

Subject Topic:

Outage Database



How We Put the Pieces Together







Goals of Discussion

Outage Database



- Review Annual Outage Database
 - Task tracker & Templates
 - Reporting capabilities
 - Sharepoint Calendar

- Demonstration
- Opportunities/Next Steps (15 Minutes)

INTERNATIONAL PAPER

Enterprise Outage



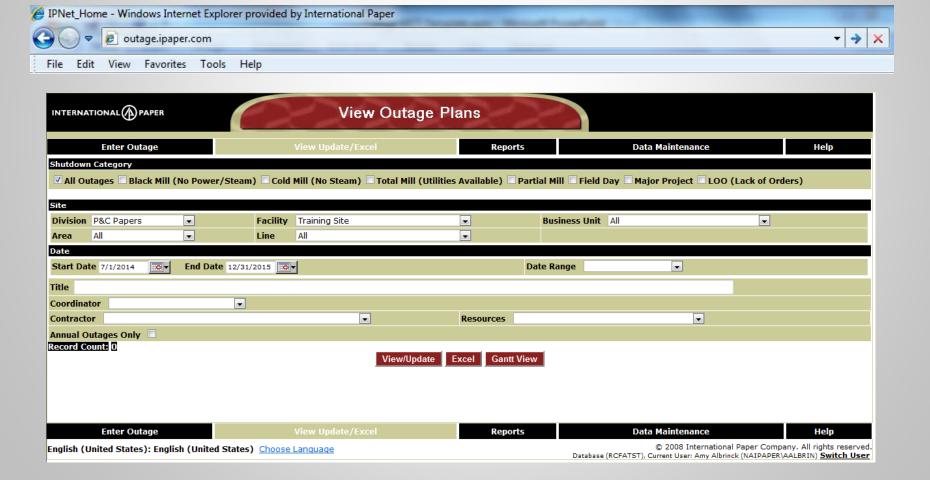
- Enterprise Outage is the centralized program for entering and managing facility outage dates. This information is needed for multiple purposes.
- ➤ Web Application that functions similarly to RI.
- ➤ Manufacturing Data is shared by all Reliability application RI, MOC, Outage, MTT (Manufacturing Task Tracker)
- ➤ Manufacturing data includes Site, Employee, Business Unit/Area, Roles

Accessing Outage



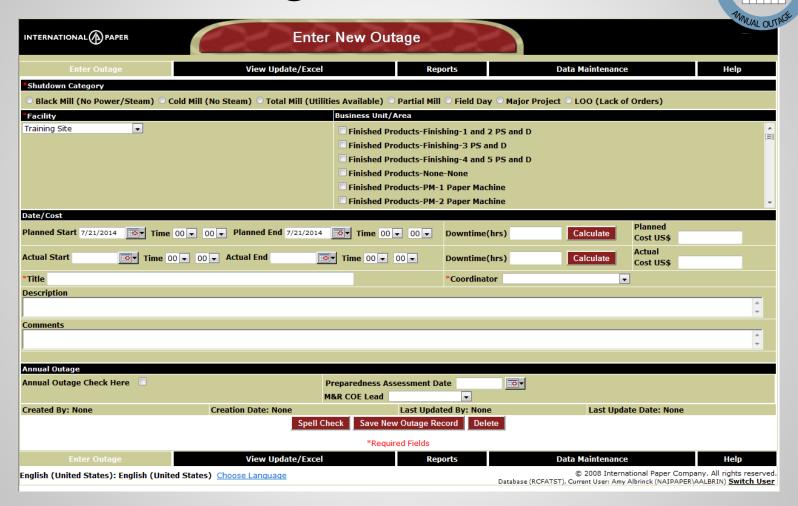


- 1. Open Internet Explorer
- 2. Type OUTAGE or outage.ipaper.com in IE address line





Enter Outage



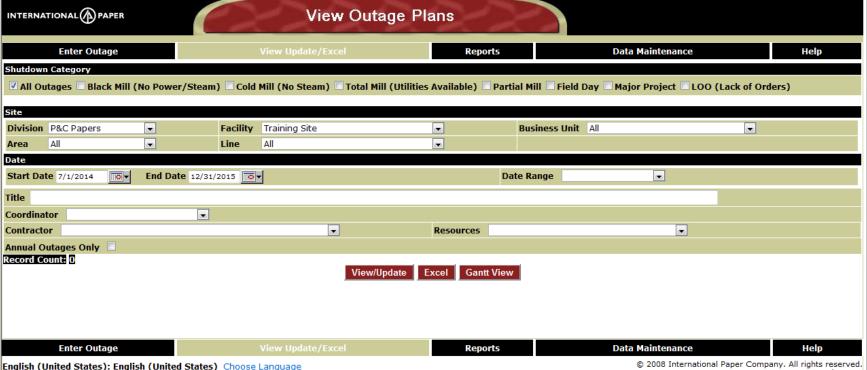
The required fields are identified with *
Shutdown Category, Facility, Title, Outage Coordinator



View Update/Excel



- Search Criteria includes: Shutdown category, Site, Area, Dates, Title, coordinator, contractor, resources
- View/Update results will appear in table on page
- Excel results will be returned in excel
- Gantt View results will appear in Gantt like display





View Update



- Select Criteria
- Click on View/Update or Gantt View
- Click on Title link to update Outage details

View/Update

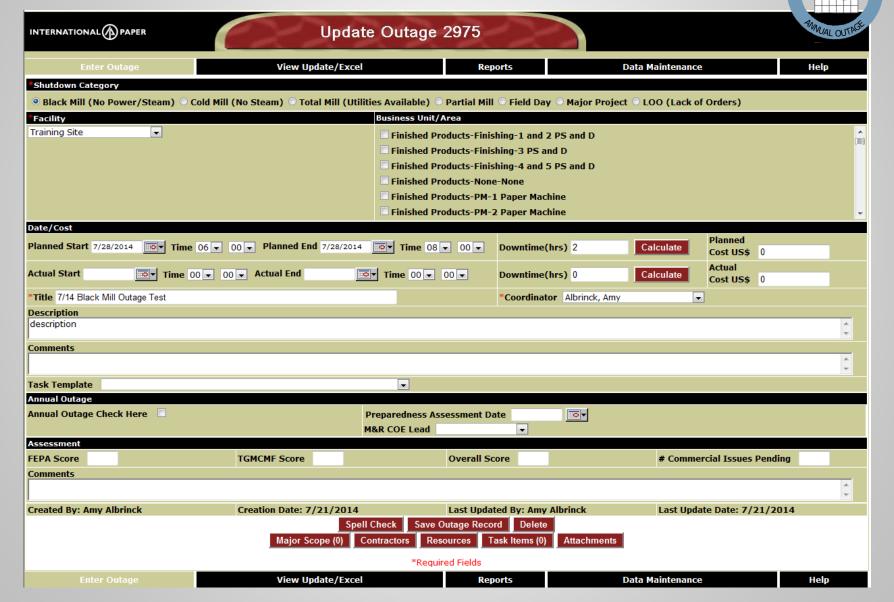
| Number | Report | Start Date | End Date | <u>Facility</u> | Title | Shutdown Category | Coordinator | Attachments | Business Unit/Area |
|--------|--------|------------|------------|-----------------|---------------------------------------|----------------------------------|--------------|-------------|--|
| 2974 | Report | 7/21/2014 | 7/21/2014 | TRAINING SITE | 7/14 Black Mill Outage Test | Black Mill (No Power/Steam) | Amy Albrinck | | |
| 2636 | Report | 12/15/2014 | 12/16/2014 | TRAINING SITE | TG short outage | Partial Mill | Cathy Cox | | Power-Turbines-2 TG |
| 2635 | Report | 3/1/2015 | 3/12/2015 | TRAINING SITE | Turbine major outage | Partial Mill | Cathy Cox | | Power-Turbines-1 TG |
| 2514 | Report | 3/4/2015 | 3/13/2015 | TRAINING SITE | <u>Turbine Generator test</u> | Partial Mill | Cathy Cox | | Power-Turbines-1 TG |
| 2615 | Report | 3/11/2015 | 3/11/2015 | TRAINING SITE | Outage test record | Total Mill (Utilities Available) | Amy Test | | Finished Products-Finishing-1 and 2 PS and D |
| | | | | | | | | | Power-Turbines-1 TG |
| 2714 | Report | 3/28/2015 | 4/8/2015 | TRAINING SITE | Testing new TG templates | Partial Mill | Cathy Cox | | Power-Turbines-2 TG |
| | | | | | | | | | Power-Turbines-3 TG |
| | | | | | | | | | Finished Products-Finishing-1 and 2 PS and D |
| 2734 | Report | 4/8/2015 | 4/10/2015 | TRAINING SITE | <u>Turbine Generator Major Outage</u> | Partial Mill | Amy Albrinck | | Finished Products-Finishing-3 PS and D |
| | | | | | | | | | Power-Turbines-1 TG |

