

3

ACCOUNT VIEWER

ACCOUNT VIEWER: an Overview

Getting General Information

Getting Production Information

Getting Equipment Information

ACCOUNT VIEWER™ : an Overview

Once you've located a particular mill, you're now in a position to look at detailed information on that mill. As you can see from the menu below (the lower portion of ACCOUNT VIEWER), the information has been organized into a series of individual modules. By clicking on any of the buttons below, you will call up screens with more detailed information.

General	Production	Equipment	Custom Modules
Site Information	Paper	Process Equipment	Forming Fabrics
Personnel	Pulp	Process Controls	Press Roll
Corporate	Water and Waste	Projects	
Sales Territories	Costs		
Add/Edit Sites, Names	Prices		

The pages that follow will give you a glimpse of the screens that come into view and what information you will find—when you click on any of the above buttons.

Getting General Information

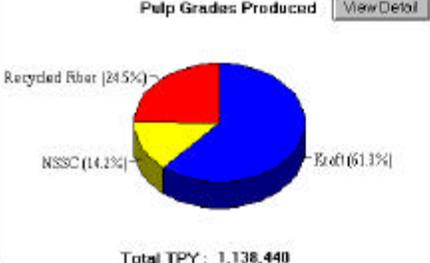
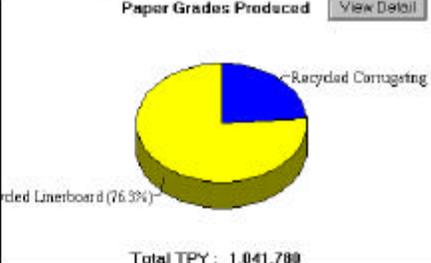
General information about a mill includes address information, personnel, corporate ownership, sales territory assignments and the opportunity to edit information. You access this information by clicking the buttons located in the bottom left corner of ACCOUNT VIEWER. The following pages will explain the details and features of each screen.

- **SITE INFORMATION.** Address detail, telephone and fax numbers, pulp and paper production snapshot, mill ownership.
- **PERSONNEL.** Key decision makers, titles, areas of responsibilities.
- **CORPORATE INFORMATION.** Information about the corporate owner of the mill.
- **SALES TERRITORIES.** Lets you assign your own sales territories, districts or regions to any mill in the database.
- **ADD/EDIT SITES, NAMES.** Add your own contact names, telephone numbers, locations.



Site Information

The SITE INFORMATION screen provides a general snapshot of the mill—the “who,” “what,” and “where.” Clicking on the **Site Information** button, located at the bottom left of the main ACCOUNT VIEWER screen, after you have highlighted a mill will produce a screen that looks as follows.

Mill Information 0030 Weyerhaeuser Co. Weyerhaeuser Paper Co. Valliant, OK 74764		Locate Return Add/Edit Site Feed - back	Ownership Weyerhaeuser Co. 100.0
Phone Numbers Phone: (405) 933-7211 FAX: (405) 933-1438		Region: Southwest Territory: Unassigned Salesman: Priority: Acct. Code:	
Mailing Address P.O. Box 890 Valliant, OK 74764 United States		Shipping Address Highway 70 West Valliant, OK 74764 United States	
Industry: Paper Location: Mill	Type: Integrated Employees: 900	Year Built: 1971 Est. Sales: \$315,414,750	Source: Fisher Comments:
Pulp Grades Produced View Detail 		Paper Grades Produced View Detail  	

AT A GLANCE

SITE INFORMATION provides you with the following information:

- Mailing and shipping address
- Site number (A number we assign each mill)
- Ownership
- Phone numbers
- Mailing address
- Shipping address
- Type of mill
- Year built
- Estimated sales
- Pulp grades produced
- Paper grades produced

Personnel

The PERSONNEL screen identifies the key decision-makers at each mill. Because a person’s title doesn’t necessarily indicate his or her full range of responsibility, decision makers are listed by “area of responsibility” rather than by “title”. This information can be accessed by clicking on the **Personnel** button located on the main ACCOUNT VIEWER screen. Here is a look at a typical screen:



AT A GLANCE

PERSONNEL provides you with the following information:

- Responsibility
- First and Last Names
- Title
- Name of Line

VIEWING OPTIONS

You can view personnel in two ways: (1) by area of responsibility and (2) by last name. The screen shot above is organized by area of responsibility. To switch views, you click on the **View by Name** button located just under the *Mill Information* section in the left-corner of the screen.

ADDING OR EDITING NAMES

If you have other contacts at the mill or if you have notes on an individual, you can enter that information. To access the editing screen, press the **Add/Edit Names** button located at the top of the screen. For more information on how to take advantage of this feature, see page 33.

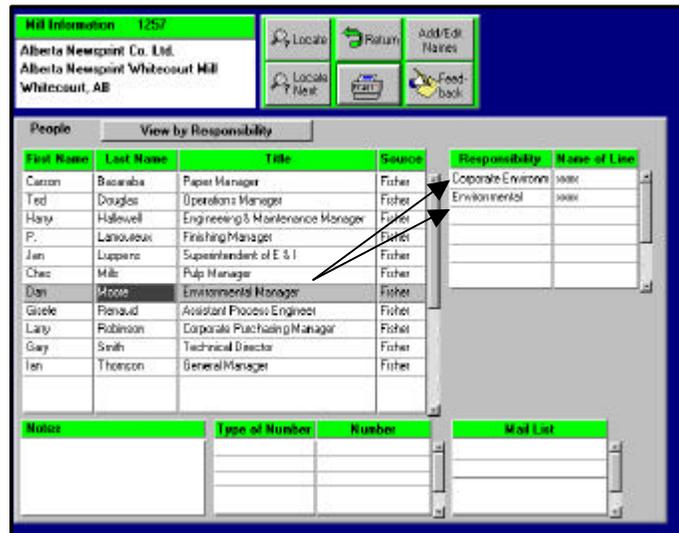
VIEWING PERSONNEL BY NAME

PERSONNEL (VIEW BY NAME) screen lists personnel alphabetically by last name.

To see detailed information on an individual, highlight the name by clicking on it with your mouse. The *Responsibility*, *Notes*, *Numbers* and *Mailing List* sections change to show information for that individual. If an individual is in charge of more than one area, they will have multiple responsibilities listed.

Example: Dan Moore is the Environmental Manager for this mill as well as being in charge on the corporate level.

The “xxxx” under the *Name of Line* section means that field does not apply to that individual. Dan Moore is in charge of environmental issues at the mill, but he is not in charge of any particular line.



