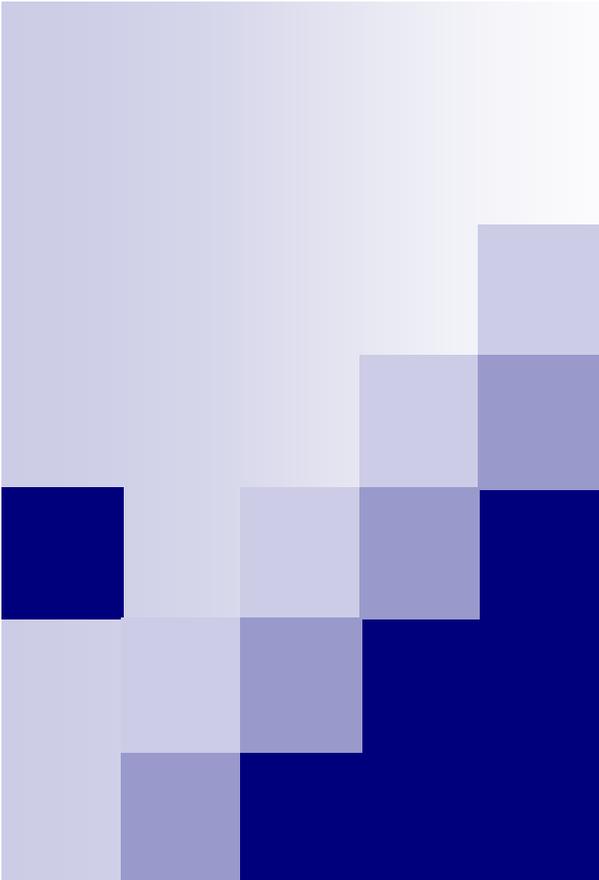
Request for Time Extension-cont.

- A confirmation will be sent to Operator from MPUC indicating if the extension is granted or denied
- MPUC may add conditions when granting extensions
- Extension date will be monitored for completion by MPUC. No additional notice from MPUC will be sent to the operator.

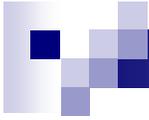


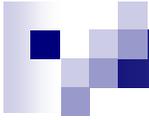
Non-Compliance Most Common Items

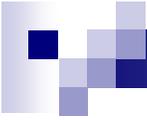
Regulator Vent Locations
Vehicle Protection

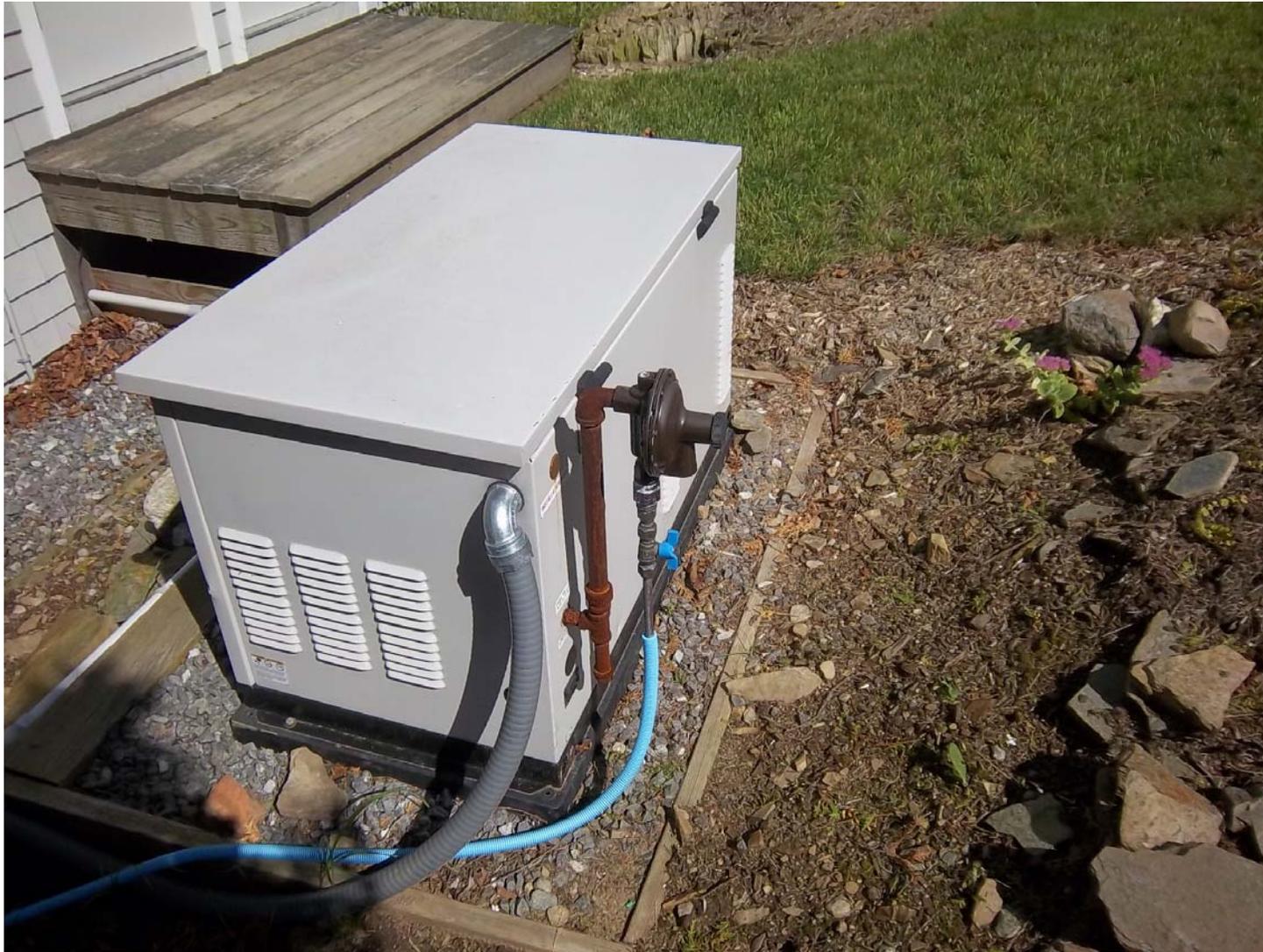
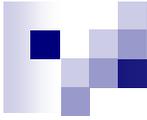