Gantt View

| Start Date | End Date | <u>Facility</u> | <u>Title</u> | <u>Duration</u> | Jun 2014 | Jul 2014 | Aug 2014 | Sep 2014 | Oct 2014 | Nov 2014 | Dec 2014 | Jan 2015 | Feb 2015 | Mar 2015 | Apr 2015 | May 2015 | Jun 2015 | Jul 201 |
|------------|------------|------------------|-----------------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-------------|-------------|------------|
| 7/21/2014 | 7/21/2014 | Training Site | 7/14 Black Mill Outage Test | 0 Days | | TE | 7/14 | Black M | ill Outag | e Test | | | | | | | | |
| 12/15/2014 | 12/16/2014 | Training Site | TG short outage | 1 Days | | | | | | | TE I | TG sh | ort outag | е | | | | |
| 3/1/2015 | 3/12/2015 | Training Site | Turbine major outage | 11 Days | | | | | | | | | | TE I 1 | Turbine n | najor out | age | |
| 3/4/2015 | 3/13/2015 | Training Site | Turbine Generator test | 9 Days | | | | | | | | | | TE I 1 | Turbine G | enerator | test | |
| 3/11/2015 | 3/11/2015 | Training Site | Outage test record | 0 Days | | | | | | | | | | TE ■ | Outage | test reco | rd | |
| 3/28/2015 | 4/8/2015 | Training Site | Testing new TG templates | 11 Days | | | | | | | | | | Т | E == 1 | Testing ne | ew TG te | mplate |
| 4/8/2015 | 4/10/2015 | Training Site | Turbine Generator Major Ou | 2 Days | | | | | | | | | | | TE ■ | Turbine | Generat | or Maj |



Update Outage



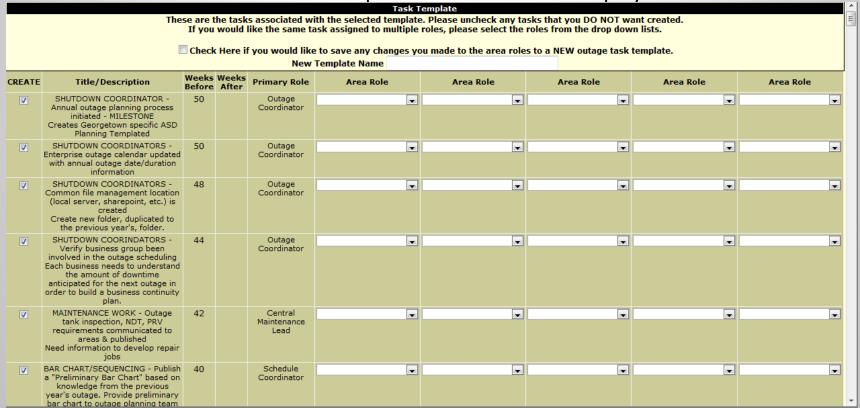


View Task Template

The task template drop down list will show once an outage has been saved. Click View to see the detail for the template tasks.

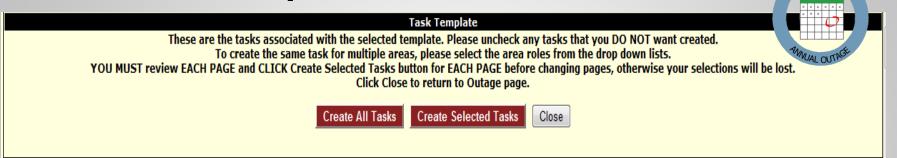
| sk Template | NEW GT ANNUAL OUTAGE (175 tasks) | View |
|-------------|----------------------------------|------|

All tasks associated with the template selected will be displayed.





Task Template Selection



Create All Tasks

This will create all tasks associated with the template. This should be selected if you've made no changes to the selected tasks or area roles.

Create Selected Tasks

This will create only the tasks that have been checked. By Default, all tasks are selected but you can uncheck any tasks.

| CREATE | Title/Description | | Weeks After | Primary Role | Area Role | Area Role | Area Role | Area Role | Area Role |
|----------|--|----|----------------|-----------------------|-----------|-----------|-----------|-----------|-----------|
| V | SHUTDOWN COORDINATOR - Annual outage planning process initiated - MILESTONE Creates Georgetown specific ASD Planning Templated | 50 | | Outage Coordinator | | | | | • |
| V | SHUTDOWN COORDINATORS - Enterprise outage calendar updated with annual outage date/duration information | 50 | | Outage Coordinator | • | | • | • | • |
| V | SHUTDOWN COORDINATORS - Common file management location (local server, sharepoint, etc.) is | 48 | | Outage Coordinator | • | • | • | • | • |

If the template has a large number of tasks (>100), there will be multiple pages. BE SURE to click one of the buttons before going to the next page or your selections will be lost.



Task Template Selection



Task Template

These are the tasks associated with the selected template. Please uncheck any tasks that you DO NOT want created.

To create the same task for multiple areas, please select the area roles from the drop down lists.

YOU MUST review EACH PAGE and CLICK Create Selected Tasks button for EACH PAGE before changing pages, otherwise your selections will be lost.

Click Close to return to Outage page.

Create All Tasks

Create Selected Tasks

Close

| | | | | | | | | Pages 1 <u>2</u> <u>3</u> |
|----------|--|-----------------|-----------------------|-----------|-----------|-----------|-----------|----------------------------------|
| CREATE | Title/Description | Weeks Before | Primary Role | Area Role |
| V | MILESTONE: Annual outage planning process initiated. | 39 | Outage Coordinator | • | • | • | • | _ |
| V | Enterprise outage calendar updated with annual outage date and duration informat Enterprise outage calendar updated with annual outage date and duration information. (Confirm that this was done. Should have been done at the end of last year.) | | Outage Coordinator | v | • | • | • | • |
| V | Annual outage coordinator and team (area coordinators) identified. | 39 | Outage Coordinator | • | • | • | • | _ |
| V | Preliminary overall mill annual outage budget planning started. (Need to establi Preliminary overall mill annual outage budget planning started. (Need to establish the budget amounts in each category with contingencies.) | 39 | Outage Coordinator | • | • | • | • | • |
| V | Repair job budgets established for the annual outage. (Non outage budgets have w Repair job budgets established for the annual outage. (Non outage budgets have work during the outage and amounts need to be estimated. Contingencies need to be determined.) | 39 | Outage Coordinator | • | • | • | • | • |



