

City of Ames

Parks & Recreation

Fall Workshop

September 24, 2009

Communicating With Staff Through Technology

Presented by Lorrie Hanson,

City of Ames Resource Recovery Plant

Communicating With Staff Through Technology

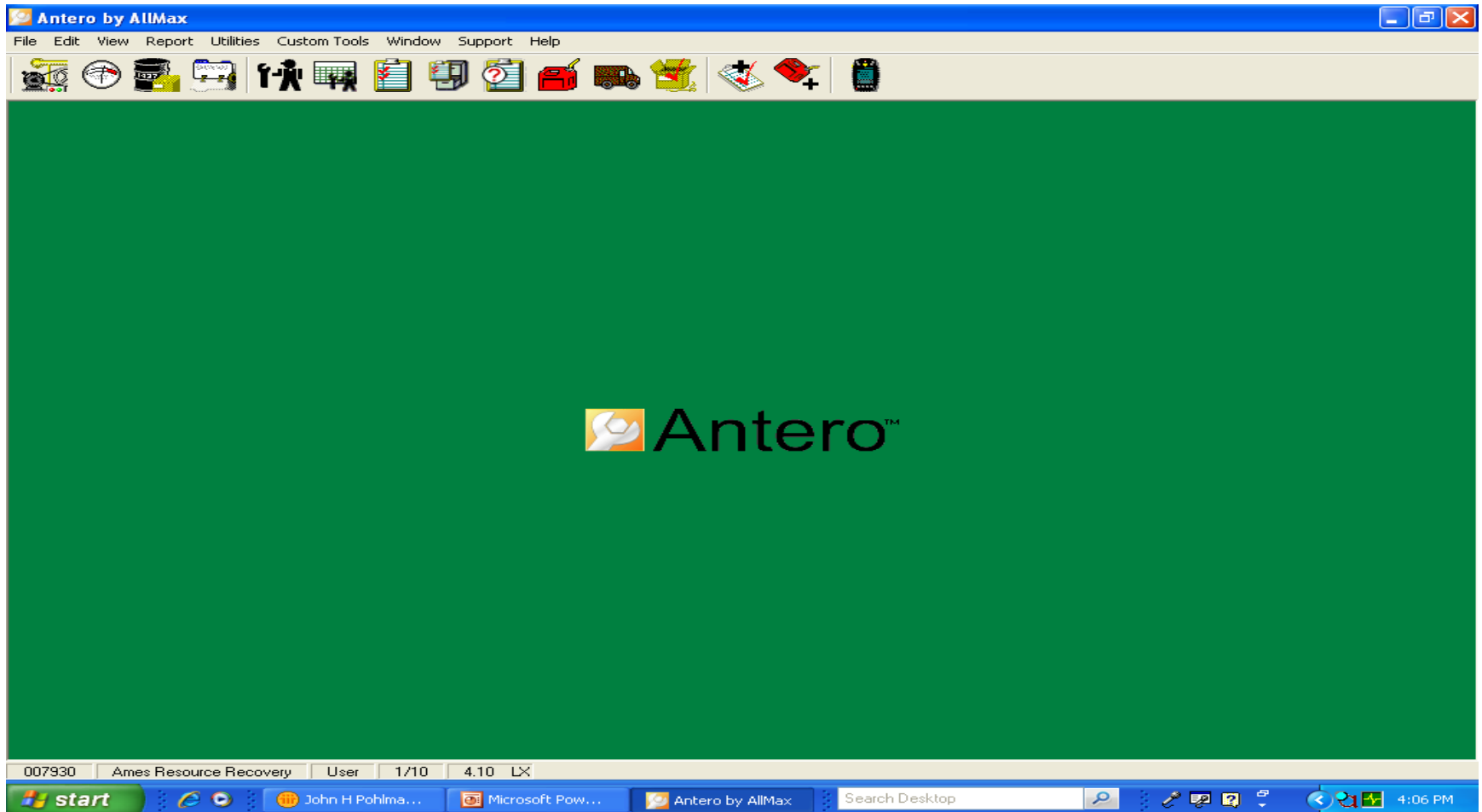
- City of Ames has several facilities that receive maintenance on various items
- Facilities are different departments and/or divisions
- How can we keep track of all maintenance that needs done, in specific areas?
- How can we communicate that these tasks have been completed?

