

# FEM/Maximo for 2011 Locks Maintenance Workshop

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# Facility, Equipment and Maintenance (FEM)



# LRD Repair Station & Fleet Status

	Locations	Assets	JPs & PMs	NR WOs
LRH	100 %	100%	100%	10%
LRL	100 %	90%	25%	-
LRN	100 %	50%	25%	-
LRP	100 %	10%	-	10%
LRB	100 %	-	-	-
LRC	-	-	-	-
LRE	-	-	-	-



# Locations of Repair Stations and Fleet in FEM

- LRHK-LON: London Locks and Dam
- LRHK-MAR: Marmet Locks and Dam
- LRHK-WIN: Winfield Locks and Dam
- LRHMRP: Marietta Repair Fleet
  - LRHMRP-X: Marietta Repair Fleet Project Support
- LRHMRS: Marietta Repair Station
  - LRHMRS-X: Marietta Repair Station Project Support
  - LRHMRS-Y: Marietta Repair Station Land
- LRHO-BEL: Belleville Locks and Dam
- LRHO-CAM: Captain Anthony Meldahl Locks and Dam
- LRHO-GRO: Greenup Locks and Dam

- LRNF-DAL: Dale Hollow Lake
- LRNF-JPP: J. Percy Priest Dam and Reservoir
- LRNF-LAU: Laurel River Lake
- LRNF-MAR: Martins Fork Lake
- LRNF-WOL: Wolf Creek Dam and Lake Cumberland
- LRNR-ESS: Nashville Electronics Service Section
- LRNR-NAV: Nashville Navigation Branch
  - LRNR-NAV-M: Navigation Maintenance Section
  - LRNR-NAV-P: Navigation Plant Section
- LRNT-CHI: Chickamauga Lock
- LRNT-ELL: East Loudon Lock

- LRPM-LMP: Point Marion Lock & Dam
- LRPM-LMX: Maxwell Locks & Dam
- LRPO-LOD: Dashields Locks & Dams
- LRPO-LOE: Emsworth Locks & Dams
- LRPO-LOH: Hannibal Locks & Dams
- LRPO-LOM: Montgomery Locks & Dams
- LRPO-LON: New Cumberland Locks & Dams
- LRPO-LOP: Pike Island Locks & Dams
- LRPR-PDT: Pittsburgh Dredging Team Project Office
- LRPR-PEWARS: Pittsburgh Dredging Team Project Office
- LRPR-PEWARS-MB: PEWARS - Maintenance Branch

- LRB: Buffalo District, Operations Division
  - APPMS: LRB-OD APPMS Location
  - LRB-OO: OH Area Floating Plant
  - LRBB-BRL: Black Rock Lock
  - LRBF-MMD: Mount Morris Dam
  - LRBW: Buffalo District Nav Structures

- LRLO-OOB: Ohio River Locks and Dam os
- LRLO-OC: Cannelton Locks and Dam
- LRLO-OJM: John T. Myers Locks and Dam
- LRLO-OMA: Markland Locks and Dam
- LRLO-OMC: McAlpine Lock and Dam
- LRLO-ON: Newburgh Locks and Dam
- LRLO-OO: Olmstead Locks and Dam
- LRLO-OS: Smithland Locks and Dam
- LRLR-LRS: Louisville Repair Station (LRS)
  - LRLR-LRS-F: LRS Floating Plant Section
  - LRLR-LRS-M: LRS Maintenance & Repair Section



# Repair Station and Fleet Assets

FEMS Location and Asset Trees

- + Ohio River Locks and Dam 53  
LRLO-053
- + Cannelton Locks and Dam  
LRLO-0C
- + John T. Myers Locks and Dam  
LRLO-OJM
- + Markland Locks and Dam  
LRLO-OMA
- + McAlpine Lock and Dam  
LRLO-OMC
- + Newburgh Locks and Dam  
LRLO-ON
- + Olmstead Locks and Dam  
LRLO-OO
- + Smithland Locks and Dam  
LRLO-OS
- Louisville Repair Station (LRS)  
LRLR-LRS



- LRS Floating Plant Section  
LRLR-LRS-F
- LRS Maintenance & Repair Section  
LRLR-LRS-M

- + Louisville District Logistics Activity  
LRL-ULA
- + Louisville District APPMS Data Default Site  
LRLAPPMS

- + Nashville District  
LRN
- + Pittsburgh District  
LRP
- + Mississippi Valley Division  
MVD
- + Vicksburg District

Please click on Asset below for sample detail.  
If detail is helpful, content can be changed  
including more detail, readings, ect.