First Name	Last Name	Title	Source	Responsibility	Name of Line
Carson	Bacaraba	Paper Manager	Fisher	Corporate Environm	xxxx
Ted	Douglas	Operations Manager	Fisher	Environmental	xxxx
Harry	Hollwell	Engineering & Maintenance Manager	Fisher		
P.	Laroucheux	Finishing Manager	Fisher		
Jean	Luppens	Superintendent of E & I	Fisher		
Chris	Mills	Pulp Manager	Fisher		
Dan	Moore	Environmental Manager	Fisher	Environmental	xxxx
Givelle	Pleau	Assistant Process Engineer	Fisher		
Larry	Robinson	Corporate Purchasing Manager	Fisher		
Gay	Smith	Technical Director	Fisher		
Ian	Thomson	General Manager	Fisher		

Corporate Information

The CORPORATE screen provides information about the corporate owner of the mill. You access this information, by clicking on the **Corporate** button in the general column of ACCOUNT VIEWER. Along with address and telephone information, this screen compiles the pulp and paper production information for all of that corporation's mills and presents it in a pie chart.

Mill Information 9408-0		Locate	Return	Feedback
Mead Corp. Mead Corp. Corporate Headquarters Dayton, OH 45463		Add/Edit Site	Print	Feedback
Phone Numbers				
Phone: (937) 222-6323				
Mailing Address		Shipping Address		
Mead World HQ, Courthouse Plaza NE		10 West Second Street		
Dayton, OH 45463 United States		Dayton, OH 45463 United States		
Industry: Paper	Type: xxxx	Year Built: 0	Source: Fisher	
Location: Corporate	Employees: 400	Est. Sales: \$0	Comments:	
Pulp Grades Produced Total TPY : 3,316,560		Paper Grades Produced Total TPY : 3,741,375		

AT A GLANCE

CORPORATE INFORMATION provides you with the following information:

- Mill information
- Phone numbers
- Mailing address
- Shipping address
- Pulp grades produced throughout corporation
- Paper grades produced throughout corporation

Adding or Editing Sites and Names

One of the most power features of FPWW is the opportunity it gives you to integrate your own information into the database. This information will *not* be affected when you install our semi-annual updates.

The steps below explain how to edit personnel and site information. If you have selected **Add/Edit** from either the MILL INFORMATION or PERSONNEL screen, start with step number 3.

1. **Working from ACCOUNT VIEWER, highlight the mill whose information you want to edit or add to.**

2. **Click on “Add/Edit Sites, Names” button.**

This button is located in the bottom left of the screen.



3. **Make “edit” selection from top menu buttons.**

You have three choices:

- **Address Detail.** Change address information, add a new site.
- **Edit Name.** Add direct telephone numbers, mailing lists or areas of responsibility.
- **Insert Name.** Add a new name to the database.

4. **Make selection from top menu buttons on the next screen.**

Example: insert name

5. **Input information in the appropriate categories.**

If you want to add a telephone number, mailing list or area of responsibility, click on the add button beneath the section.

6. **Select “Leave Edit.”**



Getting Production Information

Production information about a mill includes paper and pulp production details, water and waste usage and treatment, comparison cost information and historical price figures. You access this information by clicking the buttons located in the second column from the left at the bottom of the main ACCOUNT VIEWER screen. Here's a closer look at the information you can access from this section of the database.

- **PAPER.** Type of paper being produced on machines, including capacity, grade information, bleach status, original supplier, year, speed, width, trim, etc.
- **PULP.** Type of pulp produced, including bleached status, bleach sequence, yearly production, etc.
- **WATER AND WASTE.** Information on both influent and effluent water, process and cooling water in mill, primary and secondary treatment methods.
- **COSTS.** Estimated costs of producing different grades of paper, and relative ranking in industry, including cost breakouts.
- **PRICES.** Trend analysis for various grades of paper.



Production
Paper
Pulp
Water and Waste
Costs
Prices

Paper Production

The PAPER PRODUCTION screen gives you production data for each individual machine in a mill. This information ranges from bleached status to basis weights to days of operation per year. The *Machine Information*, *Furnish* and *Finished Products* sections of the screen will change to reflect the machine you have highlighted in the *Paper Production* section.

Mill Information 0386
Mead Corp.
Mead Paper Div. Rumford Mill
Rumford, ME

 Locate
 Return
 Locate Next
 Feed-back
 Print

 **Machine #5**

Paper Production
5 / 9

Name of Line	Major Grade	Bleached?	Coated?	Acid?	On/Off Mach	Low/High Basis Wt	Sq.Ft.	Days Oper	Yearly Prod.
Machine #10	Printing and Writing	Bleached	Coated	Acid	On	50 80	3300	363	136,125
Machine #11	Printing and Writing	Bleached	Coated	Acid	On	38 80	3300	363	94,360
Machine #12	Printing and Writing	Bleached	Coated	Acid	On	38 80	3300	363	81,675
Machine #15	Printing and Writing	Bleached	Coated	Neutral	On	32 50	3300	363	226,875
Machine #5	Printing and Writing	Bleached	Uncoated	Acid	xxx	30 71	3300	360	28,800
Machine #7	Printing and Writing	Bleached	Uncoated	Acid	xxx	30 71	3300	360	32,400
Machine #8	Printing and Writing	Bleached	Uncoated	Acid	xxx	30 71	3300	360	32,400

Machine Information
Total Mill Production : 694,095

Original Supplier	Original Year	Width	Trim	Maximum Speed	Daily Capacity
Rice Barton	1950	152 Inches	134 Trim	750 FPM	80 TPD

Furnish	Fiber	Origin	TPY	%Tot	%Pur
Ash	xxxx	xxxx	2,880	10	100
Kraft	Hardwood	Northern	12,960	45	0
Kraft	Softwood	Northern	10,368	36	0

Finished Products	Quality	SC	Grade
Business Paper	xxxx	xxxx	Uncoated Freeshee

AT A GLANCE

PAPER PRODUCTION provides you with the following information:

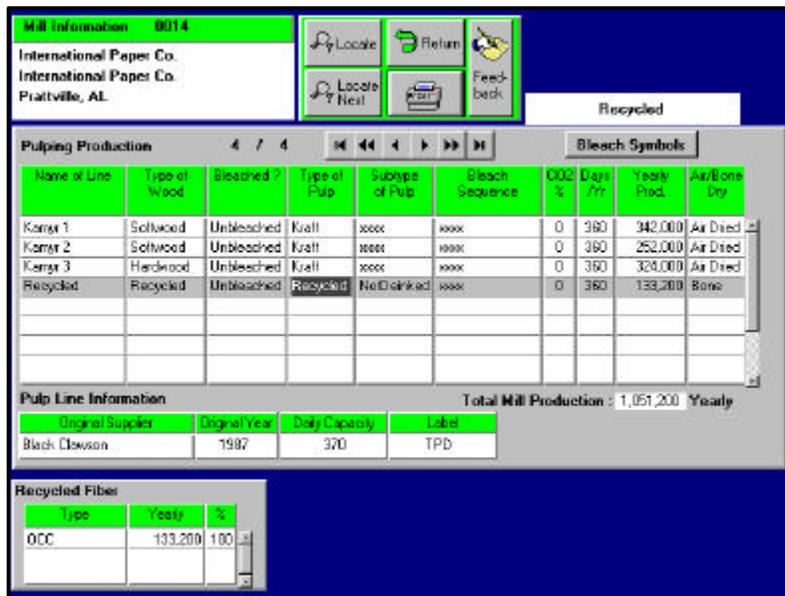
- Bleached status
- Coated status
- Basis weights
- Days operated
- Yearly production
- Major grade and grade
- Machine information
- Furnish
- Fiber type
- Finished products

Pulp Production

The PULP PRODUCTION screen details the type of wood or pulp used in the mill, including production numbers. To view this screen, click on the **Pulp Production** button located in the production column at the bottom of the ACCOUNT VIEWER screen.

The *Pulp Line* and *Recycled Fiber* sections, at the bottom of the screen, are dependent on the line you have selected in the *Pulp Production* section.

The **Bleach Symbols** button opens a look up chart that lists abbreviations for the chemicals listed in the bleach sequences.



The screenshot displays the Pulp Production interface. At the top, it shows Mill Information for 0014 at International Paper Co. in Prattville, AL. Below this is a navigation bar with buttons for Locate, Return, Locate Next, and Feedback. The main section is titled 'Pulping Production' and contains a table with the following data:

Name of Line	Type of Wood	Bleached ?	Type of Pulp	Subtype of Pulp	Bleach Sequence	CO2 %	Days /Yr	Yearly Prod.	Air/Bone Dry
Kamyr 1	Softwood	Unbleached	Kraft	xxxx	xxxx	0	360	342,000	Air Dried
Kamyr 2	Softwood	Unbleached	Kraft	xxxx	xxxx	0	360	252,000	Air Dried
Kamyr 3	Hardwood	Unbleached	Kraft	xxxx	xxxx	0	360	324,000	Air Dried
Recycled	Recycled	Unbleached	Recycled	No Dinked	xxxx	0	360	138,200	Bone

Below the table is the 'Pulp Line Information' section, which includes a table for 'Original Supplier', 'Original Year', 'Daily Capacity', and 'Label'. The total mill production is noted as 1,051,200 Yearly.

The 'Recycled Fiber' section at the bottom shows a table with columns for 'Type', 'Yastr', and '%':

Type	Yastr	%
OCC	103,200	100

AT A GLANCE

PULP PRODUCTION provides you with the following information:

- Type of wood
- Bleach sequence
- Type and subtype of pulp
- Yearly production
- Recycled fiber

Water and Waste

The WATER AND WASTE screen tracks water usage and sludge production, and also lists treatment methods. To access this screen, click on the **Water and Waste** button located at the bottom of the ACCOUNT VIEWER screen.

Mill Information 0020

Mead Corp.
Mead Corp. Stevenson Mill
 Stevenson, AL







Water Usage and Sludge Production

Mill Section	Material	Application	Source/Destination Type	Source/Destination Name	Volume	Label
Influent	Water	Process	River	Tennessee River	4.00	MMGD
Influent	Water	Cooling	River	Tennessee River	0.00	MMGD
Effluent	Water	Process	River	Tennessee River	4.00	MMGD
Effluent	Water	Cooling	River	Tennessee River	0.00	MMGD
Effluent	Sludge	Primary	Incineration	Power Boiler #1	50.00	TPO
Effluent	Sludge	Primary	Landspread	Company Landspread	20.00	TPO
Effluent	Sludge	Secondary	Incineration	Power Boiler #1		TPO

Treatment Methods

Mill Section	Stage	Type	Description
Influent	Primary	Chemical Treatment	Chlorination & Alum
Influent	Secondary	No Treatment	No Treatment
Effluent	Primary	Clarification	Clarifier
Effluent	Secondary	Aeration Lagoon	Aeration Stabilization Basin

AT A GLANCE

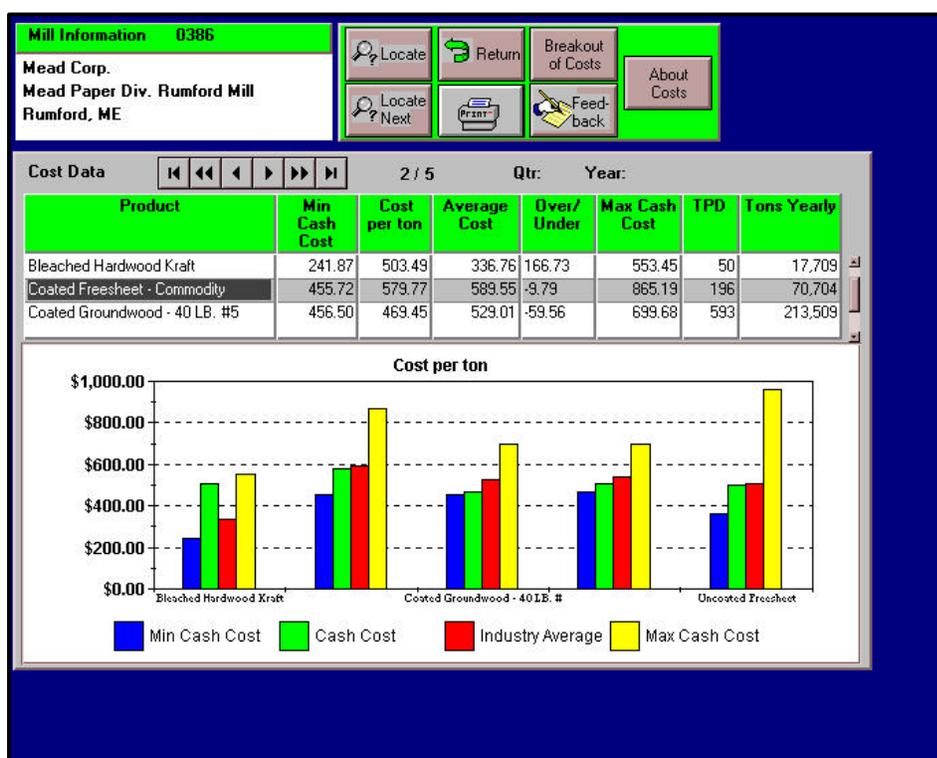
WATER AND WASTE provides you with the following information:

- Mill section
- Source/destination
- Volume
- Treatment type and description

Costs

The COST screen gives you a comparative look at how this particular mill's costs compare with (1) industry; (2) the low cost producer; (3) the high cost producer; and (4) the industry average. This screen also provides a breakout of the cost of production per ton of grade produced for the mill you have selected.