Communicating With Staff Through Technology

We use **AllMax Software Antero Maintenance Data Management** to ensure an efficient and productive operation:

- Resource Recovery Plant
- Water & Pollution Control Facility
- Parks & Recreation
- Water Treatment Plant

Communicating With Staff Through Technology



Communicating With Staff Through Technology

Antero by AllMax

File Edit View Report Utilities Custom Tools Window Support Help

Equipment

129 Records

Equipment List Equipment Detail

Equip No	Description	Eq Type	Location	Assembly	Department
1 M BRG	1 MILL BEARING OIL TANK & PUMP	PROCES	PROCES	#1 mill	
1 MILL	PRIMARY SHREDDER	PROCES	PROCES	#1 mill	
1 MILL CURTAINS	RUBBER			#1 mill	
1 MILL MTRCLGFN	1 MILL MOTOR COOLING FAN	PROCES	PROCES	#1 mill	
1 MOTOR	PRIMARY SHREDDER MOTOR			#1 mill	
1 RDS	PRIMARY ROTARY DISC SCREEN	PROCES	PROCES	#1 RDS	
2 FAN	2 MILL BEARING COOLING FANS			#2 mill	
2 MILL	SECONDARY SHREDDER	PROCES	PROCES	#2 mill	
2 MOTOR	SECONDARY SHREDDER MOTOR	PROCES	PROCES	#2 mill	
2 RDS	SECONDARY ROTARY DISC SCREEN	PROCES	PROCES	#2 mill	
4160INC	4160 BREAKER INCOMING POWER	CONTRO	E ROOM	Breakers	
4160PRI	4160 BREAKER 1 MILL	CONTRO	E ROOM	Breakers	
4160PSI	4160 BREAKER PSI BLOWER	CONTRO	E ROOM	Breakers	
4160SEC	4160 BREAKER 2 MILL	CONTRO	E ROOM	Breakers	
ADS BAGS	ADS BAGS	PROCES	ROOF		
ADS/PDS	AIR-CURE 252KF12 FILTER QTY	PROCES	PROCES		
ADS/PDS PURGE PUMF	ADS/PDS PURGE PUMP	PROCES	PROCES		
Air Classifier	Air Classifier	PROCES	PROCES		
Air Knife Blower				Air Knife	
Air Knife Roller				Air Knife	
Air Tools	Air Tool Inventory	MAINT	BUILDING		

007930 Ames Resource Recovery User 1/10 4.10 LX

start John H Pohlma... Microsoft Pow... Antero by AllMax Search Desktop 4:07 PM

Communicating With Staff Through Technology

The screenshot displays the 'Antero by AllMax' software interface. The main window is titled 'Equipment' and shows details for a specific piece of equipment. The 'Equipment List' tab is active, displaying '1 MILL' and 'PRIMARY SHREDDER'. The 'Equipment Detail' section is divided into several tabs: 'General', 'Detail', 'Meter/Gauge', 'Part', and 'Work Order'. The 'General' tab is selected, showing fields for 'Loc Code' (PROCES), 'Eq Type' (PROCES), 'Equip. Priority', 'Assembly' (#1 mill), and 'Department'. The 'Detail' tab shows 'Vendor' (AMPULV), 'Model No.', 'Serial No.', and 'Manufacturer'. The 'Work Order' tab shows 'In Service' and 'Out Of Service' options. Below the equipment details is a table of 'Associated Tasks'.

Task Code	Description	Completed	Type	Priority
BLOMTR	BLOW OUT MOTORS THOROUGHLY	7/27/2009	Sched	5
CHGOIL	CHANGE AND SAMPLE OIL IN PILLOW BLOCK & MOTOR BEAR	9/3/2009	Sched	5
INSP01	WEEKLY INSPECTION OF HAMMERMILL SHREDDER	9/8/2009	Sched	5
VIBRAT	VIBRATION ANALYSIS	8/24/2009	Sched	5

The Windows taskbar at the bottom shows the system tray with the time 4:07 PM and the taskbar with open applications: John H Pohlma..., Microsoft Pow..., and Antero by AllMax.

Communicating With Staff Through Technology

The screenshot displays the 'Antero by AllMax' software interface. The main window is titled 'Equipment' and shows a detailed view for '1 MILL' (PRIMARY SHREDDER). The interface includes a menu bar (File, Edit, View, Report, Utilities, Custom Tools, Window, Support, Help) and a toolbar with various icons. The 'Equipment Detail' tab is active, showing a table of parts with columns for Part No, Description, Task, and Comments. The table lists various components like seals, gaskets, sight glasses, pressure switches, bolts, and hammers, along with their respective tasks and comments.