- LRS Floating Plant Section  
H2LRSF)
- + Derrickboat (LD-638)  
H2LRSF638)
- + Barge Storage Steel (LD-640)  
H2LRSF640)
- + Derrickboat (LD-646)  
H2LRSF646)
- + Derrickboat "Brown" (LD-683)  
H2LRSF683)
- + Shopboat (LD-707)  
H2LRSF707)
- + Derrickboat (LD-710)  
H2LRSF710)
- Powerbarge Edgar J. Taylor (LD-727)  
H2LRSF727)
- PB Edgar J. Taylor-707 Machinery  
H2LRSF727-6)
- + PB EJT-707 Mach Pumps  
H2LRSF727-601)
- + PB EJT-707 Mach HVAC System  
H2LRSF727-685)
- + PB EJT-707 Mach Compressed Air System  
H2LRSF727-690)
- + PB Edgar J. Taylor-707 Electrical System  
H2LRSF727-7)
- + Barge Material Flush Deck (LD-730)  
H2LRSF730)

Find:  Select A

List Job Plan Work Assets

Advanced Search Save Query Bookmarks

Job Plans Filter 1 - 20 of 425 Download

Job Plan	Description	id	Status	Duration	Site	Bookmarks
<input type="text" value="%MR%"/>						
<a href="#">H1MRP454</a>	Breathing air compressor 2000 hr.		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP463</a>	Breathing air compressor wk		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP704</a>	No.2 G-D air compressor weekly		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP707</a>	No.2 GD air compressor 8000 hr		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP711</a>	Heating system Yearly		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP714</a>	Air Handler 1 month		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP718</a>	Potable water system 1 yr.		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP735</a>	185 # 1 Gen set 1 wk.		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP737</a>	185 #1 Gen Set 500 hr		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP743</a>	185 #3 Gen Set 500 hr		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP744</a>	185 #4 Gen set 1 wk.		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP745</a>	185 #4 Gen Set 250 hr		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP746</a>	185 #4 Gen Set 500 hr		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP631</a>	CUMMINGS GEN SET DBT51 1000 HR.		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP461</a>	JCB 500 HR.		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP443</a>	Air compressor T-3667 1000 hr.		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP445</a>	Air Compressor F-3913, 500 Hour		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP700</a>	No.1 G-D air compressor weekly		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP702</a>	No.1 G-D air compressor 1 year		ACTIVE	0:00	LRH-OD	
<a href="#">H1MRP703</a>	No. 1 GD air compressor 8000 hr		ACTIVE	0:00	LRH-OD	

Select Records

OK Cancel

# Storerooms

Storerooms

Go To Start Center Profile Sign Out Help

Find: Select Action

List Storeroom Items

Advanced Search Save Query Bookmarks

Storerooms Filter 1 - 10 of 10 Download

Storeroom	Description	Storeroom Type	USACE Org Code	Site
%LR%				=LRL-OD
<a href="#">H2LRS-638</a>	LRS Derrickboat (LD-638) Storeroom	CIVIL	H2R0FC0	LRL-OD
<a href="#">H2LRS-646</a>	LRS Derrickboat (LD-646) Storeroom	CIVIL	H2R0FC0	LRL-OD
<a href="#">H2LRS-683</a>	LRS Derrickboat "Brown" (LD-683) Storeroom	CIVIL	H2R0FC0	LRL-OD
<a href="#">H2LRS-707</a>	LRS Shopboat (LD-707) Storeroom	CIVIL	H2R0FC0	LRL-OD
<a href="#">H2LRS-727</a>	LRS PB Edgar J. Taylor (LD-727) Storeroom	CIVIL	H2R0FC0	LRL-OD
<a href="#">H2LRS-750</a>	LRS WB Russelburg (LD-750) Storeroom	CIVIL	H2R0FC0	LRL-OD
<a href="#">H2LRS-776</a>	LRS M/V JC Thomas (LD-776) Storeroom	CIVIL	H2R0FC0	LRL-OD
<a href="#">H2LRS-777</a>	LRS Crane Barge HM Shreve (LD-777) Store...	CIVIL	H2R0FC0	LRL-OD
<a href="#">H2LRS-ES</a>	LRS Marine Shop Storeroom	CIVIL	H2R0FC0	LRL-OD
<a href="#">H2LRS-MS</a>	LRS Electric Shop Storeroom	CIVIL	H2R0FC0	LRL-OD

Select Records



# Work Orders

Work Order Tracking Bulletins: (1) Go To Start Center Profile Sign Out ? Help

ALLREPAIRJOBS Find:  Select Action Reports

List Work Order Plans Related Records Actuals Safety Plan Log Failure Reporting

Advanced Search Save Query Bookmarks

Work Orders Filter 1 - 20 of 84 Download ?