To access this information, click on the **Costs** button located at the bottom of the ACCOUNT VIEWER screen.



AT A GLANCE

Minimum cash cost.

The lowest cost across all mills producing that grade of paper.

Mill cost per ton. Costs for that mill.

Average cost. The average cost across all mills producing that grade of paper.

Over/under. Where this mill lies against the average.

Maximum cash cost. The highest cost across all mills producing that grade of paper.

COST BREAKOUT

To see a mill's specific costs, compared with other mills making the same grade of paper, click on the **Breakout of Costs** button from the main COST screen. To choose a different grade of paper, select another grade from the drop down menu located in the left center of the screen.

Mill Information 0386

Mead Corp.
Mead Paper Div. Rumford Mill
Rumford, ME

Locate Return Feedback

Locate Next Print

Select Grade:

Coated Freesheet - Commodity

Bleached Hardwood Kraft

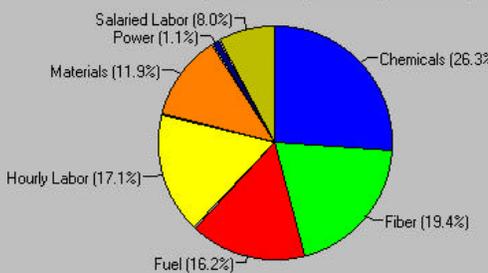
Coated Freesheet - Commodity

Coated Groundwood - 40 LB. #5

Coated Groundwood - 50 LB. #4

Uncoated Freesheet

Cost Component	Min Cash Cost	Mill Cost per ton	Average Cost	Over/Under	Max Cash Cost
Chemicals	92.43	155.75	146.33	-9.42	159.76
Fiber	0.46	114.97	178.08	63.11	326.46
Fuel	19.59	96.19	38.87	-57.32	146.33
Hourly Labor	-1.49	101.28	98.77	-2.51	212.03
Materials	30.59	70.58	71.10	0.53	115.30
Power	-20.36	-6.32	13.51	19.83	44.65
Salaried Lat	19.49	47.32	42.89	-4.44	105.12



AT A GLANCE

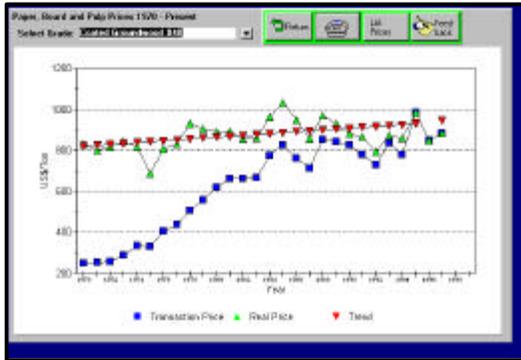
COSTS includes details on the following components.

- Chemicals
- Fiber
- Fuel
- Hourly labor
- Materials
- Power
- Salaried labor

For definitions of the cost components, see Appendix.

Prices

PRICES screen shows the transaction prices from 1970 to the present for various grades of paper. To view this information, click on the **Prices** button located at the bottom of the ACCOUNT VIEWER screen.

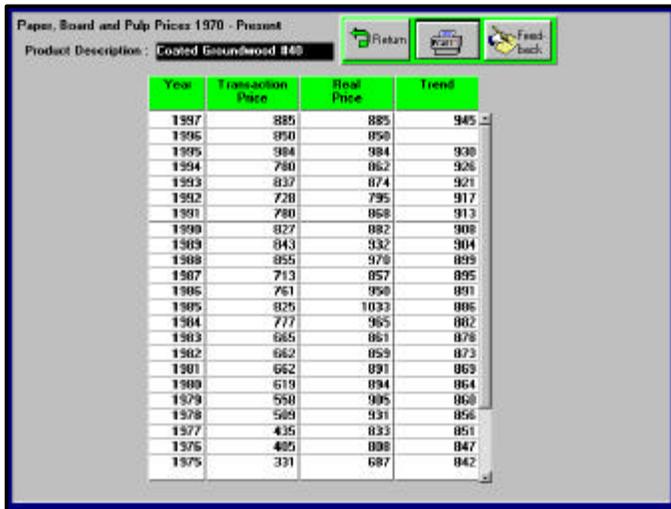


AT A GLANCE

PRICES provides you with the following data:

- Transaction price
- Real price
- Trend
- Detailed list of the prices that make up the graph

The **List Prices** button located at the top of the PRICES screen will give you data behind the graph.



Year	Transaction Price	Real Price	Trend
1997	885	885	945
1996	890	890	930
1995	904	904	926
1994	780	862	921
1993	837	874	917
1992	728	795	913
1991	780	868	908
1990	827	882	904
1989	843	932	899
1988	855	970	895
1987	713	857	891
1986	761	950	886
1985	825	1032	882
1984	777	965	878
1983	685	861	873
1982	662	859	869
1981	662	891	864
1980	619	894	860
1979	558	905	856
1978	509	931	851
1977	435	833	847
1976	405	808	842
1975	331	687	

Getting Equipment Information

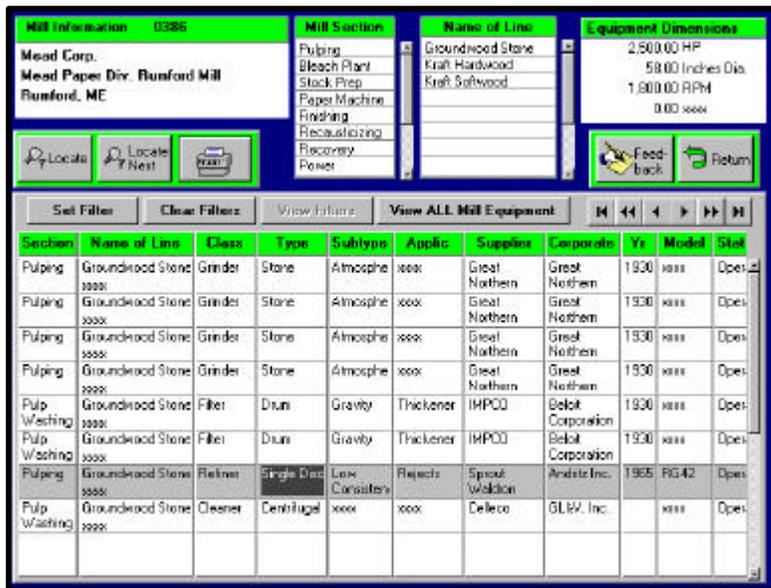
The equipment section of the database provides you with highly detailed information about process equipment and controls, as well as major capital and maintenance projects at the mill. You access this information by clicking the buttons located at the bottom of the main ACCOUNT VIEWER screen.