Task Template Selection



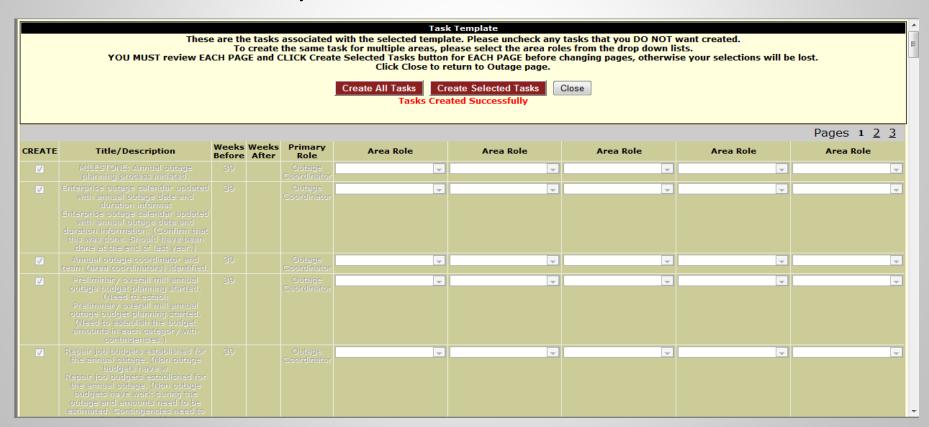
- Create checkbox to allow you to select/unselect individual tasks
 - Only those selected will be created
- Title/Description
- Weeks Before Task due date will set to the Outage Start Date minus the number of week before
- Weeks After Task due date will be set to the Outage Ends Date plus the number of weeks after
- Primary Role A single task will be created for this role
- Area Role(s) If any area roles are selected, a sub-task will get created with the parent task being the one created for the primary role.



Template Task Selection



- Create Selected Tasks
 - Notice the tasks that were checked are now disabled. This
 is because they have been created.



Template Task Selection

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New Template



- Go to Last page of tasks
- Check box and new template name
 - Check the checkbox and enter a name to create a new template.

Task Template

These are the tasks associated with the selected template. Please uncheck any tasks that you DO NOT want created.

To create the same task for multiple areas, please select the area roles from the drop down lists.

YOU MUST review EACH PAGE and CLICK Create Selected Tasks button for EACH PAGE before changing pages, otherwise your selections will be lost.

Click Close to return to Outage page.



Check Here if you would like to save any changes you made to the area roles to a NEW outage task template. Template will be saved when you click Save Tasks.

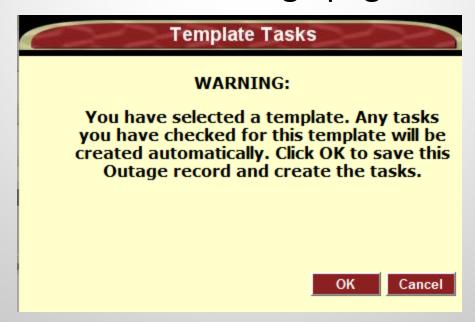
New Template Name



Update Outage

Save with template selected

- Warning popup will appear letting you know that a template was selected and that the tasks will be created.
- OK Outage saved and tasks created
- Cancel Back to Enter Outage page





Update Outage



- The outage record has now been saved
- Notice that the task template drop down list can no longer be selected
- Number of tasks were created will be displayed
- Clicking on Task Items will take you to Task Tracker so you can manage the tasks.

Task Template 2014 Springfield Annual Outage (225 tasks)

100 Tasks were created from template.

Spell Check Save Outage Record Delete Major Scope (0) Resources Contractors Attachments



Task Creation

- Since templates are created based on roles, some maintenance made need to take place in the event that no one has been assigned to a role that a template task was assigned to.
- You will receive an email once you save your outage record, indicating this.
- Two approaches to Warnings:
 - Assign user to the Roles identified as having no one assigned
 - Change responsible person on the tasks to a specific person rather than a role



Manufacturing Task Tracker Tasks were created for Outage 2078.

Training Outage Record

| COMPLETE | D SUCCESSFULLY | |
|---------------|---------------------------------------|---------------------------|
| Training Site | 239 Tasks were created from template. | Outage Coordinator |
| WARNINGS | S | |
| Training Site | No Person Assigned To This Role | Accounting |
| Training Site | No Person Assigned To This Role | Central Maintenance Lead |
| Training Site | No Person Assigned To This Role | Communications Manager |
| Training Site | No Person Assigned To This Role | EPD Lead |
| Training Site | No Person Assigned To This Role | Engineering |
| Training Site | No Person Assigned To This Role | Environmental Lead |
| Training Site | No Person Assigned To This Role | Human Resources |
| Training Site | No Person Assigned To This Role | Hydroblasting Coordinator |
| Training Site | No Person Assigned To This Role | Logistics Coordinator |
| Training Site | No Person Assigned To This Role | Mill Balance Coordinator |
| | | |



Task Items (Task Tracker)



Click Task Items to access tasks and manage them.





Major Scope



- Click Major Scope
- Enter order and description
- Click Save or Save & Close

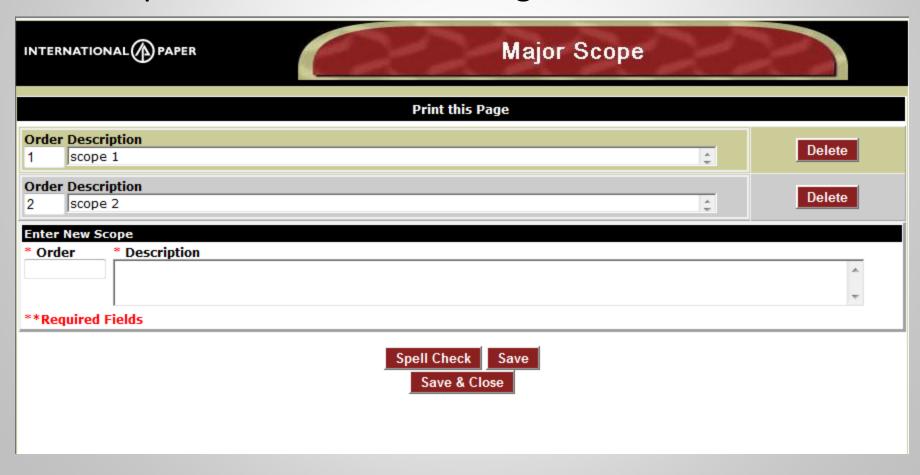




Major Scope



Scope will be added to Outage Record

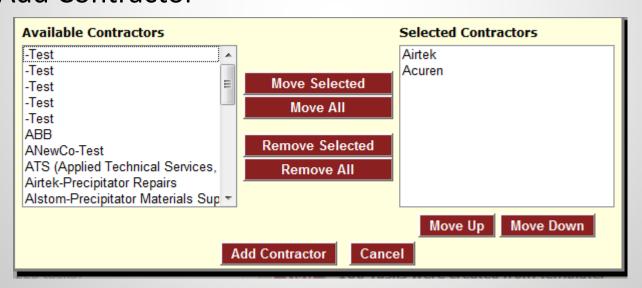




Contractors

MWAI OUTRE

- Click Contractors button
- Select Contractor (Type of work) and click "Move Selected" or double-click.
- You may select multiple or just one at a time
- Click Add Contractor



Note: This is not a comprehensive list of contractors. If you would like to add additional names, contact Doug Todd.



Contractors



- Contractors will be added to Outage record.
- May enter more details (Pre-work or post-work dates), head count, and comments
- REMEMBER to SAVE OUTAGE RECORD
- If the contractor has been selected for another outage, a confict will be shown.