Work Order	Description	Reported Date	Asset	Crew	Lead	Status	LW Type	PM
<a href="#">11-7402</a>	1200FT LOCK CHAMBER DEWATERING 2010	10/22/2010 7:11:4:PM	H4LOPL01	PEWARS	H4ORXDPS	CLOSE	NR	
<a href="#">10-36702</a>	MIDDLE WALL EMPTY VALVE SPRINGS	07/23/2010 7:22:45:PM	H4LOMLVTEMM	PEWARS		CLOSE		
<a href="#">10-36479</a>	Floating Mooring Bits 600 Chamber	07/21/2010 7:16:53:PM	H4LOML01SB	PEWARS-WC		CLOSE		
<a href="#">10-36131</a>	REPAIRS LIFT GATE 3	07/19/2010 7:30:52:PM	H4LOMDGL03P	PEWARS		CLOSE	BP	
<a href="#">10-36123</a>	REPAIRS LIFT GATE 10	07/19/2010 7:25:12:PM	H4LOMDGL10P	PEWARS		CLOSE	BP	
<a href="#">10-36115</a>	REPAIRS LIFT GATE 9	07/19/2010 7:13:46:PM	H4LOMDGL09P	PEWARS		CLOSE	BP	
<a href="#">H4LOM10-33629</a>	REPAIRS LIFT GATE 7	07/07/2010 7:29:40:PM	H4LOMDGL07P	PEWARS		CLOSE	BP	
<a href="#">10-15965</a>	LK7 RENOVATE DS GATE GATE MACHINERY	04/19/2010 1:42:27:PM	H4LA7L01GS	PEWARS-MA		WAPPR	BP	
<a href="#">10-15964</a>	LK7RENOVATE LW EMPTYING VALVE	04/19/2010 1:41:48:PM	H4LA7LVTEL	PEWARS-MA		WAPPR	BP	
<a href="#">10-15960</a>	RP- LOCK 7 PURCHASE & INSTALL ELECTRI...	04/19/2010 1:39:20:PM	H4LA7LUHVC	PEWARS		WAPPR	BP	
<a href="#">10-15959</a>	7AR ALLEGHENY RIVER , REPAIR VALVE IN...	04/19/2010 1:38:26:PM	H4LA7LUHVC	PEWARS		WAPPR	BP	
<a href="#">10-10392</a>	Upper 600 Lock Gates	03/23/2010 1:35:10:PM	H4LOHL02GMU	PEWARS-MA		CLOSE		
<a href="#">10-9706</a>	500 FT Floating Pin 1200" Lock Chamber	03/19/2010 7:5:36:PM	H4LOHL01SB	PEWARS-MA		CLOSE		
<a href="#">10-9564</a>	Upper & Lower 600 Bottom Gate Latchers	03/17/2010 4:56:14:PM	H4LOHL02	PEWARS-MA		CLOSE		
<a href="#">H4LOE10-9283</a>	Replacment nut end Tension Bar	03/15/2010 4:25:3:PM	H4LOEL	PEWARS-WC	H4ORXGPB	CLOSE	BP	
<a href="#">10-7989</a>	Man Basket (Bantam Crane)	03/09/2010 2:2:26:PM	H4LOHDCAS	PEWARS-ME		CLOSE		
<a href="#">09-7331</a>	600 PUMPOUT REPLACE FLOATING MOORIN...	03/05/2010 7:9:19:PM		PEWARS		CLOSE	BP	
<a href="#">09-7330</a>	600 PUMPOUT SCREEN BARS ( SEE LONG D...	03/05/2010 6:49:22:PM	H4LOPL02	PEWARS		CLOSE	BP	
<a href="#">09-7329</a>	600 PUMPOUT HYDRAULIC PIPE WORK (SEE...	03/05/2010 6:29:34:PM	H4LOPL02	PEWARS		CLOSE	BP	
<a href="#">09-7326</a>	600 PUMPOUT GATE REPAIR (SEE LONG DE...	03/05/2010 5:25:6:PM		PEWARS		CLOSE	NR	

Select Records



# Start Center

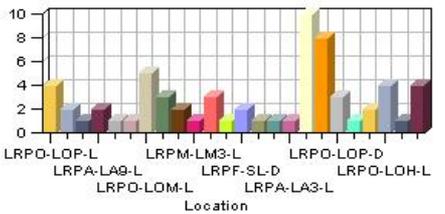
- First screen that comes up after you login into FEM.
- Can be customized for each individual user.
- Takes a **one time set up**.
- Acts like the dashboard on your vehicle from where your navigation begins.