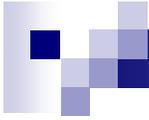
Regulator Venting

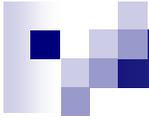


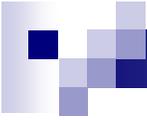


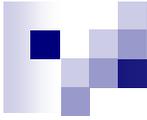


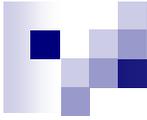


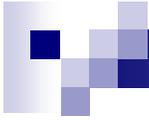




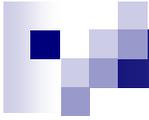


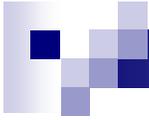


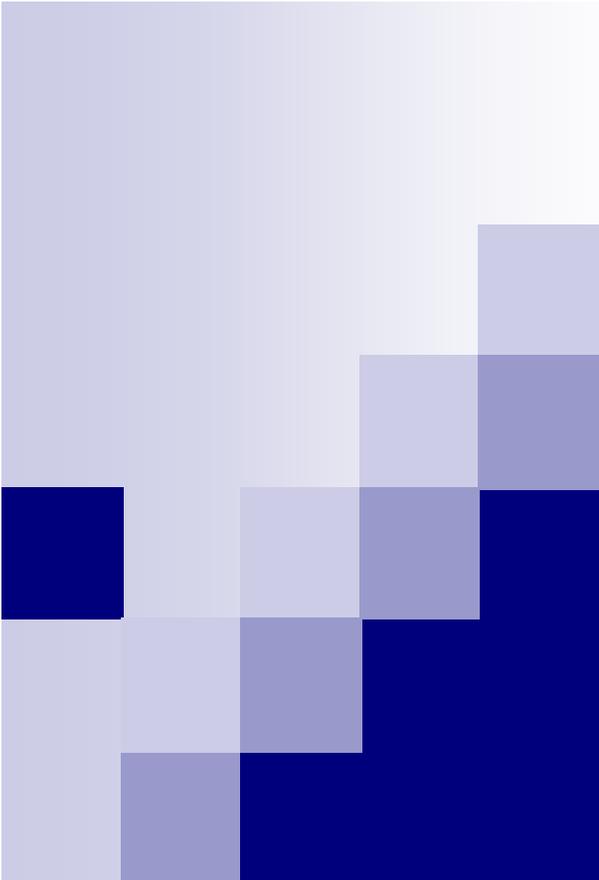




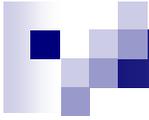


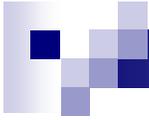


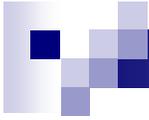


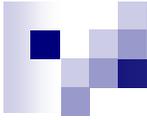


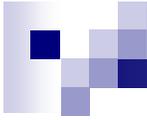
Vehicle Protection

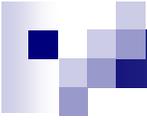


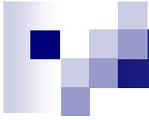


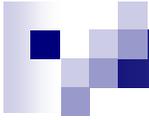


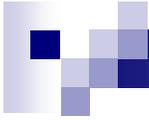


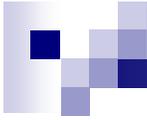


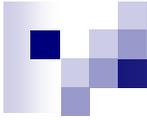


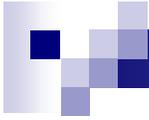


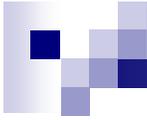


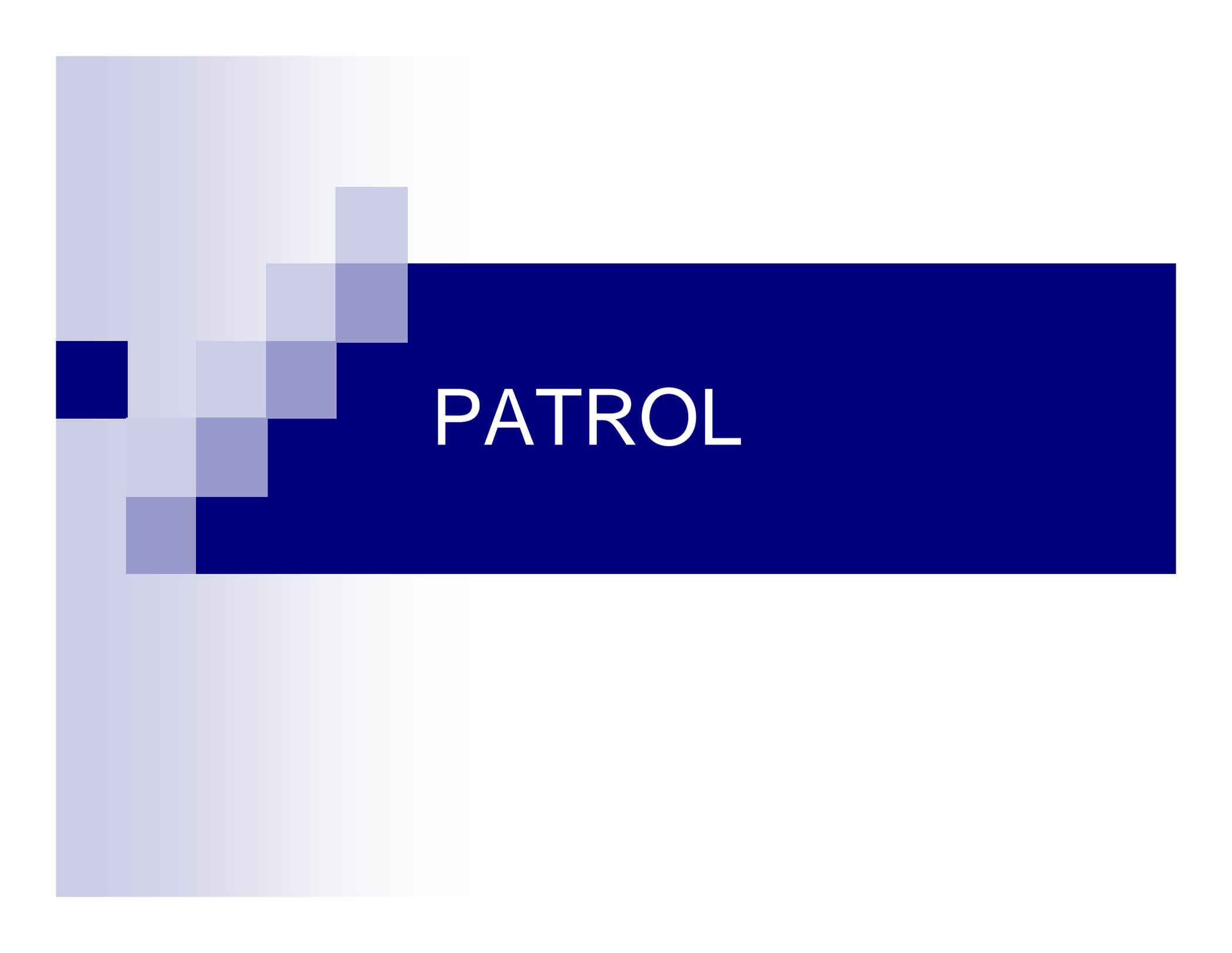










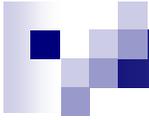


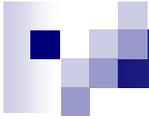
PATROL

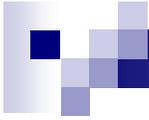


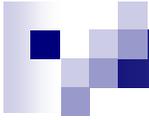
Patrol Purpose

- Monitor system and identify potential safety related problems or code compliance issues.
- Items to consider:
 - Leakage Indications
 - Third Party Excavation/Work in area of piping system
 - Conditions that may have changed since last patrol
 - Maintenance items that need to be addressed (i.e. atmospheric corrosion, washouts, dead weeds/brush around tank etc.)
 - Code Compliance issues (i.e. vehicle protection, regulator venting, new appliance installation, etc.)