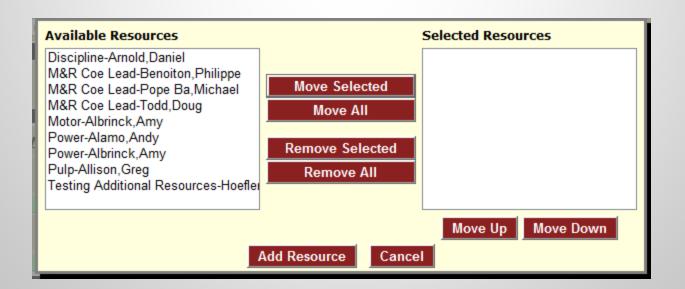
| Contractors <u>Delete</u> | <u>Company</u> | Type of Work | | ork Dates are defaulted to dates. Please update. | Head Count | <u>Comments</u> |
|------------------------------|----------------|--------------|----------------------------|---|------------|-----------------|
| Delete | Acuren | | Start Date 7/28/2014 □□▼ | End Date 7/28/2014 | | Á |
| NO CONF | LICTS | | | | | |
| Delete | Airtek | | Start Date 7/28/2014 □□▼ | End Date 7/28/2014 | | A |
| NO CONF | LICTS | | | | | |



Resources



- Click Resources button
- Select Resource and click "Move Selected" or double-click.
- You may select multiple or just one at a time
- Click Add Resource





Resources



- Resources will be added to Outage record.
- May enter more details start and end dates and comments
- REMEMBER to SAVE OUTAGE RECORD

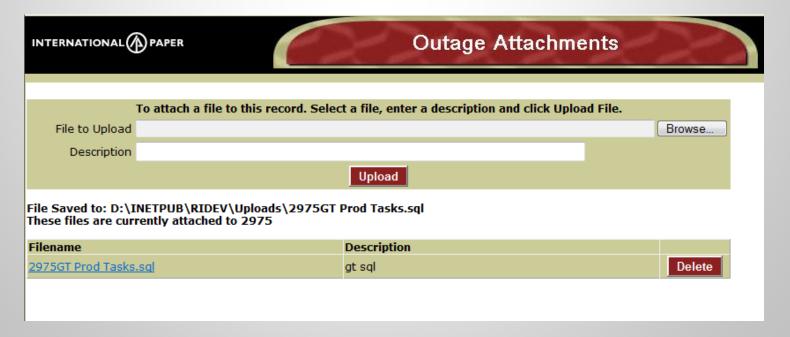
| Resources | | | | |
|---------------|---------------------|----------------------|--|-----------------|
| <u>Delete</u> | Resource | | are defaulted to Outage start/end s. Please update. | <u>Comments</u> |
| Delete | Motor-Albrinck, Amy | Start Date 7/28/2014 | End Date 7/28/2014 | A |



Attachments



- Attachments can be added immediately after the initial Outage information is Saved or at later date
- Click on Attachments button on bottom of screen
- Browse and select file to upload
- Enter Description of File
- Click Upload



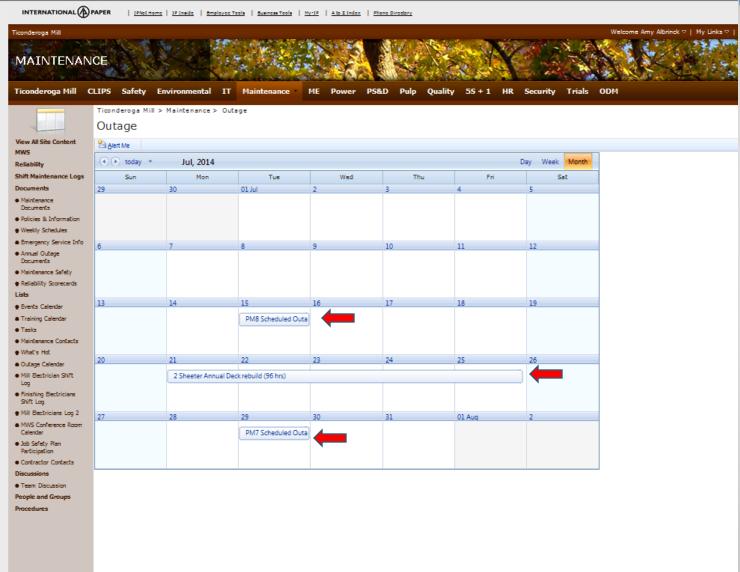


Enterprise Outage Sharepoint

- Facility Sharepoint templates automatically replicate site information from Outage Enterprise Database to Facility Sharepoint calendar.
- The facility Sharepoint calendar is located under the Maintenance Department site and named Outage Calendar.
- Example Ticonderoga
 http://spapp01.ipaper.com/sites/Ticonderoga/Main t/Lists/Outage/AllItems.aspx



Sharepoint Example





Sharepoint Example



Notice the Outage records for July

| INTERNA | TIONAL (| PAPER | | | View Outage P | lans | | | |
|------------|------------|------------|--------------|---------------------------|---|------------------------------|------------------------------|---|-----------------------------------|
| | Enter | Outage | | | View Update/Excel | Reports | | Data Maintenance | Help |
| Shutdow | ı Categor | V | | | | | _ | | |
| | | | l (No Dowe | r/Steam) 🗏 Co | d Mill (No Steam) 🔲 Total Mill (Utiliti | ioc Available) 🔲 Darti | ial Mill 🔲 Fiold Day | Major Project II I OO (Lack | of Orders) |
| M All O | itages _ | DIGCK PIII | I (NO FOWE | 1/3team) = co | a Mili (No Steam) - Total Mili (Otini | les Available) E Parti | al Mili 🛅 i leid Day | Hajor Project & Loo (Lack | or orders) |
| Site | | | | | | | | | |
| Division | P&C Pap | ers | - | Facility | Ticonderoga Mill | - B | usiness Unit All | • | |
| Area | All | | - | Line | All | → | | | |
| Date | | | | | | | | | |
| Start Da | te 7/1/20: | 14 🔯 ▼ | End Dat | e 12/31/2015 |] ▼ | Date | Range | v | |
| Title | | | | | | | | | |
| Coordina | tor | | | - | | | | | |
| Contract | | | | | - | Resources | | - | |
| | | | | | <u> </u> | Resources | | · | |
| Record C | utages O | nly 🔳 | | | | | | | |
| Record C | Julit. 11 | | | | View/Update | Excel Gantt View | | | |
| | | | | - " | | | | | |
| | | | End Date | Facility Ticonderoga Mill | Title PM8 Scheduled Outage | Shutdown Catego Field Day | ry Coordinator Tyler Mcqueen | | s Unit/Area PM-8 Paper Machine |
| 10322 | | | | Ticonderoga Mil | 2 Sheeter Annual Deck rebuild | av | Eric Spetelunas | Finished Products- | |
| 9875 | | | | Ticonderoga Mil | PM7 Scheduled Outage | Field Day | Tyler Mcqueen | | PM-7 Paper Machine |
| 9880 | Report 9 | | | Ticonderoga Mill | PM8 Scheduled Outage | Field Day | Tyler Mcqueen | | PM-8 Paper Machine |
| 9882 | | | | Ticonderoga Mill | Digester / Liquor Cycle Outage | Field Day | Ronald Clark | Pulp-Digesters-Dige | |
| | | | | Ticonderoga Mill | Woodyard Major Outage | Field Day | Ronald Clark | | |
| 9876 | Report 9 | /30/2014 | 9/30/2014 | Ticonderoga Mill | PM7 Scheduled Outage | Field Day | Tyler Mcgueen | Finished Products-F | PM-7 Paper Machine |
| | | | | Ticonderoga Mill | PM8 Scheduled Outage | Field Day | Tyler Mcqueen | Finished Products-F | PM-8 Paper Machine |
| 9883 | Report 1 | 1/6/2014 | 11/6/2014 | Ticonderoga Mil | Digester / Liquor Cycle Outage | Field Day | Ronald Clark | Pulp-Digesters-Dige | ester |
| 9877 | Report 1 | 2/9/2014 | 12/9/2014 | Ticonderoga Mil | PM7 Scheduled Outage | Field Day | Tyler Mcqueen | Finished Products-I | PM-7 Paper Machine |
| 8795 | Report 4 | /27/2015 | 5/22/2015 | Ticonderoga Mil | 2015 Ticonderoga Mill Annual Outage | Cold Mill (No Steam |) Dan Diehl | | |
| | Enter | Outage | | | View Update/Excel | Reports | | Data Maintenance | Help |
| English (l | Jnited Sta | ates): Eng | lish (United | States) Choos | Lanquage | | Database (RCFAPR | © 2008 International Paper Com D), Current User: Amy Albrinck (NAIPAPE | |