- **PROCESS EQUIPMENT.** Describes every major piece of equipment in a mill, including type, subtype, supplier, year of installation and other relevant information.
- **PROCESS CONTROLS.** Describes DCS and supervisory systems throughout the mill, in addition to scanners, sensors and actuators.
- **PROJECTS.** Describes capital and maintenance projects over \$1 million US, including estimated investment spending and investment and all relevant dates and RFQ, developer's name, description of project scope.



Process Equipment

PROCESS EQUIPMENT shows every major piece of equipment in the mill. The information is grouped by mill section and line. You access this screen by pressing the **Process Equipment** button located at the bottom of the ACCOUNT VIEWER screen.



The screenshot displays the 'Process Equipment' interface. At the top, there are four main sections: 'Mill Information' (0385), 'Mill Section' (Pulping), 'Name of Line' (Groundwood Stone), and 'Equipment Dimensions' (2,500.00 HP, 58.00 Inches Dia, 1,800.00 RPM, 0.00 xxx). Below these are buttons for 'Locate', 'Locate if Next', 'Print', 'Feed-back', and 'Return'. A toolbar includes 'Set Filter', 'Clear Filters', 'View Filters', and 'View ALL Mill Equipment'. The main area is a table with columns: Section, Name of Line, Class, Type, Subtype, Applic, Supplier, Corporate, Yr, Model, and Stat.

Section	Name of Line	Class	Type	Subtype	Applic	Supplier	Corporate	Yr	Model	Stat
Pulping	Groundwood Stone 0000	Grinder	Stone	Atmosphe	xxxx	Great Northern	Great Northern	1930	xxxx	Open
Pulping	Groundwood Stone 0000	Grinder	Stone	Atmosphe	xxxx	Great Northern	Great Northern	1930	xxxx	Open
Pulping	Groundwood Stone 0000	Grinder	Stone	Atmosphe	xxxx	Great Northern	Great Northern	1930	xxxx	Open
Pulping	Groundwood Stone 0000	Grinder	Stone	Atmosphe	xxxx	Great Northern	Great Northern	1930	xxxx	Open
Pulp Washing	Groundwood Stone 0000	Filter	Drum	Gravity	Thickener	IMPOCO	Beloit Corporation	1930	xxxx	Open
Pulp Washing	Groundwood Stone 0000	Filter	Drum	Gravity	Thickener	IMPOCO	Beloit Corporation	1930	xxxx	Open
Pulping	Groundwood Stone 0000	Refiner	Single Disc	Low Consist	Rejects	Sprout Waldron	Andritz Inc.	1985	RG-42	Open
Pulp Washing	Groundwood Stone 0000	Cleaner	Centrifugal	xxxx	xxxx	Celleco	GLW, Inc.	xxxx	xxxx	Open

VIEWING EQUIPMENT FROM MILL SECTIONS

To view equipment from different mill sections, follow these steps:

1. Click on the **Mill Section** you want to view.
2. Click on the line from the **Name of Line** list.

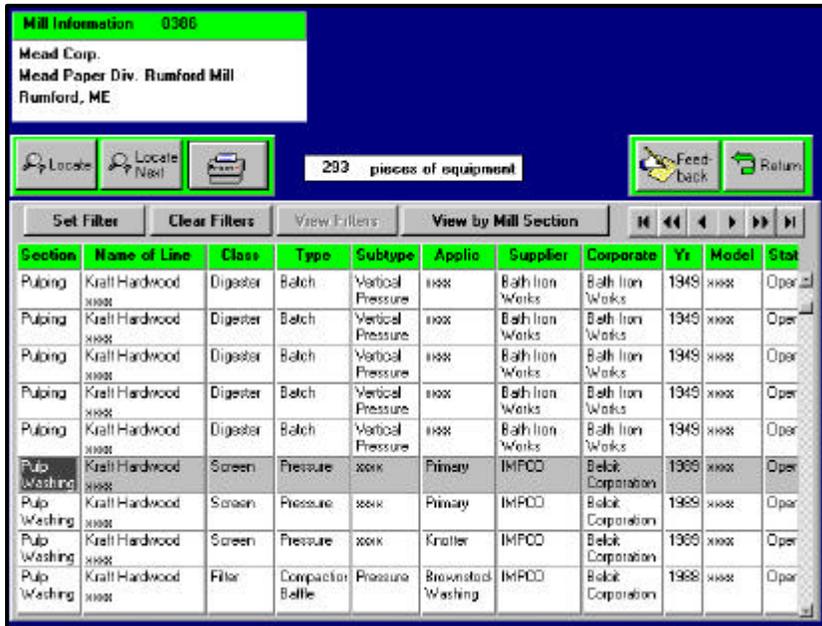
The equipment in the lower portion of the screen reflects the mill section and the name of line you have selected.

Note that the *equipment* dimensions will change for each piece of equipment.

Clicking **View ALL Mill Equipment** will list every piece of equipment in the mill, without grouping it by mill section.

PROCESS EQUIPMENT: ALL EQUIPMENT VIEW

To view all of the equipment in the mill, click on the **View ALL Mill Equipment** button, located in the center of the PROCESS EQUIPMENT screen.