Early Spring View



Summer View





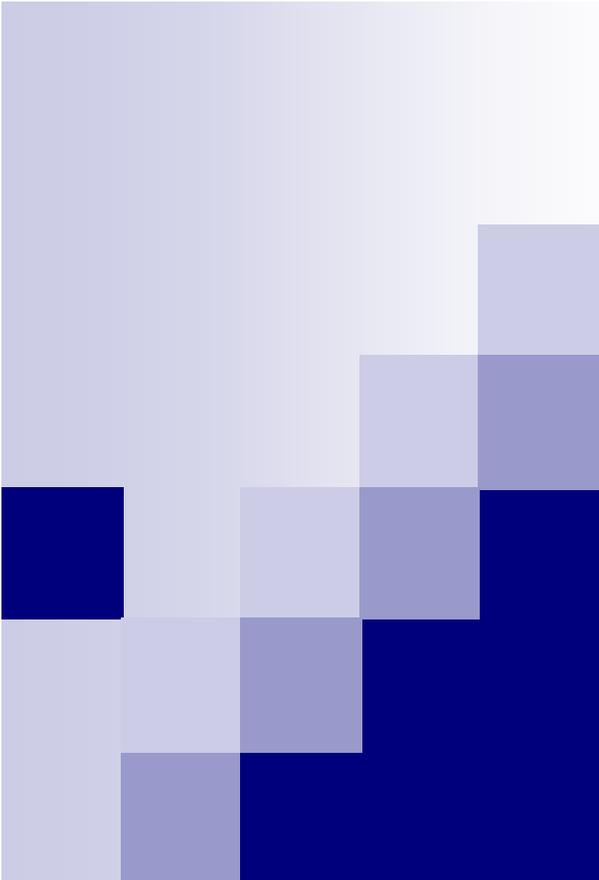
Patrol Documentation

- Prepare a written report of the patrol
- Document pipeline area the patrol covered
- Document what items were reviewed
- Include seasonal issues (i.e. ice buildup, snow covered, snow plowing issues, etc.)
- Note any maintenance items that require follow-up



Patrol Documentation – cont.

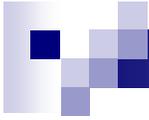
- Check any areas of suspected gas leakage with a CGI – Follow your O&M Plan regarding classification of leaks
- Check meters, tanks and system for signs of tampering or vandalism
- Gather any additional information if available for DIMP program

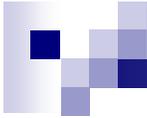


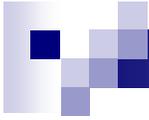
Corrosion

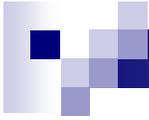
What do you look for while performing a Patrol?

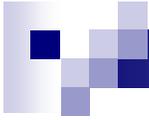


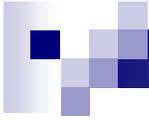


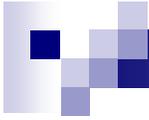


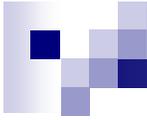


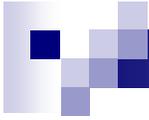


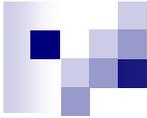


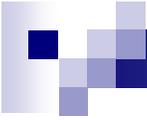


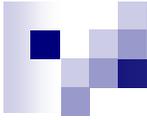


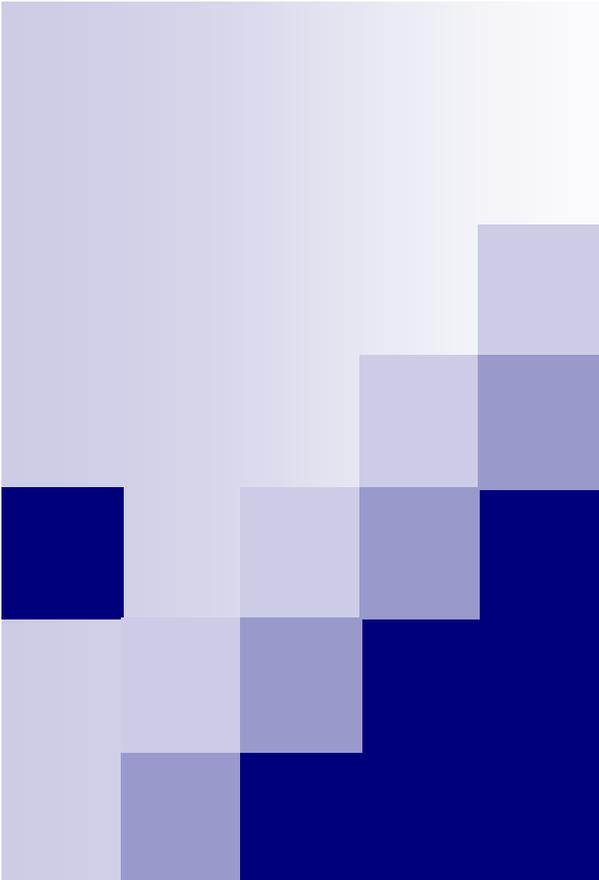




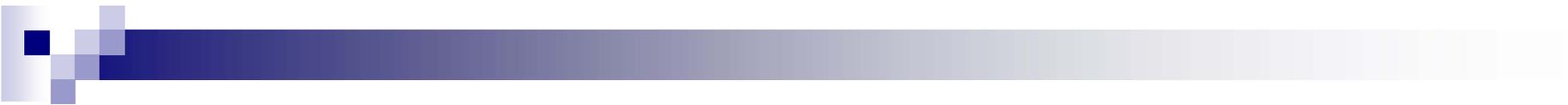








Leak Survey & Testing



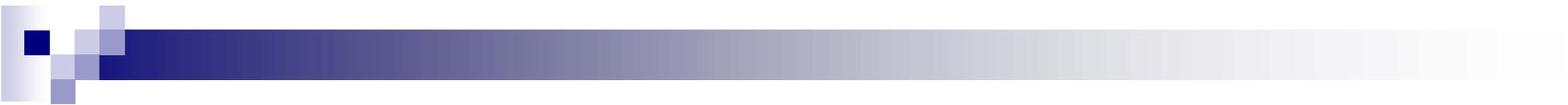
Leak Survey and Testing Equipment

- LP Operators can use a “pressure drop” test to prove the integrity of their pipeline
- If a drop in pressure is detected, then a subsurface survey using a CGI instrument must be done
- Underground tanks must have a subsurface survey completed annually using a CGI instrument