Part No	Description	Task	Comments
1 mill curtains	7/8"x43"x108"	kaman	
1050G	SEAL & GASKET KIT JACK SHAFT	APCO	
B1604-11	#1MILL SIGHT GLASS	OIL-RITE CORP. STR LVG 3/8 MNPT 2-3/8 ST	
B36-A1	PRESSURE SWITCH 600V AC MAX 5A	#1 MILL RECIRCULATING PRESSURE SWITCH ALLEN BRADLEY	
BA125X0400G8	BOLT, HEX HD #40	APCO	
BC100X0400G8	BOLT, CSK HD	APCO	
cotter keys 1/2"x5"	48 row hammer shafts	Hokel	
CPG00092	COUPLING, HALF	APCO	
D7658	LOCKNUT, FLYWHEEL	APCO	
DA-14313 WCP	CAP ARM SPIDER 40 HAMMER	APCO	
DA-14314	SHAFT, HAMMER 40 row rotor	APCO	
DA-14336	HAMMERS, SHREDDER 2" SCRAP	APCO	
DA-14338-M	CAP, DISC, END, ROTOR 40 HAMMER	APCO	
DA-2632	FLINGER, OIL OUTSIDE 7268	APCO	
DA-2633-A	FLINGER, OIL INSIDE	APCO ONPRINT 7269A	

007930 Ames Resource Recovery User 1/10 4.10 LX

start John H Pohlma... Microsoft Pow... Antero by AllMax Search Desktop 4:08 PM

Communicating With Staff Through Technology

The screenshot displays the Antero by AllMax software interface. The main window is titled "Equipment" and shows details for a "PRIMARY SHREDDER". The interface includes a menu bar (File, Edit, View, Report, Utilities, Custom Tools, Window, Support, Help) and a toolbar with various icons. The main content area is divided into sections for "Equipment List" and "Equipment Detail". The "Equipment Detail" section shows the equipment number "1 MILL" and a "Copy From" button. Below this, there are tabs for "General", "Detail", "Meter/Gauge", and "Part", along with a "Work Order" button. The "Open" section contains a table with columns for Date, Task, Description, WO #, Type, and Reason. The "History" section also contains a similar table. The Windows taskbar at the bottom shows the Start button, several open applications (John H Pohlma..., Microsoft Pow..., Antero by AllMax), a search bar, and the system clock (4:09 PM).

Antero by AllMax

File Edit View Report Utilities Custom Tools Window Support Help

Equipment

Equipment List Equipment Detail

Equip No 1 MILL PRIMARY SHREDDER Copy From

General Detail Meter/Gauge Part Work Order

Open

Date	Task	Description	WO #	Type	Reason
8/25/2009	BLOMTR	BLOW OUT MOTORS THOROUGHLY	13065	Sched	By Date
9/15/2009	INSP01	WEEKLY INSPECTION OF HAMMERMILL SHREDDER	13154	Sched	By Date
9/22/2009	VIBRAT	VIBRATION ANALYSIS	13155	Sched	By Date

History

Date	Task	Description	WO #	Type	Reason
3/6/1959	INSP01	WEEKLY INSPECTION OF HAMMERMILL SHREDDER	1658	Sched	By User
5/8/1980	INSP01	WEEKLY INSPECTION OF HAMMERMILL SHREDDER	5088	Sched	By User
7/13/1992	INSP01	WEEKLY INSPECTION OF HAMMERMILL SHREDDER	7	Sched	By User
7/27/1992	VIBRAT	VIBRATION ANALYSIS	25	Sched	By User
7/29/1992	INSP01	WEEKLY INSPECTION OF HAMMERMILL SHREDDER	27	Sched	By User

007930 Ames Resource Recovery User 1/10 4.10 LX

start John H Pohlma... Microsoft Pow... Antero by AllMax Search Desktop 4:09 PM

Communicating With Staff Through Technology

The screenshot displays the 'Antero by AllMax' software interface, specifically the 'Work Order Scheduler' window. The main window title is 'Work Order Scheduler' and it shows '144 Records'. The interface is divided into several sections:

- Detail Section:** Contains fields for 'Equip No' (T MILL) and 'Task Code' (CHGOIL). The equipment is identified as 'PRIMARY SHREDDER' and the task as 'CHANGE AND SAMPLE OIL IN PILLow BLOCK & M'. There are buttons for 'Instructions' and 'Copy PMs'.
- Scheduler Section:** Includes tabs for 'Scheduler', 'Parts', 'Labor', 'Subcontractor', and 'Attached Work Orders'. It features input fields for 'Date Last Scheduled' (8/24/2009), 'Date Last Completed' (9/3/2009), 'Priority' (5), 'Type' (Sched), and 'Days Till Delinquent' (30). There is also a 'Current Open WO' field.
- Scheduling Options:** Includes radio buttons for 'By Date' (checked), 'By Meter/Gauge', 'By Calendar', and 'By Work Order'. A checkbox for 'Enable' is present, with a note that enabling 'By Calendar' scheduling will disable 'By Day' and 'By Meter' scheduling.
- Status and Calendar:** The status is 'Not Enabled'. There are sections for 'Months' (Jan-Jun, Jul-Dec) and 'Days of Week' (Sun-Sat) with checkboxes for each. 'Mark All' and 'Unmark All' buttons are provided for both sections.

The Windows taskbar at the bottom shows the system tray with the time 4:23 PM and the taskbar with several open applications: 'start', 'Lorrie Hanson ...', 'Microsoft Pow...', and 'Antero by AllMax'. The system tray also includes a search bar and various utility icons.

Communicating With Staff Through Technology

Antero by AllMax

File Edit View Report Utilities Custom Tools Window Support Help

Open Work Order

1 of 55 Records

Log as Complete

Include: Reason EQ Priority Date Compl

W/O #	Equip No	Task	Description	Priority	Reason	EQ I	Date
12937	TRK740	TRKCLN	TRUCK - CLEAN	5	By Date		
12955	ALF	ALFCHK	WEEKLY SERVICE AND INSPE	6	By Date		
12963	DINGS	ROUTIN	ROUTINE MAINTENANCE OF E	6	By Date		
12970	TF FAN	RFMAIN	ROOF FAN MAINTENANCE ROL	6	By Date		
12974	MISC	CHKLIT	CHECK LIGHTING & REPLACE E	4	By Date		
13021	C-5B	ROUTIN	ROUTINE MAINTENANCE OF E	6	By Date	2	
13025	Emergency Li	MISC	Miscellaneous as assigned	3	By Date		
13030	BATTERIES	BATT 1/4LY	QUARTERLY BATTERY INSPEC	2	By Date	2	
13035	AIRGATE	INSPECTIO	INSPECTION	3	By Date		
13042	ERIEZ ELECT	Unlisted		5	By User	1	
13049	PAFIRE	FIREWE	WEEKLY INSPECTION OF FIRE	6	By Date		
13052	TFIRE	FIREWE	WEEKLY INSPECTION OF FIRE	6	By Date		
13059	2 MILL	CHGOIL	CHANGE AND SAMPLE OIL IN F	5	By Date		
13064	OFF AIR	FILT WASH	CHANGE FILTERS AND WASH	5	By Date		
13065	1 MILL	BLOMTR	BLOW OUT MOTORS THOROU	5	By Date		
13071	C-3A	GBD	CHANGE GEARBOX OIL	5	By Date		
13079	2 MILL	VIBRAT	VIBRATION ANALYSIS	6	By Date		
13080	C-15	ROUTIN	ROUTINE MAINTENANCE OF E	6	By Date		
13081	C-2	ROUTIN	ROUTINE MAINTENANCE OF E	1	By Date		

007930 Ames Resource Recovery User 1/10 4.10 LX

start | Lorrie Hanson ... | Microsoft Pow... | Antero by AllMax | Search Desktop | 4:24 PM

Communicating With Staff Through Technology

The screenshot displays the Antero by AllMax software interface. The main window is titled "Open Work Order" and shows details for a specific work order. The interface includes a menu bar (File, Edit, View, Report, Utilities, Custom Tools, Window, Support, Help) and a toolbar with various icons. The "Open Detail" tab is active, showing fields for "WD # 12937", "Date Scheduled 7/15/2009", "Date Delinquent 7/22/2009", "Date Printed 7/3/2009", "Date Completed", "Equipment DownTime Shutdown:", "Startup:", and "Total Hours:". The task code is "TRKCLN" and the task description is "TRUCK - CLEAN". The status is "Open". Below this, there are tabs for "General", "Meter/Gauge", "Part", "Labor", and "SubContractor". The "General" tab is selected, showing "Type Sched", "Priority 5", "Reason By Date", and "By User". The "Instructions" field contains a list of tasks: "CLEAN WINDOWS INSIDE & OUT", "CLEAN INTERIOR BLOW OUT & WIPE DOWN", "WASH EXTERIOR", and "CHECK OFF EACH ITEM WHEN COMPLETED". The "Completed WD Notes" field shows a note: "2/27/2009: 3/4/09: cleaned and washed". The bottom of the screen shows the Windows taskbar with the start button, system tray, and active applications including "Ames Resource Recovery", "User", "1/10", "4.10 LX", "Lorrie Hanson ...", "Microsoft Pow...", "Antero by AllMax", and "Search Desktop". The system clock shows "4:25 PM".