Mill Information 0300
Mead Corp.
Mead Paper Div. Rumford Mill
Rumford, ME

293 pieces of equipment

Section	Name of Line	Class	Type	Subtype	Applic	Supplier	Corporate	Yr	Model	Stat
Pulping	Kraft Hardwood	Digester	Batch	Vertical Pressure	xxxx	Bath Iron Works	Bath Iron Works	1949	xxxx	Oper
Pulping	Kraft Hardwood	Digester	Batch	Vertical Pressure	xxxx	Bath Iron Works	Bath Iron Works	1949	xxxx	Oper
Pulping	Kraft Hardwood	Digester	Batch	Vertical Pressure	xxxx	Bath Iron Works	Bath Iron Works	1949	xxxx	Oper
Pulping	Kraft Hardwood	Digester	Batch	Vertical Pressure	xxxx	Bath Iron Works	Bath Iron Works	1949	xxxx	Oper
Pulping	Kraft Hardwood	Digester	Batch	Vertical Pressure	xxxx	Bath Iron Works	Bath Iron Works	1949	xxxx	Oper
Pulp Washing	Kraft Hardwood	Screen	Pressure	xxxx	Primary	IMPCC	Beltek Corporation	1988	xxxx	Oper
Pulp Washing	Kraft Hardwood	Screen	Pressure	xxxx	Primary	IMPCC	Beltek Corporation	1989	xxxx	Oper
Pulp Washing	Kraft Hardwood	Screen	Pressure	xxxx	Krotter	IMPCC	Beltek Corporation	1988	xxxx	Oper
Pulp Washing	Kraft Hardwood	Filter	Compactor Belle	Pressure	Brownstock Washing	IMPCC	Beltek Corporation	1988	xxxx	Oper

AT A GLANCE

Special features of the PROCESS EQUIPMENT screen:

Set Filter. You can use the set filter instructions outlined on page 23 to view only certain pieces of equipment.

Locate. Use the Locate instructions outlined on page 22 to find a certain piece of equipment.

xxxx. Viewing an "xxxx" means that field does not apply to that piece of equipment.

Blanks. If you see an empty field, it is because we do not know that piece of information. We will not guess if we don't know the answer

Process Controls: Overview

Within the PROCESS CONTROLS section, you can access several screens of information. Those screens are:

- PROCESS CONTROLS-VIEW BY CONTROL. What each control is measuring.
- PROCESS CONTROLS-VIEW BY LINE. What controls are operating for each line.
- SCANNERS/SENSORS. Location of sensors and what they are measuring.
- ACTUATORS. Shows what actuators are on each machine.
- SOFTWARE. What software is running.

PROCESS CONTROLS: VIEWING BY CONTROL

To view process controls for any mill listing, click on the **Process Controls** button located at the bottom of the main ACCOUNT VIEWER screen. The information listed in the right section of the screen will change depending on the control you have highlighted on the left. Process controls can be grouped either by control or by machine line. To switch views, use the button located in the top right of the screen.



Supplier	Model	Year	Type	DCS Status	Supervisory Status	Name of Line/Sub	Mill Section
Honeywell	TDC 3000	1979	Electronic	Operating	Not equipment	Recovery	Concentrator #1
Honeywell	TDC 3000	1985	Electronic	Operating	Not equipment	Recovery	Concentrator #2
Honeywell	TDC 3000	1985	Electronic	Operating	Not equipment	Recovery	Evaporator #1
Honeywell	TDC 3000	1989	Electronic	Operating	Not equipment	Recovery	Recovery Boiler #1
Honeywell	TDC 3000	1989	Electronic	Operating	Not equipment		
Honeywell	TDC 3000	1989	Electronic	Operating	Not equipment		
Honeywell	TDC 3000	1989	Electronic	Operating	Not equipment		
Honeywell	TDC 3000	1990	Electronic	Operating	Not equipment		
Honeywell	TDC 3000	1991	Electronic	Operating	Not equipment		
Honeywell	TDC 3000	1992	Electronic	Operating	Not equipment		
Measurac	2001	1981	Electronic	Not equipment	Operating		
Measurac	2001	1981	Electronic	Not equipment	Operating		
Measurac	2001	1987	Electronic	Not equipment	Operating		

- Supervisory status

The three lower buttons located in the top right of the screen, gives you access to additional information about scanners, sensors, actuators and software.

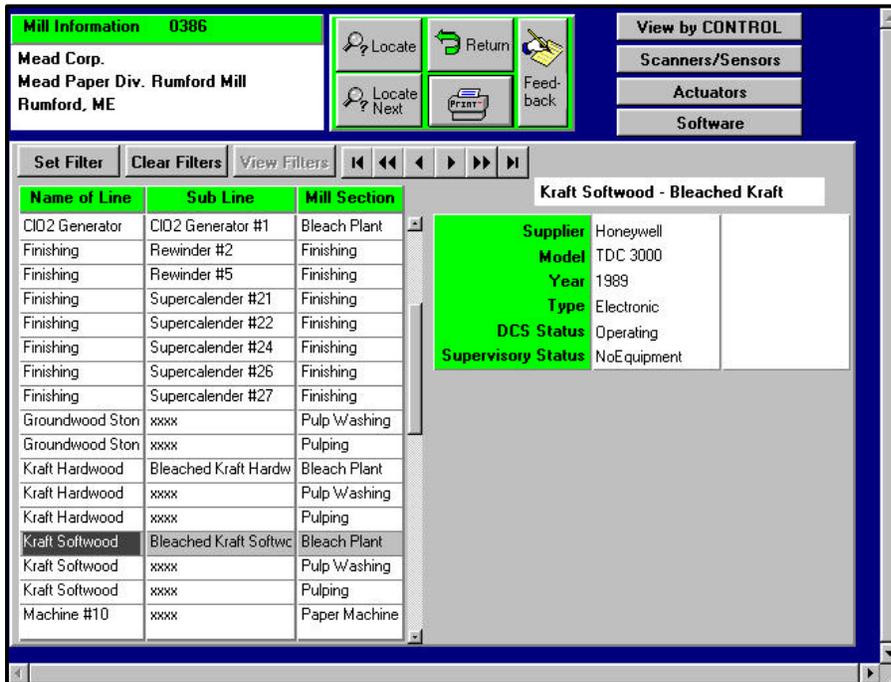
AT A GLANCE

PROCESS CONTROLS provides you with the following information:

- Supplier
- Model
 - Year supplied
 - Type
 - DCS Status

PROCESS CONTROLS: VIEWING BY LINE

To view process controls by line, click on the **View by LINE** button from the main Process Controls (VIEW BY CONTROL) screen. This screen shows the process controls for each line. The box to the right changes to show detailed information for the line you have selected on the left.