Leak Survey & Testing Equip - Cont

- Underground tanks must be tested on each side and each end with a CGI instrument
- Results of subsurface testing with a CGI instrument must be documented
- The CGI instrument must have the capability of displaying a numerical readout on the LEL scale and % volume scale



Leak Survey & Testing Equip - Cont

- Sensing units with only a “Tick Rate” or “Audible Alarm”, with no numerical display, are not acceptable for use
- The CGI must be calibrated for use with Propane Gas
- The instrument must be calibrated and maintained at intervals in accordance with manufacturers instructions



Questions? Call us at: (219) 465-2700
 Toll-Free in United States: (888) 473-6748
 Email: info@gasleaksensors.com



**SENSIT® Trak-It IIIa
 Combustible Gas Indicator**

TRAK-IT® IIIa is the most durable and user friendly CGI (Combustible Gas Indicator) available. The "T3a" can be configured for combustible gas readings in PPM, LEL and/or percent volume as well as a variety of toxic sensors, oxygen and VOC.

The TRAK-IT IIIa is ideal for underground gas leak pin pointing, pipeline purging, and confined space applications. This gas detector is available for areas requiring UL and ATEX certification.

**Designed for Extreme Working
 Conditions**

**Detects and Displays Up To 4
 Gases Simultaneously**

- LEL (%Volume and PPM Optional)
- Oxygen
- Carbon Monoxide
- Hydrogen Sulfide

- Stainless steel housing
- Internal 2 Speed High-Volume Pump
- Identifies Propane versus Natural Gas Detection
- SMART-CAL automatic calibration system compatible

Regulatory Compliance Applications:

NFPA 54 - National Fuel Gas Code
 Gas Piping System Purging Requirements

EPA Method 21
 Determination of Volatile Organic Compound Leaks (VOC)



Trak-It IIIa Standard Features

- Lowest Cost, Long Life Sensors
- LED Warning Lights
- Large Bright Graphic Display
- Loud Audible Alarm
- Optional 1600 Event Auto Log
- Exceptional Water Protection
- Long Battery Life
- Cost Effective As An Area Monitor
- Infrared Downloading
- Built-in Natural Gas Calibration
- Built-in Propane Gas Calibration
- Stainless Steel Housing

For More Information, Email Us At:
info@gasleaksensors.com

Or Call Us At: (219) 465-2700
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Gasurveyor 500 Series



The GMI Gasurveyor 500 series is the most flexible range of gas detectors available today.

By simple selection of hardware and software options, you can easily configure the product to suit your exact application.

- Measures flammable, oxygen and toxic gases
- Dual mode operation - Combustible Gas Indicator (CGI) / Confined Space Monitor (CSM)
- Rechargeable or alkaline battery options
- Approved to European and North American safety standards
- Extremely robust anti-static case
- Simple to use
- Built-in sampling pump as standard
- Large LCD with automatic backlighting in low level light conditions
- Compatible with the GMI range of Auto Calibration Systems
- Audible / visual alarms for all gas ranges
- Fault alarms for low flow, low battery etc.
- Probes for a wide range of applications



www.gmiuk.com

Detection, Protection, Innovation

GMI. CONFIDENCE WHERE SAFETY IS CRITICAL. Gas Measurement Instruments designs, manufactures and markets a wide range of the highest quality proven personal portable and fixed gas monitoring systems. GMI is an international brand with a worldwide network of distributors and dedicated service centres ensuring fast and effective turnaround on instrument calibration and repair. Our uncompromising engineering excellence, established in over half a century of leadership, enables us to meet the exacting demands of industries where safety is critical. By building and maintaining strong relationships with our customers, GMI understands the unique challenges of the diverse markets we serve. Today, our proud heritage of pioneering gas leak monitors and detectors is shaping the future of GMI.

GMI
Gas Measurement Instruments Ltd



Gas-Sentry

Product 9/9

[prev](#) [listing](#) [next](#)



larger image

CPI-301 Gas-Sentry Propane & CO Detector

\$1,385.00

Each detector has a built-in pump and comes with automatic calibration (A standard probe (SP-307), dust & water block filter (WF-301), coiled hose (operating manual.

Detector weighs 20 ounces (570g) has a rotary switch selectable LED displ on a set of four AA batteries. Track gas scale is for quick leak location and



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Innovative Detection Solutions

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SENSIT® TKX Combustible Gas Leak Detector

SENSIT® TKX is portable single gas leak detector. With its durable design and easy operation, the SENSIT® TKX is the perfect choice when locating hard to find natural gas or propane gas leaks.

Rugged sensor cap prevents contamination of the LEL sensor. Tick Rate Control pin-points leaks. Low maintenance and low initial cost make this gas leak detector the ideal choice for the budget conscious.

