WorkFace Planning
Best Practice XVI
Conference

Jeph Virtue

May 21, 2008
This Year’s Sweat Equity

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<th>Jeph Virtue (Chair)</th>
<th>Suncor</th>
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<td>Darrell Coughlin</td>
<td>Flint Energy</td>
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<td>Roger Van Den Bossche</td>
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<td>Ray Johnson</td>
<td>Bantrel</td>
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<td>Doug Hawkins</td>
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<td>George Jergeas</td>
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<td>Lloyd Rankin</td>
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<td>Raymond Rewcastle</td>
<td>Lockerbie &amp; Hole</td>
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<td>Dave Witskin</td>
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<td>Bill Luxton</td>
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<td>Gary Semaniuk</td>
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<td>John Vincent</td>
<td>Worley Parsons/Colt</td>
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<td>Kalvin Tsang</td>
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<td>Kelly Jawhari</td>
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<td>Morris Youell</td>
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<td>Geoff Ryan</td>
<td>Insight-WFP</td>
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<td>Niels Frederiksen</td>
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<td>Sandy MacElheron</td>
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<td>Maurice D’Aoust</td>
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<td>Preston Noton</td>
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<td>Todd Rapp</td>
<td>Fluor Canada</td>
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<td>Ron Embury</td>
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<td>Paul Kristensen</td>
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<td>Randy Regan</td>
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<td>Linda Savage</td>
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<td>Stewart Garry</td>
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<td>Jerry Bell</td>
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Added more Owners for Implementation Phase
WorkFace Planning Definition

- WorkFace Planning is the process of organizing and delivering all the elements necessary, before work is started, to enable craft persons to perform quality work in a safe, effective and efficient manner.
Owner Commitment

Canadian Natural
Delivering the Future

Suncor Energy

Total

Shell

Nexen

Syncrude
Securing Canada’s Energy Future

Petro-Canada

Suncoco

ConocoPhillips
WorkFace Planning

“Plan the Work”

Dedicated Planner

Materials & Equipment Coordinators

“Release the Work”

Field Installation Work Package

- Safety Requirements
- Tools
- Equipment
- Trades/Specialists
- Detailed Plan
- Drawings
- Vendor Info.
- Materials
- Supervisor Review

1 day to 4 weeks of defined scope.

“Work the Plan”

Supervisor

Prerequisites

- Team
- Tools

Scope

Tool Time Improvement

- 37%
- 47%
With WorkFace Planning

Improved:
Safety
Schedule Predictability
Productivity
Quality
Morale

Without….?
Evidence Building But Need More

• 2 Identical Hydrotreater Projects:
  – Project using WorkFace Planning had 25% better productivity and better schedule predictability

• COAA Award Submission:
  – Ledcor (Nisku Mod Shop):
    • 25% productivity savings vs. historical
  – Jacobs (Petro-Canada RCP Sulphur Project):
    • reduced wait time, no labour disputes, improved tracking and schedule performance

• COAA Benchmarking
  – WorkFace Planning scorecard key elements added
  – Rigorous and credible
• Rules and Scorecard Update
  – Timeline
  – Champion and Sponsor
  – Owner Execution Strategy

• CWP Best Practice

• Flowchart
  – Work Process
Training

• ½ Day Essentials
  – Executive, Management, Supervision
  – Owner, EPCM, Construction Contractors

• 4 Day Fundamentals
  – WorkFace Area and Integration Planners, Champions, Coordinators (Equipment, Material, Tool, Scaffold)
  – Owner, Construction Contractor, Construction Manager

• Book now … learn more at the booth.
1/2-day course
- Bantrel
- Bird
- Chemco Electric
- Fluor
- Graham
- Hatch Energy
- Jacobs
- Ledcor
- Monad Industrial Constructors
- PCL Industries
- Petro Canada
- Pillar Oilfield Projects
- Shell Canada Energy
- SNC Lavalin
- Steeplejack
- Suncor
- Syncrude
- ThyssenKrupp Safway
- TIC Canada

4-day course
- Aluma Systems
- Bantrel
- Flint Energy
- Fluor
- Graham Industrial
- Horton CBI
- Intergraph
- IPA
- Ironworkers 720
- Jacobs
- JV Driver
- Steeplejack
- Suncor
- Technip
- TIC Canada
- Waiward Steel
- Worley Parsons Colt
Working the Plan
Pipe Rack “WFP” Assembled
HOME

WorkFace Planning is Here.

It’s considered a Best Practice of the Construction Owner’s Association of Alberta. It’s about getting the right things to the right people at the right time to save money and improve productivity in your large-scale construction projects.

Take a few minutes to click through this website and get an overview & executive summary of WFP as well as in-depth information about the WFP model and processes (from high-level theory to practical application) with implementation guides and sample WFP-specific document templates and reference sheets.

Note: You will need the Adobe Reader to view PDF files. Click the below icon to download the free version.

Are you looking for the WorkFace Planning courses offered through SAIT?

WFP Training Programs

| WorkFace Essentials (CNST-164) | 1/2 Day WorkFace Planning overview course |
| WorkFace Planning Fundamentals & Work Packaging (CNST-244) | 4 Day WorkFace Planning course |

Click here for a sample brochure outlining both courses

Go to www.coaa.ab.ca and navigate to Best Practices > WorkFace Planning for more on the courses or go to www.sait.ca/coned and do a course code search for the course info pages (CNST-164; CNST-244).
3) Determining Required FIWP

The construction management team needs to determine which FIWP are required to construct the CWP.

The slide show below provides a simplified example of how a design area can be broken into a series of CWP that can be further broken into a series of discipline-specific FIWPs:

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This website is for informational purposes only. There is no warranty implied or explicit as to the accuracy of the information contained within or to its efficacy on actual projects.

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Next Year’s Focus

- Best Practice developing the Path of Construction
- More verification
- Execution Strategy Template
- Designated Occupation
- Presentations to ENR, CURT, PMI
Workshop

Presentation
  – WorkFace Planning Overview

Panel Discussion:
  – Industry leaders using WorkFace planning now
  – Lessons Learned….share your learnings too
Learnings

How well did you do your Path of Construction?
More Info

www.coaa.ab.ca

Thankyou