The screenshot shows the 'View by LINE' interface. At the top left, it displays 'Mill Information 0386' and 'Mead Corp. Mead Paper Div. Rumford Mill Rumford, ME'. Navigation buttons include 'Locate', 'Return', 'Locate Next', and 'Feed-back'. A 'View by CONTROL' menu is open, showing options for 'Scanners/Sensors', 'Actuators', and 'Software'. Below this is a filter section with 'Set Filter', 'Clear Filters', and 'View Filters' buttons. The main area contains a table with columns for 'Name of Line', 'Sub Line', and 'Mill Section'. The 'Kraft Softwood - Bleached Kraft' line is selected, and its details are shown in a pop-up window:

Supplier	Honeywell
Model	TDC 3000
Year	1989
Type	Electronic
DCS Status	Operating
Supervisory Status	NoE equipment

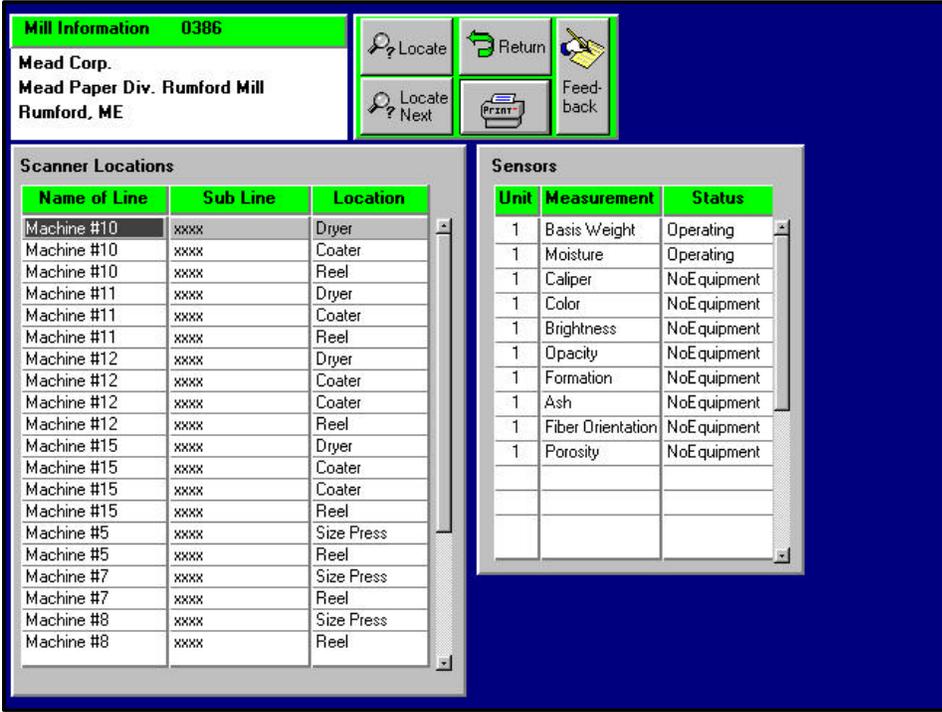
AT A GLANCE

PROCESS CONTROLS provides you with the following information:

- Name of line
- Sub line
- Mill section
- Supplier
- Model
- Year
- DCS status
- Supervisory status

PROCESS CONTROLS: SCANNERS/SENSORS

The SCANNERS/SENSORS screen is reached from the main PROCESS CONTROLS screen, either the VIEW BY CONTROL or VIEW BY LINE screens, and shows where the scanners are located and what the sensors are measuring. Unlike many of the other screens in FPWW, the two sections of this screen (*Scanner Location* and *Sensors*) are unrelated.



Mill Information 0386
Mead Corp.
Mead Paper Div. Rumford Mill
Rumford, ME

Locate Return
 Locate Next PRINT Feed-back

Scanner Locations

Name of Line	Sub Line	Location
Machine #10	xxxx	Dryer
Machine #10	xxxx	Coater
Machine #10	xxxx	Reel
Machine #11	xxxx	Dryer
Machine #11	xxxx	Coater
Machine #11	xxxx	Reel
Machine #12	xxxx	Dryer
Machine #12	xxxx	Coater
Machine #12	xxxx	Coater
Machine #12	xxxx	Reel
Machine #15	xxxx	Dryer
Machine #15	xxxx	Coater
Machine #15	xxxx	Coater
Machine #15	xxxx	Reel
Machine #5	xxxx	Size Press
Machine #5	xxxx	Reel
Machine #7	xxxx	Size Press
Machine #7	xxxx	Reel
Machine #8	xxxx	Size Press
Machine #8	xxxx	Reel

Sensors

Unit	Measurement	Status
1	Basis Weight	Operating
1	Moisture	Operating
1	Caliper	NoEquipment
1	Color	NoEquipment
1	Brightness	NoEquipment
1	Opacity	NoEquipment
1	Formation	NoEquipment
1	Ash	NoEquipment
1	Fiber Orientation	NoEquipment
1	Porosity	NoEquipment

AT A GLANCE

SCANNERS/SENSORS provides you with the following information:

- Scanner Location
 - Name of Line
 - Sub Line
 - Location
- Sensors
 - Unit
 - Measurement
 - Status

PROCESS CONTROLS: ACTUATORS

Similar to the SCANNERS/SENSORS screen, the ACUATORS screen is accessed from the main PROCESS CONTROLS screen. Actuator information is grouped by machine. The *Actuator* information that appears at the bottom of the screen will depend on the *Machine* you select in the middle section.

Mill Information 0386

Mead Corp.
Mead Paper Div. Rumford Mill
Rumford, ME

Locate
Return

Locate Next
Feed-back

Machine

Name of Line	Sub Line
Finishing	Supercalender #21
Finishing	Supercalender #22
Finishing	Supercalender #24
Finishing	Supercalender #25
Finishing	Supercalender #26

Finishing - Supercalender #21

Actuators

Type	Unit	Subtype	Application	Supplier	Year	Model	Operating
CD	1	xxxx	Caliper	xxxx	0	xxxx	NoEquipment
CD	1	xxxx	Coat Weight	xxxx	0	xxxx	NoEquipment
CD	1	xxxx	Consistency	xxxx	0	xxxx	NoEquipment
CD	1	xxxx	Gloss	xxxx	0	xxxx	NoEquipment
CD	1	xxxx	Moisture	xxxx	0	xxxx	NoEquipment
CD	1	xxxx	Smoothness	xxxx	0	xxxx	NoEquipment
CD	1	xxxx	Weight	xxxx	0	xxxx	NoEquipment
MD	1	xxxx	Moisture	xxxx	0	xxxx	NoEquipment
MD	1	xxxx	Weight	xxxx	0	xxxx	NoEquipment