Reports



- Annual Completeness Scorecard
- Annual Preparedness Meeting Schedule
- Business Outlook
- Contractor Conflict
- Outage Gantt Chart
- Outages With No Contractors Assigned
- Task Item Listing
- Turbine Generator Scorecard

Annual Completeness Scorecard

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Run Date: 7/22/2014

Timeframe: 1/1/2014 to 12/31/2014

Search Criteria (date range)

Enterpise Outage Database

| | | 2014 | Spring 2014 Outages | Fall 2014 Outages |
|----------------|------------------|-------------------------------------|--|---|
| DIVISION | MILL | Outage Identified in Database | Outage Outage Contractor Identified in Coordinator ID'd in Database Named Database | Outage Outage Contractor Identified in Coordinator ID'd in Database Named Databas |
| | | | | |
| Brazil | | | | |
| | Mogi Guacu Mill | Y | N None 0 | Y SSOARE1 2 |
| | Tres Lagoas Mill | Y | Y LMATIEL 1 | N None 0 |
| Coated Paperb | oard | | | |
| | Augusta Mill | Y | Y PKLEMEN 2 | N None 0 |
| | Riegelwood Mill | Y | Y MMEDLOC 1 | N None 0 |
| | Texarkana Mill | Y | Y QGIROD 8 | N None 15 |
| Container Boar | rd | | | |
| | Bogalusa Mill | Y | Y MREED9 35 | N None 0 |
| | Cedar River Mill | Y | N None 0 | Y SCOLE6 1 |
| | Henderson Mill | Y | Y RDEKARS 1 | N None 0 |
| | Mansfield Mill | Y | Y CWARR14 25 | N None 1 |
| | Maysville Mill | Y | N None 0 | Y JHOWA30 7 |
| | Orange Mill | Y | Y USTACE1 3 | N None 1 |
| | Pensacola Mill | Y | Y TSHINGL 32 | N None 0 |
| | Pine Hill Mill | Y | Y JGIDDI1 24 | N None 0 |
| | Prattville Mill | Y | Y PHENDRI 14 | N None 1 |
| | Red River Mill | Y | N None 0 | Y DCONZON 1 |
| | Rome Mill | Y | N None 0 | Y PSMITH8 1 |
| | Savannah Mill | Y | Y MDALAL2 1 | N None 0 |
| | Springfield Mill | Y | N None 0 | Y DWAGGO1 1 |
| | Valliant Mill | Y | Y RMCCRIG 17 | N None 0 |
| | Vicksburg Mill | Y | Y CGUIMBE 1 | N None 0 |
| uropean Pape | <u>-</u> | | | |
| • | Kenitra Mill | Y | Y ARALAOUI 1 | N None 0 |
| | Kwidzyn Mill | · · | Y ZPIOTRO 1 | N None 0 |
| | Svetogorsk Mill | | Y SKARCHE 1 | N None 0 |

Page 1 of 2



Annual Preparedness Meeting Schedule

- Search Criteria (Site, Date Range, Coordinator)
- Only shows Annual Outages

| Annual C | Preparedness Meetir Outages Only pated Paperboard Facility: All Busin ordinator: All | _ | | : All | | | | | T | imeframe: | | te: 7/22/2014 to 12/31/2014 |
|-----------------|---|-----------------|-----------------|---------------|------|----------------------|-----------|-----------|-----------|--------------------------|-----|--------------------------------------|
| MILL | OUTAGE | COORDINATOR | OUTAGE START | OUTAGE END | DAYS | BUSINESS | Earliest* | Latest* | | paredness M M&R Lead™ | _ | Comments |
| Augusta Mill | #2 Turbine Generator Annual Outage. | Thomas Stephens | son26-Jan-14 | 31-Jan-14 | 5 | Coated Paperboard | 24-Nov-13 | 22-Dec-13 | 17-Dec-13 | SMITH | No | |
| Augusta Mill | Augusta Mill 2014 CMO - Spring Outage | Patrick Klement | 21-Feb-14 | 9-Mar-14 | 16 | Coated Paperboard | 20-Dec-13 | 17-Jan-14 | 23-Jan-14 | SMITH | Yes | |
| Texarkana Mill | No. 1 PM Spring 2014 Outage | Quincy Girod | 1-Apr-14 | 8-Apr-14 | 7 | Coated Paperboard | 28-Jan-14 | 25-Feb-14 | 6-Mar-14 | SMITH | Yes | Spring Outage 2 |
| Riegelwood Mill | Riegelwood Annual Outage | Mark Medlock | 7-May-14 | 22-May-14 | 15 | Coated Paperboard | 5-Mar-14 | 2-Apr-14 | 3-Apr-14 | SMITH | | Cold mill outage be from 5/12-5/1 |
| Texarkana Mill | No. 3 PM- Fall Outage 2014 | Quincy Girod | 6-Oct-14 | 14-Oct-14 | 8 | Coated Paperboard | 4-Aug-14 | 1-Sep-14 | 27-Aug-14 | SMITH | No | |



Business Outlook

Search Criteria (Category, Site, Date Range, Coordinator)

| | s Outlook | | | All 1: All | Run Date: 7/22/20 ⁻ Timeframe: 1/1/2014 to 12/31/20 |
|-----------|-----------------|------------------|------------------------------|--|---|
| | | age Coordinator: | iness Unit: All Area: All | All Line: All | |
| BUSINESS | OUTAGE START | OUTAGE END | MILL | OUTAGE | COORDINATOR |
| oated Pap | erboard | | | | |
| | 2-Jan-14 | 2-Jan-14 | Texarkana Mill | No. 7 Monthly Outage- Transformer Change | LARRY WOOD |
| | 8-Jan-14 | 9-Jan-14 | Augusta Mill | PM1 Field Day | JEFF KEY |
| | 13-Jan-14 | 13-Jan-14 | Texarkana Mill | Routine Outage No. 1 PM | KEVIN LAWING |
| | 14-Jan-14 | 14-Jan-14 | Texarkana Mill | Field Day Purchased Chips | MITCH WATKINS |
| | 26-Jan-14 | 31-Jan-14 | Augusta Mill | #2 Turbine Generator Annual Outage. | THOMAS STEPHENSON |
| | 29-Jan-14 | 29-Jan-14 | Texarkana Mill | Routine Outage Lamb Wrappper | ARTHUR DUKES |
| | 5-Feb-14 | 5-Feb-14 | Texarkana Mill | Routine outage No. 3 PM | DEAN MEREDITH |
| | 4-Feb-14 | 4-Feb-14 | Texarkana Mill | Field Day B-Line | JIM HAWKINS |
| | 11-Feb-14 | 11-Feb-14 | Texarkana Mill | Field Day Purchase Chips | MITCH WATKINS |
| | 21-Feb-14 | 9-Mar-14 | Augusta Mill | Augusta Mill 2014 CMO - Spring Outage | PATRICK KLEMENT |
| | 19-Feb-14 | 19-Feb-14 | Texarkana Mill | Routine Outage No.1 PM | KEVIN LAWING |
| | 18-Feb-14 | 18-Feb-14 | Texarkana Mill | No. 5 Extruder Monthly Outage | ROGER OSWALD |
| | 25-Feb-14 | 25-Feb-14 | Texarkana Mill | Field Day Longwood Yard | MITCH WATKINS |
| | 19-Mar-14 | 19-Mar-14 | Texarkana Mill | Routine Outage Lamb Wrapper | ARTHUR DUKES |
| | 20-Mar-14 | 20-Mar-14 | Texarkana Mill | No. 7 Extruder Monthly Outage | LARRY WOOD |
| | 18-Mar-14 | 18-Mar-14 | Texarkana Mill | Field Day Longwood Yard | MITCH WATKINS |
| | 25-Mar-14 | 25-Mar-14 | Texarkana Mill | Field Day B-Line | JIM HAWKINS |
| | 25-Mar-14 | 25-Mar-14 | Texarkana Mill | Skip on A-Line | EDEN NICODIMOS |
| | 25-Mar-14 | 25-Mar-14 | Texarkana Mill | SVP outage | JIM HAWKINS |
| | 1-Apr-14 | 8-Apr-14 | Texarkana Mill | No. 1 PM Spring 2014 Outage | QUINCY GIROD |
| | 31-Mar-14 | 14-Apr-14 | Texarkana Mill | NO. 1 RB Spring 2014 Outage | PAUL LAMARE |
| | 1-Apr-14 | 8-Apr-14 | Texarkana Mill | A-Line Spring 2014 Ourtage | EDEN NICODIMOS |
| | 31-Mar-14 | 14-Apr-14 | Texarkana Mill | No. 1 Kiln Spring Outage 2014 | WILLIAM TRIPP |
| | 1-Apr-14 | 1-Apr-14 | Texarkana Mill | Routine Outage No. 3 PM | DEAN MEREDITH |
| | 17-Apr-14 | 17-Apr-14 | Texarkana Mill | No. 5 Extruder Monthly Outage | ROGER OSWALD |
| | 26-Apr-14 | 24-Jun-14 | Augusta Mill | #1 Turbine Generator Annual Outage. | THOMAS STEPHENSON |
| | 7-May-14 | 22-May-14 | Riegelwood Mill | Riegelwood Annual Outage | MARK MEDLOCK |
| | 6-May-14 | 9-May-14 | Augusta Mill | Bark outage | THOMAS STEPHENSON |
| | 5-May-14 | 9-May-14 | Texarkana Mill | Annual I/R NCG System | RUSTY MCCRIGHT |
| | 6-May-14 | 6-May-14 | Texarkana Mill | No. 7 Extruder Monthly Outage | LARRY WOOD |