FINDS GAS LEAKS QUICKLY

- High sensitivity allows immediate gas leak detection
- Tick rate control to pinpoint gas leaks fast
- Detects many gases and chemicals

LOW MAINTENANCE

- Solid state sensor
- Alkaline battery powered
- Lowest cost of ownership



TKX Standard Features

- Long battery life
- Long sensor life
- Adjustable tick rate system
- Audible and Visual Indicators
- SENSIT® quality and durability

For More Information, Email Us At:

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PRODUCT BROCHURE



OPERATION MANUAL



QUICK START

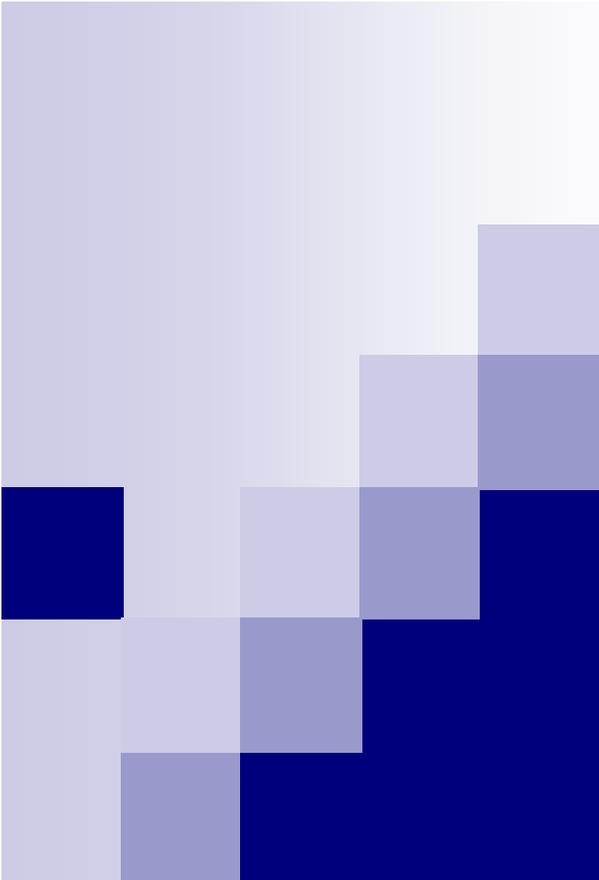


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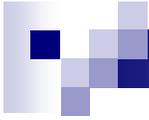
NEXT PRODUCT ⏩