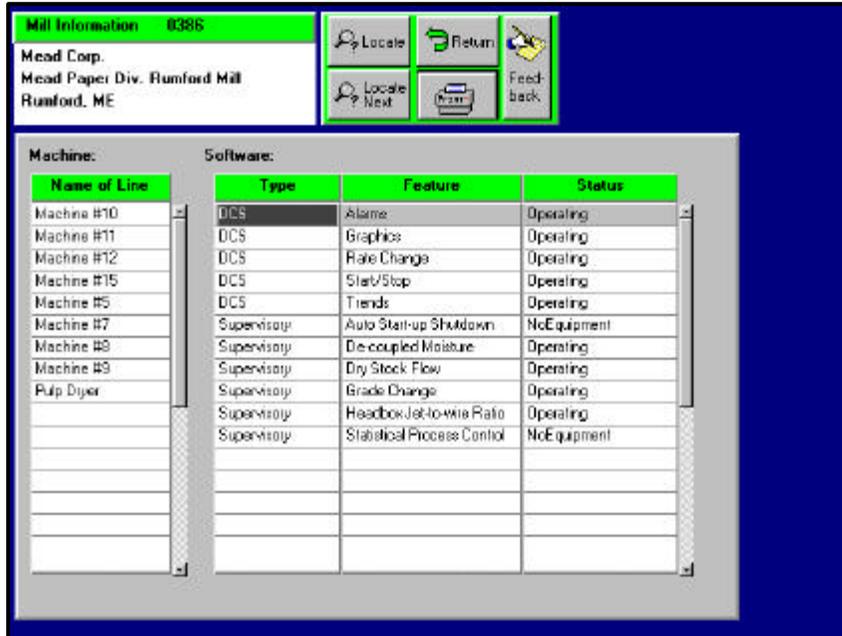
AT A GLANCE

ACTUATORS provides you with the following information:

- Name of Line
- Sub Line
- Actuator
 - Type
 - Unit
 - Subtype
 - Application
 - Supplier
 - Year
 - Model
 - Operating

PROCESS CONTROLS: SOFTWARE

The SOFTWARE screen lists all the software for each machine. You access the screen through the PROCESS CONTROLS menu. The *Software* information at the right of the screen is dependent on the *Machine* you have selected on the left.



Name of Line	Type	Feature	Status
Machine #10	DCS	Alarms	Operating
Machine #11	DCS	Graphics	Operating
Machine #12	DCS	Rate Change	Operating
Machine #15	DCS	Start/Stop	Operating
Machine #5	DCS	Trends	Operating
Machine #7	Supervisory	Auto Start-up Shutdown	NoEquipment
Machine #9	Supervisory	De-coupled Moisture	Operating
Machine #9	Supervisory	Dry Stock Flow	Operating
Pulp Drier	Supervisory	Grade Change	Operating
	Supervisory	Headbox Jet-to-wire Ratio	Operating
	Supervisory	Statistical Process Control	NoEquipment

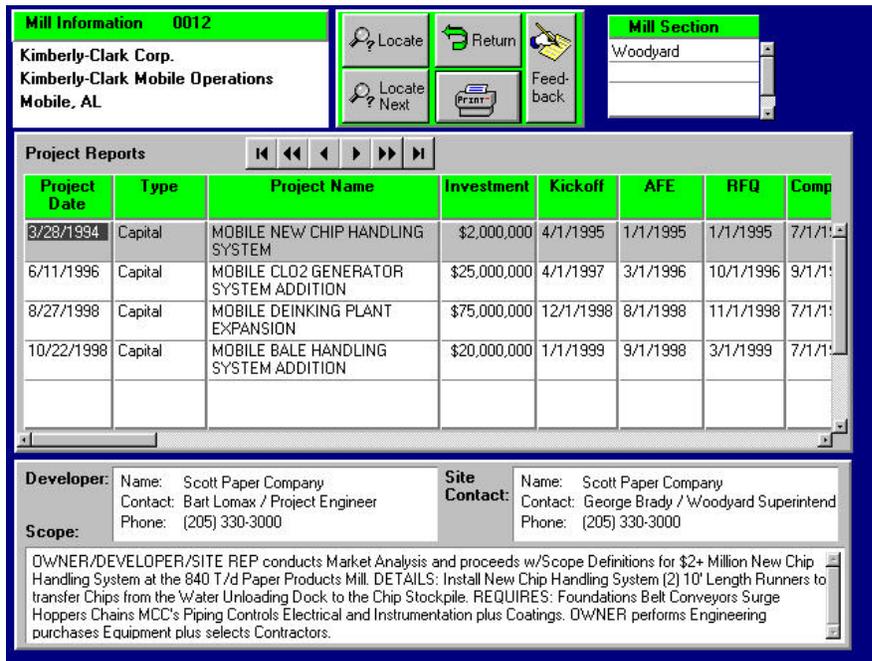
AT A GLANCE

SOFTWARE provides you with the following information:

- Name of line
- Software
 - Type
 - Feature
 - Status

Projects

PROJECTS shows all capital and maintenance projects at the mill. You access this information by clicking on the **Projects** button for any mill listing. The information at the bottom of the screen details the project highlighted in the middle section. Project information is updated continuously, with updates e-mailed bi-weekly to clients who purchase this service.



Mill Information 0012
 Kimberly-Clark Corp.
 Kimberly-Clark Mobile Operations
 Mobile, AL

Locate Return
 Locate Next Print Feedback

Mill Section
 Woodyard

Project Reports

Project Date	Type	Project Name	Investment	Kickoff	AFE	RFQ	Comp
3/28/1994	Capital	MOBILE NEW CHIP HANDLING SYSTEM	\$2,000,000	4/1/1995	1/1/1995	1/1/1995	7/1/1995
6/11/1996	Capital	MOBILE CLO2 GENERATOR SYSTEM ADDITION	\$25,000,000	4/1/1997	3/1/1996	10/1/1996	9/1/1996
8/27/1998	Capital	MOBILE DEINKING PLANT EXPANSION	\$75,000,000	12/1/1998	8/1/1998	11/1/1998	7/1/1998
10/22/1998	Capital	MOBILE BALE HANDLING SYSTEM ADDITION	\$20,000,000	1/1/1999	9/1/1998	3/1/1999	7/1/1999

Developer: Name: Scott Paper Company
 Contact: Bart Lomax / Project Engineer
 Phone: (205) 330-3000

Site Contact: Name: Scott Paper Company
 Contact: George Brady / Woodyard Superintendent
 Phone: (205) 330-3000

Scope:
 OWNER/DEVELOPER/SITE REP conducts Market Analysis and proceeds w/Scope Definitions for \$2+ Million New Chip Handling System at the 840 T/d Paper Products Mill. DETAILS: Install New Chip Handling System (2) 10' Length Runners to transfer Chips from the Water Unloading Dock to the Chip Stockpile. REQUIRES: Foundations Belt Conveyors Surge Hoppers Chains MCC's Piping Controls Electrical and Instrumentation plus Coatings. OWNER performs Engineering purchases Equipment plus selects Contractors.

AT A GLANCE

PROJECTS provides you with the following information:

- Project date
- Projects name
- Mill section
- Contact names
- Developer
- Scope