Contractor Conflict

Search Criteria (Category, Site, Date Range, Coordinator, Contractor)

| ENTERPRISE OUTAGE DATABASE CONTRACTOR - MILL CONFLICTS REPORT Divsion: All Facility: All Outage Coordinator: All Contractor: All | | | | | | | Run Date: 7/22/2014 ReportTimeframe: 1/1/2014 to 12/31/2014 | | | | | |
|--|------------------|-----------------|----------------------------------|-------------|-----------------|------------------|--|-------------------|-------------------|--|--|--|
| Contractor | Outage Number | Mill | Outage Title | Coordinator | Outage Start | Outage Finish | Prework Start | Prework Finish | Conflic Status | | | |
| Acuren | | | | | | | | | | | | |
| | 7915 | Pine Hill Mill | 2014 Pine Hill Major Outage | | 7-Mar-14 | 21-Mar-14 | 7-Mar-14 | 21-Mar-14 | N | | | |
| | 8395 | Valliant Mill | #2 Machine Annual Outage | | 16-Mar-14 | 31-Mar-14 | 16-Mar-14 | 31-Mar-14 | C | | | |
| | 8437 | Mansfield Mill | 2014 Mansfield Spring Outage | | 21-Apr-14 | 20-May-14 | 21-Apr-14 | 20-May-14 | Ċ | | | |
| | 8634 | Prattville Mill | PRATTVILLE 2014 SPRING OUTAGE | | 22-Apr-14 | 3-May-14 | 22-Apr-14 | 3-May-14 | С | | | |
| | 8394 | Valliant Mill | #1 Machine Annual Outage | | 10-May-14 | 24-May-14 | 10-May-14 | 23-May-14 | С | | | |
| ATS (Applied | d Techni | cal Services, I | nc.) | | | | | | | | | |
| | 8395 | Valliant Mill | #2 Machine Annual Outage | | 16-Mar-14 | 31-Mar-14 | 16-Mar-14 | 31-Mar-14 | С | | | |
| | 8254 | Bogalusa Mill | Bogalusa Mill - Annual Outage | | 24-Mar-14 | 1-Apr-14 | 24-Mar-14 | 1-Apr-14 | С | | | |
| Baker Indus | trial Serv | /ices | | | | | | | | | | |
| | 8254 | Bogalusa Mill | Bogalusa Mill - Annual Outage | | 24-Mar-14 | 1-Apr-14 | 24-Mar-14 | 1-Apr-14 | С | | | |
| | 9274 | Texarkana Mill | No. 1 PM Spring 2014 Outage | | 1-Apr-14 | 8-Apr-14 | 1-Apr-14 | 8-Apr-14 | С | | | |
| 3SI | | | | | | | | | | | | |
| | 7915 | Pine Hill Mill | 2014 Pine Hill Major Outage | | 7-Mar-14 | 21-Mar-14 | 7-Mar-14 | 21-Mar-14 | N | | | |
| | 8395 | Valliant Mill | #2 Machine Annual Outage | | 16-Mar-14 | 31-Mar-14 | 16-Mar-14 | 31-Mar-14 | С | | | |
| Cajun Valve | | | | | | | | | | | | |
| | 8254 | Bogalusa Mill | Bogalusa Mill - Annual Outage | | 24-Mar-14 | 1-Apr-14 | 24-Mar-14 | 1-Apr-14 | С | | | |
| | 9274 | Texarkana Mill | No. 1 PM Spring 2014 Outage | | 1-Apr-14 | 8-Apr-14 | 1-Apr-14 | 8-Apr-14 | С | | | |
| GE (General | Electric |) | | | | | | | | | | |
| | 8437 | Mansfield Mill | 2014 Mansfield Spring Outage | | 21-Apr-14 | 20-May-14 | 21-Apr-14 | 20-May-14 | С | | | |
| | 8634 | Prattville Mill | PRATTVILLE 2014 SPRING OUTAGE | | 22-Apr-14 | 3-May-14 | 22-Apr-14 | 3-May-14 | c | | | |
| | 8394 | Valliant Mill | #1 Machine Annual Outage | | 10-May-14 | 24-May-14 | 10-May-14 | 23-May-14 | С | | | |
| HMI (Heavy ∣ | Machine | s, Inc.) | | | | | | | | | | |
| | 8437 | Mansfield Mill | 2014 Mansfield Spring Outage | | 21-Apr-14 | 20-May-14 | 21-Apr-14 | 2-May-14 | С | | | |

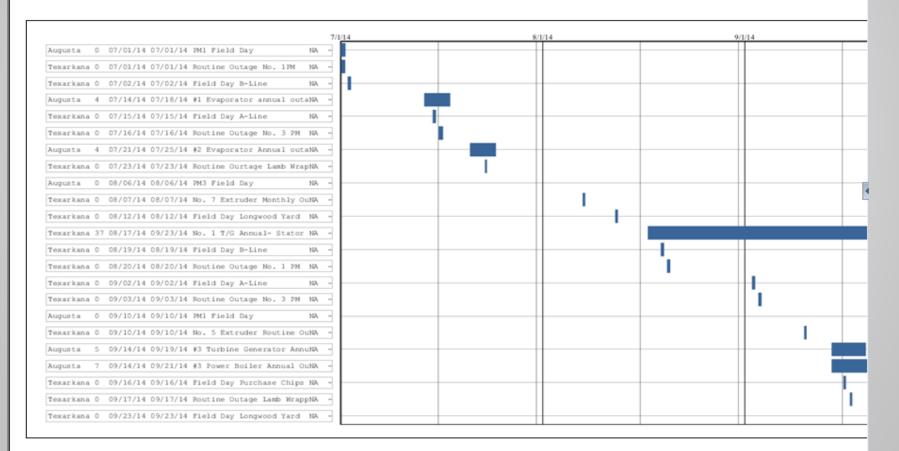


Outage Gantt Chart

Search Criteria (Site, Date Range)









Outages With No Contractors Assigned

Search Criteria (Site, Date Range)