⏪ BACK TO PRODUCT MENU

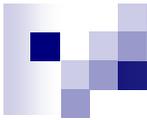
NEXT PRODUCT ⏩

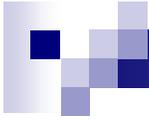


Public Awareness

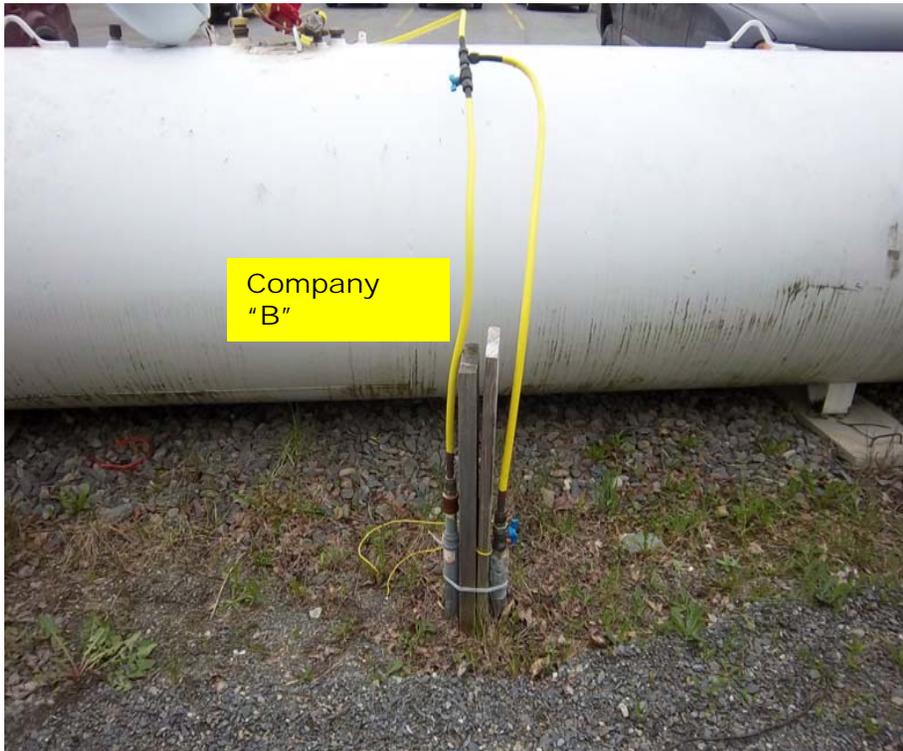


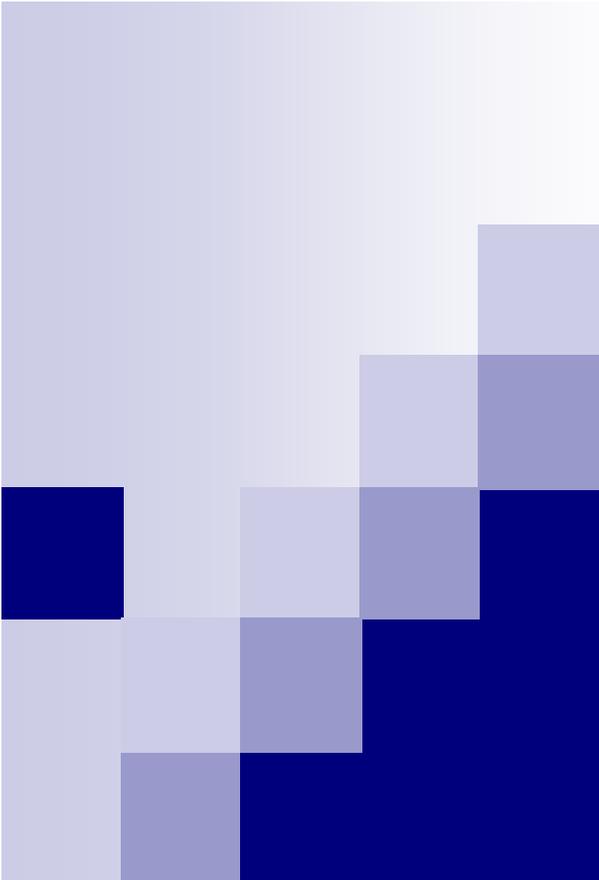
Company
out of
business





Who do you call in an Emergency?





Future Inspections



Field Inspections – Going Forward

- Inspection cycle will be Risk Based – Data Driven – Approximately 5 years
- Request Operator bring Patrol Records, Leak Survey and Cathodic Protection Records to inspection site
- OQ qualified technician to take Cathodic Protection tests at site during the inspection



Field Inspections – Going Forward

- Patrol reports to be compared to conditions found at site
- Review leak testing equipment, line location equipment and O&M manual carried by field technicians
- Position of First Stage Regulator in reference to manifold piping