Antero by AllMax

File Edit View Report Utilities Custom Tools Window Support Help

Open Work Order

55 Records

Log as Complete

Open List Open Detail

WD # 12937 Date Scheduled 7/15/2009 Date Delinquent 7/22/2009 Date Printed 7/3/2009 Date Completed Equipment DownTime Shutdown: Startup: Total Hours:

Equip No TRK740 Task Code TRKCLN TRUCK - CLEAN Status Open

General Meter/Gauge Part Labor SubContractor

Type Sched Priority 5 Reason By Date By User

Instructions:

- * CLEAN WINDOWS INSIDE & OUT
- * CLEAN INTERIOR BLOW OUT & WIPE DOWN
- * WASH EXTERIOR
- CHECK OFF EACH ITEM WHEN COMPLETED

Completed WD Notes

2/27/2009: 3/4/09: cleaned and washed

007930 Ames Resource Recovery User 1/10 4.10 LX

start

Lorrie Hanson ... Microsoft Pow... Antero by AllMax Search Desktop 4:25 PM

Communicating With Staff Through Technology

Antero by AllMax

File Edit View Report Utilities Custom Tools Window Support Help

Work Order History

1 of 18408 Records

History List History Detail

Include: Reason Sch Date W/O Priority

All All All All

Completed	Equip No	Task Code	Description	W/O #	Reason	Sch Date	W/O I
9/10/2009	TRK165	TRKCLN	TRUCK - CLEAN	13135	By Date	9/10/2009	5
9/9/2009	Air Tools	Air Invent	Air Tool Inventory	13039	By Date	8/17/2009	5
9/9/2009	EX INSP	FIREX1	FIRE EXTINGUISHER INVENTORY	13132	By Date	9/16/2009	6
9/9/2009	EX INSP	FIREX2	FIRE EXTINGUISHER INVENTORY	13133	By Date	9/16/2009	6
9/9/2009	MISC	OILINV	OIL & GREASE INVENTORY	13134	By Date	8/31/2009	4
9/9/2009	WELDGAS	WELD01	PREVENTATIVE MAINTENANCE CH	13053	By Date	8/27/2009	6
9/8/2009	1 MILL	INSP01	WEEKLY INSPECTION OF HAMMEF	13017	By Date	8/13/2009	5
9/8/2009	1 MILL	VIBRAT	VIBRATION ANALYSIS	13038	By Date	8/17/2009	5
9/8/2009	2 FAN	ROUTIN	ROUTINE MAINTENANCE OF EQUI	13054	By Date	8/26/2009	6
9/8/2009	2 MILL	INSP01	WEEKLY INSPECTION OF HAMMEF	13078	By Date	8/31/2009	6
9/8/2009	ADS/PDS	ADS/PDSFLT	CHANGE ADS/PDS PURGE PUMP I	13067	By Date	8/26/2009	5
9/8/2009	Air Knife Blower	COMP01	PREVENTATIVE MAINTENANCE CH	13095	By Date	9/3/2009	5
9/8/2009	C-1	ROUTIN	ROUTINE MAINTENANCE OF EQUI	13045	By Date	8/26/2009	1
9/8/2009	C-1	SHAFT	SHAFT	13032	By Date	8/12/2009	3
9/8/2009	C-13	ROUTIN	ROUTINE MAINTENANCE OF EQUI	13047	By Date	8/26/2009	6
9/8/2009	C-13 AIR KNIFE	C-13 AIR K	C-13 AIR KNIFE INSPECTION	13063	By Date	8/25/2009	5
9/8/2009	C-15	GBO	CHANGE GEARBOX OIL	13076	By Date	8/30/2009	5
9/8/2009	C-21	ROUTIN	ROUTINE MAINTENANCE OF EQUI	13069	By Date	8/25/2009	5
9/8/2009	C-4	ROUTIN	ROUTINE MAINTENANCE OF EQUI	13055	By Date	8/26/2009	6