ENTERPRISE OUTAGE DATABASE

OUTAGES WITH NO CONTRACTORS LISTED

Divsion: Coated Paperboard Facility: All Business Unit: All Area: All Line: All

Run Date: 7/22/2014 ReportTimeframe: 7/1/2014 to 9/30/2014

| MILL | OUTAGE | OUTAGE NUMBER | COORDINATOR | OUTAGE START | OUTAGE END |
|-----------|--|------------------|-------------------|-----------------|---------------|
| Augusta N | | | | | |
| | #3 Power Boiler Annual Outage | 9078 | THOMAS STEPHENSON | 14-Sep-2014 | 21-Sep-2014 |
| | #3 Turbine Generator Annual outage | 9080 | THOMAS STEPHENSON | 14-Sep-2014 | 19-Sep-2014 |
| | #1 Evaporator annual outage | 9241 | THOMAS STEPHENSON | 14-Jul-2014 | 18-Jul-2014 |
| | #2 Evaporator Annual outage | 9242 | THOMAS STEPHENSON | 21-Jul-2014 | 25-Jul-2014 |
| | PM1 Field Day | 10474 | JEFF KEY | 1-Jul-2014 | 1-Jul-2014 |
| | PM1 Field Day | 10475 | JEFF KEY | 10-Sep-2014 | 10-Sep-2014 |
| | PM3 Field Day | 10478 | ROBERT HERRICK | 6-Aug-2014 | 6-Aug-2014 |
| Texarkana | | | | | |
| | Routine Outage No. 1PM | 9365 | KEVIN LAWING | 1-Jul-2014 | 1-Jul-2014 |
| | Routine Outage No. 3 PM | 9386 | DEAN MEREDITH | 16-Jul-2014 | 16-Jul-2014 |
| | Routine Ourtage Lamb Wrapper | 9367 | ARTHUR DUKES | 23-Jul-2014 | 23-Jul-2014 |
| | Routine Outage No. 1 PM | 9368 | KEVIN LAWING | 20-Aug-2014 | 20-Aug-2014 |
| | Routine Outage No. 3 PM | 9389 | DEAN MEREDITH | 3-Sep-2014 | 3-Sep-2014 |
| | No. 7 Extruder Monthly Outage | 9426 | LARRY WOOD | 7-Aug-2014 | 7-Aug-2014 |
| | No. 1 T/G Annual- Stator Rewind, Bushings, Magnetics | 9431 | ROBERTHURLEY | 17-Aug-2014 | 23-Sep-2014 |
| | Field Day B-Line | 9507 | JIMHAWKINS | 2-Jul-2014 | 2-Jul-2014 |
| | Field Day A-Line | 9508 | EDEN NICODIMOS | 15-Jul-2014 | 15-Jul-2014 |
| | Field Day Longwood Yard | 9509 | MITCH WATKINS | 12-Aug-2014 | 12-Aug-2014 |
| | Field Day B-Line | 9510 | JIMHAWKINS | 19-Aug-2014 | 19-Aug-2014 |
| | Field Day A-Line | 9511 | EDEN NICODIMOS | 2-Sep-2014 | 2-Sep-2014 |
| | Field Day Longwood Yard | 9512 | MITCH WATKINS | 23-Sep-2014 | 23-Sep-2014 |
| | Field Day Purchase Chips | 9519 | MITCH WATKINS | 16-Sep-2014 | 16-Sep-2014 |
| | No. 5 Extruder Routine Outage | 10856 | ROGER OSWALD | 10-Sep-2014 | 10-Sep-2014 |
| | Routine Outage Lamb Wrapper | 10857 | ARTHUR DUKES | 17-Sep-2014 | 17-Sep-2014 |
| | | | | | |



Task Item Listing



MTT Task Item Listing - Facility

Due Date: All

Business: All, Region: All, Facility/Location: Augusta Mill, BusUnit: All, Area: All, Responsible Person: All, Created By: All, Source System: All, Reference: All, Title: All

| Colonted ' | Tack 1 | Tunor: | ΔH | Colooted 1 | Tack Activities: | ΛII | Status: Open | |
|------------|--------|--------|-----|------------|------------------|-----|--------------|--|
| Selected | ıask | IVDes: | All | Selected | lask Activities: | ΑП | Status: Oben | |

| Task# | Task Title | Type/Activity | Task Item Title | Source System /Reference | Due Date | Complete Date | Responsible Person/ |
|---------------|--|-------------------------|---|-----------------------------|-------------|------------------|-----------------------------------|
| Augusta | Mill | | | | | | |
| 14887-259734 | REMOVING WOOD 2 PL SCREEN ROOM START/STOP OPTIONS FOR B/19 - B/20 | CProject/Other / MOC | Get red - line drawings from I&E techs. Power House to Area Reliaiblity Engineer for drawings updates - copies will then need to b distributed. | MOC/ 1157 | 06/24/2011 | ! | BARRY HALL /Augusta Mill |
| 15382-263517 | Bark hog temperture monitoring | Project/Other / MOC | Ensure Documentation updated | MOC/ 1513 | 11/30/2011 | ! | JOE DAVIS1 /Augusta Mi |
| 24729-331285 | PM1 728 Roll change Reducer and Sheave | Project/Other / MOC | Update BOM information and FL da for the 728 reducer | taMOC/ 1696 | 03/30/2012 | ! | DWIGHT SHELTON /Augusta Mill |
| 31984-360736 | Install new batch wash shower bars 1st and 2nd top felts | Project/Other / MOC | Update Functional Location Description For Top Batch Wash Showers | MOC/ 1883 | 03/30/2012 | ! | DWIGHT SHELTON /Augusta Mill |
| 31984-360737 | Install new batch wash shower bars 1st and 2nd top felts | Project/Other / MOC | Update SAP BOM to include new shower nozzles | MOC/ 1883 | 03/30/2012 | ! | DWIGHT SHELTON /Augusta Mill |
| 11884-688088 | Quality: Safety | Quality / Audit | Develop HIT audit checklist | 1 | 08/31/2012 | ! | CHARLES THOMPSON /Augusta Mill |
| 11145-242725 | LIFE Project - Motorized Equipment Phase 1 Site Recommendations | Health & Safety / Other | T3C- Skills evaluation conducted for each lift truck operators | rMTT Replication/ 10700 | 09/30/2012 | ! | Health & Safety /Augusta Mill |
| 77308-687420 | Quality: Departmental Meeting Action Items | Quality / Other | Soft End Roll Test Procedure | 1 | 10/12/2012 | ! | CHARLES THOMPSON /Augusta Mill |
| 172720-720287 | HAGGLUNDS DRIVE MO 3 IN-HOUSE MODIFICATIONS | DProject/Other / MOC | Modify CMMS (Description/BOM) for MOC 2648 HAGGLUNDS DRIVE MOD 3 IN-HOUSE MODIFICATION | | 12/06/2012 | ! | WAYNE MCKETTRICK /Augusta Mill |
| 173827-726164 | Pipe water from hot water tank to the trim squirts | Project/Other / MOC | Modify Equipment Files/Process Florawings for MOC 2724 Pipe water from hot water tank to the trim squi | | 12/22/2012 | ! | DWIGHT SHELTON /Augusta Mill |
| | overdue task items | Denotes Completed | I Late task items | _ | | | Page 1 of 164 7/22/2014 |

Secure tasks are not displayed unless valid security access exists for that task for the report requestor