Records Inspections – Going Forward

- Leak Survey records
 - Previous year and current year records
 - Pressure test reports
 - CGI Tests around UG tanks
 - Type equipment used to perform tests
 - Procedures to perform Leak Survey



Records Inspections – Going Forward

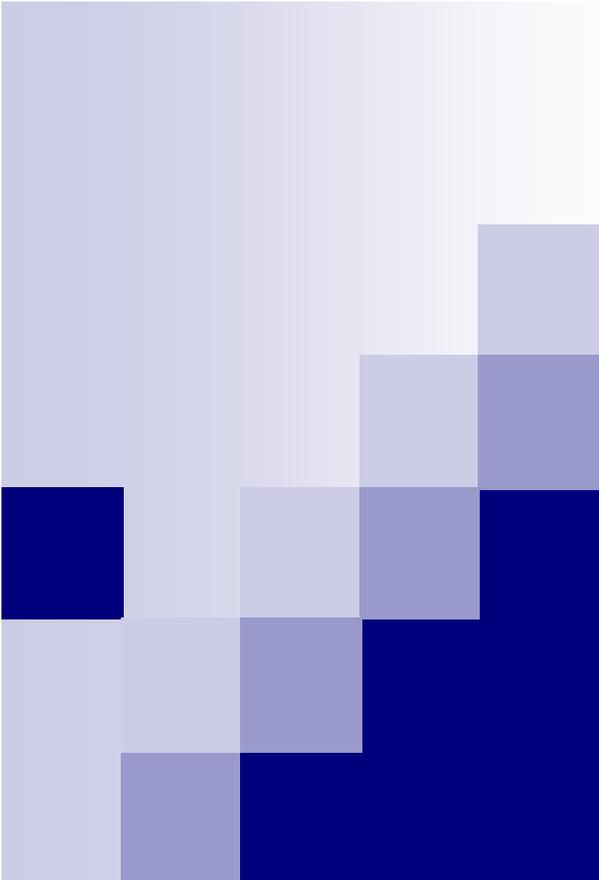
- Cathodic Protection records
 - Previous year and current year records
 - Type of protection on system (if known)
 - Type of equipment used for testing
 - Procedure for taking CP tests



Records Inspections – Going Forward

■ Patrol Records

- Dates and frequency of patrols
- Items reviewed during patrols
- Follow-up reports for any condition(s) noted
- Are patrols covering all seasons



Unusual Sights

Landscaper Loop ?

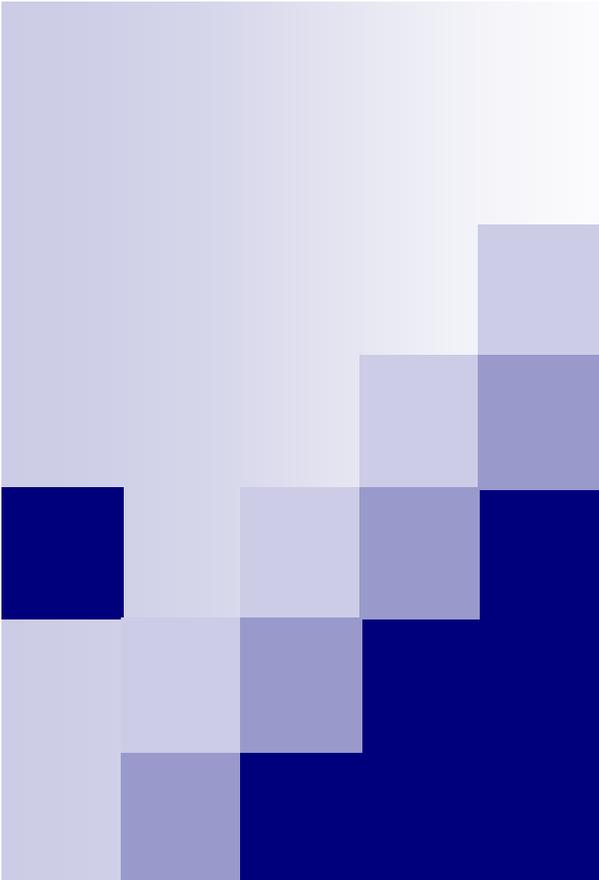


Need Protection from Ice and Snow?