### Repair Party Jobs

Chart Type: [BAR](#) View By: [Location](#)

All Repair Jobs (By Location)



Location	Value	Percent (%)
LRPO-LOP-L	4	6.25
Undefined	2	3.12
LRPO-LOH-D	1	1.56
LRPA-LA9-L	2	3.12
LRPA-LA9-X	1	1.56
LRPA-LA2-L	1	1.56
LRPO-LOM-L	5	7.81
LRPM-LM2-L	3	4.69
LRPF-NWW-D	2	3.12
LRPM-LM3-L	1	1.56
LRPA-LA8-L	3	4.69
LRPF-NE-D	1	1.56
LRPF-SL-D	2	3.12
LRPF-NK-X	1	1.56
LRPO-LOP	1	1.56
LRPA-LA3-L	1	1.56
LRPO-LOE-L	10	15.62
LRPA-LA7-L	8	12.5
LRPO-LOP-D	3	4.69
LRPA-LA5-L	1	1.56
LRPA-LA6-L	2	3.12
LRPO-LOH-L	4	6.25
LRPM-LMP-L	1	1.56
LRPO-LOM-D	4	6.25

[List View](#)

### Non Routine Work Orders

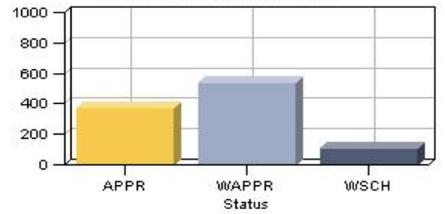
Work Order	Local Work Type	Status Date	Asset	Description	Failure Class	Problem Code	Status
09-2056	NR	09/23/2009 5:30:41:PM	H1MRPFPT1HVAC	C-K Electric to install valve in CU-8 plenum deck of the Eddy			APPR
09-1833	NR	09/23/2009 12:45:33:PM	H1MRPMHLIF2	Mits. Fork Water Pump			APPR

[Set Graph Options](#) 1 to 2 of 2

### Routine Work Orders (JPs and PMs)

Chart Type: [BAR](#) View By: [Status](#)

H1MR Routine WOs (By Status)



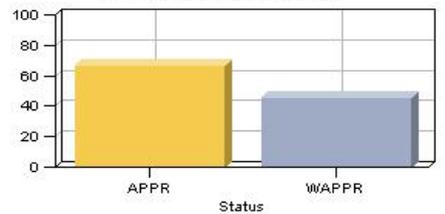
Status	Value	Percent (%)
APPR	376	36.72
WAPPR	538	52.54
WSCH	110	10.74

[List View](#)

### Current Month Work Orders

Chart Type: [BAR](#) View By: [Status](#)

H1MR Current WOs (By Status)



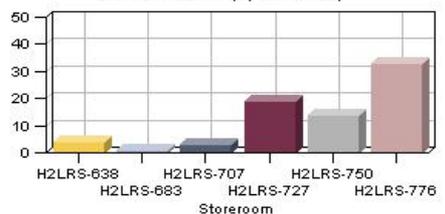
Status	Value	Percent (%)
APPR	67	59.29
WAPPR	46	40.71

[List View](#)

### Storeroom

Chart Type: [BAR](#) View By: [Storeroom](#)

StoreRoom Items (By Storeroom)



Storeroom	Value	Percent (%)
H2LRS-638	4	5.41
H2LRS-683	1	1.35
H2LRS-707	3	4.05
H2LRS-727	19	25.68
H2LRS-750	14	18.92
H2LRS-776	33	44.59

# FEM – Its what you make it

## What it is not -

- Maintenance Micromanagement
- Waste of Time
- A76 Competitive Review
- Outsourcing Plan
- Generating meaningless performance numbers

## What it is and can do -

- Network based Maintenance tracking tool
- Eliminates repetitive tracking and scheduling efforts
- Maintenance Planner
- Provide a platform for archiving system's information
- Consistent/standard maintenance program across District, Division, and Corps.
- And much more...