007930 Ames Resource Recovery User 1/10 4.10 LX

start | Lorrie Hanson ... | Microsoft Pow... | Antero by AllMax | Search Desktop | 4:27 PM

Communicating With Staff Through Technology

Antero by AllMax

File Edit View Report Utilities Custom Tools Window Support Help

18408 Records

History Detail

WD #	3053	Date Scheduled	8/27/2009	Date Delinquent	9/3/2009	Date Printed	8/17/2009	Date Completed	9/9/2009	Equipment DownTime Shutdown:	...
Equip No	WELDGAS	WELDER GAS POWERED WELDER PORT						Date Created	8/17/2009	Startup:	...
Task Code	WELD01	PREVENTATIVE MAINTENANCE CHECK & SERVICE OF						Total Hours:			
Loc Code	EAST SHOP	EAST SHOP PROCESS AREA									

General Meter/Gauge Part Labor Vendor

Type: **Sched** Priority: **6** Reason: **By Date** By: **User**

Instructions:

SCHEDULED, MONTHLY

CHECK OIL AND GAS, START AND RUN A MINIMUM OF TEN MINUTES. ATTACH TRICKLE CHARGER WHEN FINISHED, AND USE GAS STABILIZER WHEN STORING FOR AN EXTENDED PERIOD. Change oil every 12 months; last changed 4/11/06.

Completed W/O Notes

Cleaned, inspected, and ran. Need 4 quarts oil for oil change please.

007930 Ames Resource Recovery User 1/10 4.10 LX

start | Lorrie Hanson ... | Microsoft Pow... | Antero by AllMax | Search Desktop | 4:27 PM

Communicating With Staff Through Technology

The screenshot displays the 'Antero by AllMax' software interface. The main window is titled 'Open Work Order' and shows a form for managing work orders. The form includes fields for 'WO #' (13157), 'Date Scheduled', 'Date Delinquent', 'Date Printed', and 'Date Completed'. There are also fields for 'Equipment Down Time Shutdown', 'Startup', and 'Total Hours'. The form is organized into tabs: 'Open List', 'Open Detail', 'General', 'Meter/Gauge', 'Part', 'Labor', and 'SubContractor'. The 'General' tab is active, showing 'Type', 'Priority', 'Reason', and 'By' (User) fields. Below these are two large text areas for 'Instructions' and 'Completed WO Notes'. The interface is set against a green background. The Windows taskbar at the bottom shows the 'start' button, several open applications including 'Lorrie Hanson ...', 'Microsoft Pow...', and 'Antero by AllMax', a search bar, and the system clock showing 4:29 PM.

Communicating With Staff Through Technology

Antero by AllMax
File Edit View Report Utilities Custom Tools Window Support Help

DataPort

Setup Import

DataPort ID
Facility Ames Resource Recovery

Meter/Gauge Part W/D

Equipment	Name	Type	Units	DP
▶ 1 MILL	Gauge	Gauge		<input type="checkbox"/>
1 MILL	Meter	Meter		<input type="checkbox"/>
ALF	Gauge1	Gauge		<input type="checkbox"/>
ALF	Gauge2	Gauge		<input type="checkbox"/>
ALF	Meter1	Meter		<input type="checkbox"/>
C-1	Meter1	Meter		<input type="checkbox"/>
C-1	Gauge1	Gauge		<input type="checkbox"/>
C-1	Gauge2	Gauge		<input type="checkbox"/>
DAY LOG	C-1 run time	Meter	hours	<input type="checkbox"/>
DAY LOG	C-13 hour meter	Meter	hours	<input type="checkbox"/>
MISC	Meter1	Meter		<input type="checkbox"/>
MISC	Gauge1	Gauge		<input type="checkbox"/>
MISC	Gauge2	Gauge		<input type="checkbox"/>
PA AIR	Gauge2	Gauge		<input type="checkbox"/>
PA AIR	Meter1	Meter		<input type="checkbox"/>

Mark All
Unmark All
Mark Selected
Unmark Selected

007930 Ames Resource Recovery User 1/10 4.10 LX

start | Search Desktop | 4:29 PM

Communicating With Staff Through Technology

How has it helped us?

- Provides information for insurance reviews
- Provides history for all manner of inquiry
- Increased communication between shifts
- Reduced downtime
- Track inventory
- Improve productivity
- Streamline and simplify data collection and management

Communicating With Staff Through Technology

- Questions?