New Style Parking Lot Trash Can ?





New England Pipeline Safety Seminar

October 26 & 27, 2011

Hyannis, MA

Wednesday October 26, 2011

11:00 AM – 1:00 PM: Registration

Noon – 1:00 PM Welcome luncheon (included)

1:00 PM – 1:20 PM Introductions & Opening Remarks - Jolette Westbrook, MA DPU Commissioner

1:20 PM – 2:45 PM Regulation Updates - Overview of recent amendments to the pipeline safety laws, regulations, protocols, FAQs and federal regulatory events (Lane Miller, PHMSA Office of Training & Qualification)

2:45 PM – 3:00 PM Break

3:00 PM – 3:30 PM Control Room Regulations - New inspection results & guidance (Al Schoen, PHMSA)

3:30 PM - 4:00 PM Jurisdictional Propane Systems = NFPA 58/59 comparison of Part 192 Project Team Status & Update (Dave Burnell, NH)

4:00 PM = 4:30 PM Public Awareness - Newly issued guidance and inspection results (Alex Dankanich, PHMSA)

4:30 PM – 5:15 PM Question & Answer Session - All regulations (T&Q only)

Thursday October 27, 2011

7:30 AM – 8:30 AM Breakfast (included)

8:30 AM – 10:00: AM San Bruno, CA – Lessons Learned and Ramifications: NTSB Results, Media Inquiries, Public Awareness, Response Times, MAOP Validation, Record Keeping, Double Seam Welding IMP Risk Ranking Legislative Implications (Randy Knepper, NH PUC, Gary Kenny, ME PUC)

9:00 AM = 2:00 PM Exhibitors: Heath, Southern Cross - Both companies will display the latest in gas detection equipment

10:00 AM – 10:15 AM Break

10:15 AM – 11:00 AM Tennessee Gas Pipeline Line Break - Root Cause Method of Investigation results of transmission line break in Columbiana County, Ohio (Nancy Barton, Tennessee Gas Pipeline)

11:00 AM = 11:30 AM Protecting Gas Facilities from Vehicles - Incidents caused by vehicles damaging meters and other gas facilities and ways to prevent them (Don Ledversis, RI PUC, Gary Kenny, ME PUC)

11:30 AM = 12:00 Noon LPG Odorization - Review of LPG odorization problems and the incident in Norfolk, MA (Stephen Coan, MA SFM; Timothee Rodrique, MA DFS)

12:00 Noon – 1:15 PM Lunch (included)

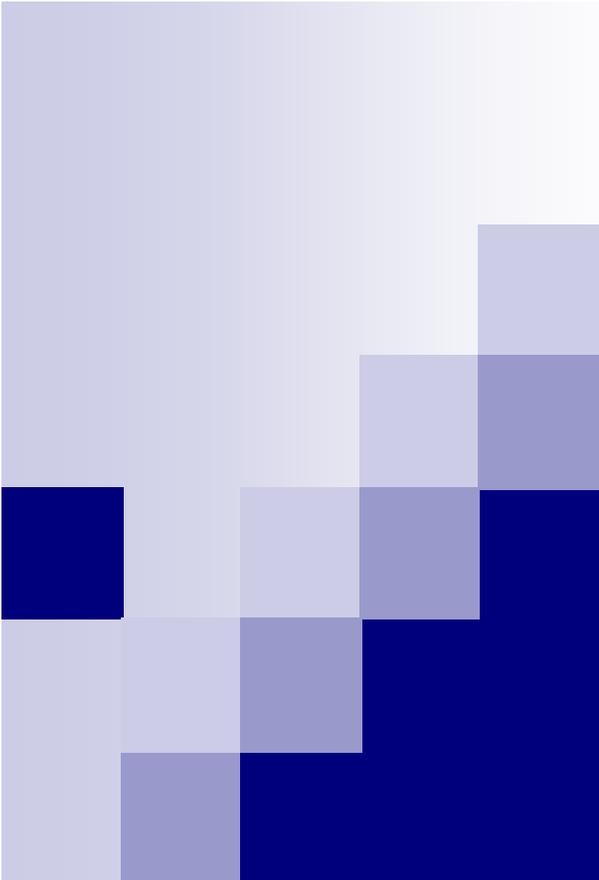
1:15 PM – 2:15 PM Regulator Roundtable - Regulators from CT, MA, ME, NH, RI & VT will discuss current topics of interest in their states

2:15 PM – 3:15 PM State Regulator Response to Q & A - Regulators from CT, MA, ME, NH, RI & VT will discuss the issues developed under the Q & A

3:15 PM – 4:00 PM Ask the Regulator - Open question and answer session on topics of interest to the operators

4:00 PM – 4:15 PM Closing remarks, evaluation, future seminar plans





Thank You!

Next Meeting?