INTERNATIONAL (A) PAPER

Turbine Generator Scorecard

Search Criteria (Site, Date Range, Outage Number)

| | | | | Ргосевь Вгеак | down | > -504 | > -21 | > -21 | > -77 | > -77 | > -77 | > -77 | > 77 | > 77 | > 77 | > 77 | S<3 | \$<3 | >7 | >7 | %>10% | \$>10 | N×2 | <40 | <40 |
|----------------------|----------|-------------------------------|---------|-------------------------------------|-------------------|--|----------------------------------|---|----------------|-------------------------|----------------------|-------------------------------------|---------------------------------|----------------------------------|--------------------------------|-----------------------|--------------------|-------------------------|--------------------------------------|-------------------------------------|---|--------------------------------------|------------------------------|---|--|
| INTERNATIONAL | | _ | | Improve | | -504×= -525 | -21<= -28 | -21<= -28 | -77≪= -84 | -77≪= -84 | -77≪= -84 | -77<= -84 | 77 <= 63 | 77 ×= | 77 <= 63 | 77 <= 63 | 3 >=4 | 3>=4 | | | 10%<= 5% | \$10<= | 2<=1 | 40>70 | 40>70 |
| Turbine Gener | ator Out | tage Scorecard | | | | | | | | | | | | | | | | | | | | 40 | N-5 | . 70 | . 74 |
| | | | | Met Exped | tations | < -525 | < -28 | < -28 | < -84 | < -84 | < -84 | < -84 | < 63 | < 63 | < 63 | < 63 | \$>4 | \$>4 | | | %<5% | \$<\$5 | N=0 | >70 | >70 |
| | (| General Informa | tion | | | | Turbi | ine Gen | erator | Outag | e Score | s | Po | st Out | tage So | ores | | ı | dditio | nal An | alysis D | ata | | Final | Scores |
| Mili - Unit | Scope | Outage | Start 0 | AL Outage Date/ End Duration) | Outage Coord | Major First Preoutage Meding On Time | Najor Second PreoutsgeMeeting | Nejor Inspection PPA or FMEA (GE United | STORM? STEP | Winor Only Prepulage | PO leased On Time | PO Insued On Time Service and | GE/DEM Report Impact On Time | FEPAS on t On Time | PTGMCMF Survey Sort On Time | Post Outage Meding | FBASurvey Score | PTGMCMF Survey Score | Outage Start vs Actual (+ = late) | Outage Duration Adulates Planned | (+ = lete) % Cost Variance (+ - Overna) | Actual vs Planned Cost (900) (+ = | Commercial lances Pending | Turbine Repair Project Store Calculated | Turbine Repair Project Score(Subjective) |
| Texarkana - No. 1 | . Major | 8/17/2014 - 9/23/2014 (37) | None | | Hurley, Robert | | | | | | | | • | • | • | 0 | | | | | • | 0 | | | |



Data Maintenance



- Resources
- Outage Templates



Resource Maintenance



- Resources are enterprise wide not site specific
- Can add anyone with a discipline

| NTERNATIONAL (A) PAPER | Add | ditional Resourc | es | |
|-------------------------|------------------------------|------------------|---------|------------------|
| Enter Outage | View Update/ | Excel | Reports | Data Maintenance |
| lease select a Facility | Person | Discipline | | |
| Eastover Mill | ▼ | · · | | Add |
| erson | Discipline | | | |
| HASCIN, BERNIE | Operations Manager | | | Delete |
| AKER, BENNY | M&R COE Lead | | | Delete |
| OORE, BECKY | EHS Manager - Maysville | | | Delete |
| CHIDLE, BOB | E&M Manager | | | Delete |
| CHIDLE, BOB | E&M Manager - Maysville | | | Delete |
| LARK2, CASEY | Paper Area Manager - PM 8 | | | Delete |
| OSTIE, CHRISTOPHER | Maintenance Manager | | | Delete |
| UGHES, CLINTON | Paper Area Manager - PM 8 | | | Delete |
| EIBAUM, CHRISTOPHER | Pulp Mechanical Planner | | | Delete |
| /ILLIS, CHOL | Pulp E/I Leader | | | Delete |
| ARTER, DAVID | Safety Manager | | | Delete |
| HAVIS, DAVID | Pulp Mechanical Leader | | | Delete |
| LACK, DOUG | Pulp / Power Manager | | | Delete |
| ALL, DONOVAN | Paper Area Manager - PM 7 | | | Delete |
| NGRAM, DONALD | Paper Area Maintenance Leade | er | | Delete |
| AMBERT, DAWN | Maintenance Coordinator | | | Delete |
| AGEE, DONALD | Reliability Mechanic | | | Delete |
| ODD, DOUGLAS | M&R COE Lead | | | Delete |
| /ILLIAMS, DAVID | Paper Mechanical Planner | | | Delete |
| RRUFAT, FRANK | Pulp Business Unit Manager | | | Delete |



Outage Template



Select template you want to update

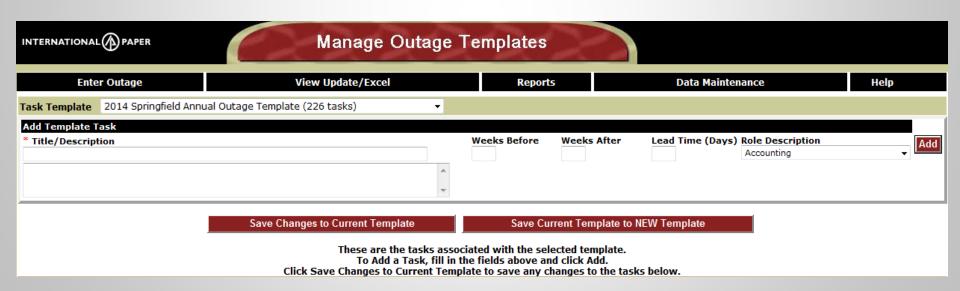
| INTERNATIONAL (A) PAPER | Manage Outage Te | mplates | | |
|-------------------------|-------------------|---------|------------------|------|
| Enter Outage | View Update/Excel | Reports | Data Maintenance | Help |
| Task Template | • | | | |
| | | | | |
| | | | | |



Outage Template



- All Tasks will be displayed
- Add new task by entering fields and clicking Add
- Click Save Changes to Current Template if you've made any changes to the tasks in the list
- Click Save Current Template to NEW template if you want to create a new template.
 You will be prompted for a new template name.





Outage Template



• Title, weeks before, weeks after, lead time, primary role and area roles

| INTERNATIONAL PAPER Manage Outage | Te | mplat | es | | | | |
|--|----------|-----------------|----------------|------------------------|----------------------|--------------|--------|
| Enter Outage View Update/Excel | | Re | ports | | Data Maintenan | ce Help | |
| Task Template 2014 Springfield Annual Outage Template (226 tasks) ▼ | | | | | | | |
| Add Template Task | | | | | | | |
| * Title/Description | w | eeks Befo | re We | eks Afte | | | Add |
| | | | | | A | counting | |
| Ţ. | | | | | | | |
| Save Changes to Current Template | | Sav | e Current | Template | to NEW Template | | |
| These are the tasks asso To Add a Task, fill in Click Save Changes to Current Temp | the f | ields abov | e and clic | ck Add. | | | |
| Title/Description | | Weeks Before | Weeks After | Lead Time (Days) | Primary Role | Area Role(s) | |
| MILESTONE: Annual outage planning process initiated. | | 39 | | 0 | Outage Coordinator - | - | Delete |
| | - | | | | | | |
| | - | | | | | | |
| | | | | | | Ţ | |
| | | | | | | · | |
| | | | | | | | |
| Annual outage date and duration identified, considering other conflicts of other | | 39 | | 0 | Outage Coordinator | - | Delete |
| Annual outage date and duration identified, considering other conflicts of other | ^ | | | | | - | |
| facilities both within and outside of IP. | - | | | | | | |
| | | | | | | Ţ | |
| | | | | | | ÷ | |
| | | | | | | | |
| Enterprise outage calendar updated with annual outage date and duration informat | | 39 | | 0 | Outage Coordinator | | Delete |
| Enterprise outage calendar updated with annual outage date and duration | ^ | | | | | | |
| information. (Confirm that this was done. Should have been done at the end of last | - | | | | | | |
| | | | | | | Ţ | |
| | | | | | | Ť | |
| | | | | | | | |



Opportunities

Outage Database Presentation



