

Managing JHA's

"Making JHA's part of our normal operations"

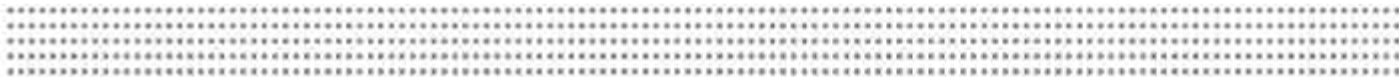
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25 March 2004



Job Hazard Analyses Links

- JHA's & Routine Operations
- JHA's & Standard Operating Procedures
- JHA's & Permits
- JHA Decision Tree
- JHA Management Plan



JHA's & "Routine Operations"

What does "Routine" mean?

- Habitual, mechanical, regular, repetitious, normal
- Routine tasks can still be high risk
- Jumping out of airplanes is "routine" for a skydiver
- Need to stop and go through some type of checklist:
 - Do I have a parachute on?
 - Do I know how to open it?
 - Are we high enough to jump?
 - Have I ever done this before?



Standard Operating Procedures

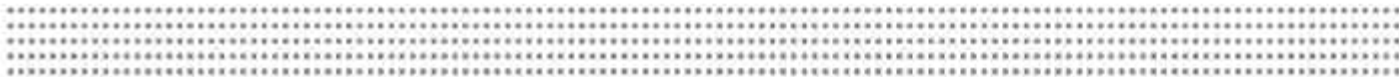
So what if we have a SOP?

- Does it capture all the Hazards?
- Does it control all the Hazards?
- Does it have “hold points”?
- Does it call for a JHA for changed conditions?



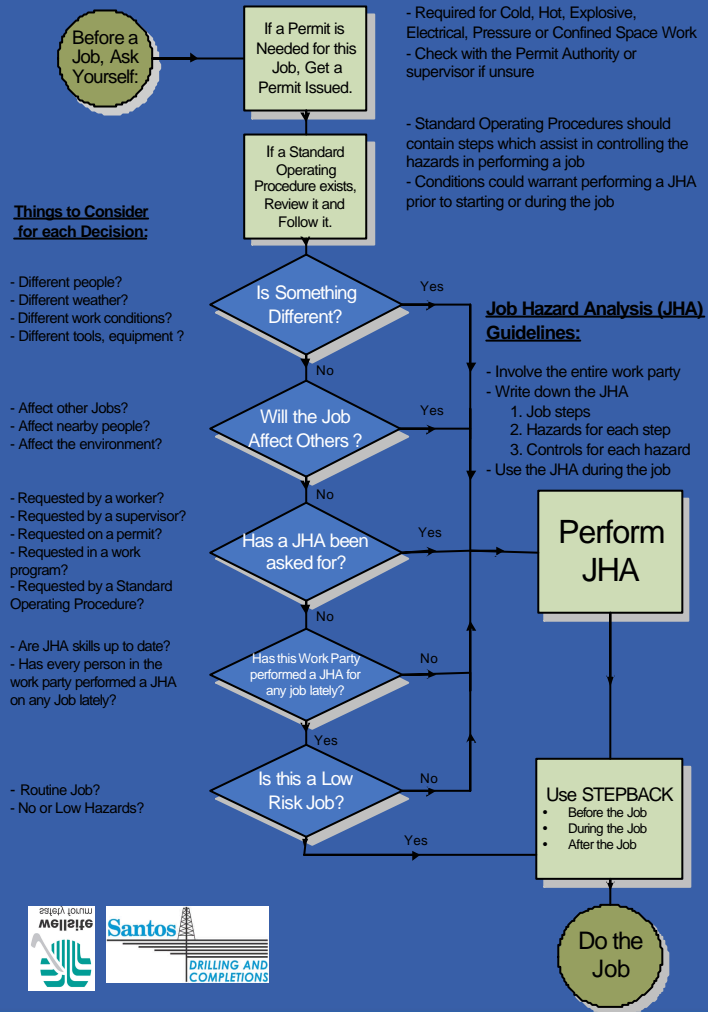
JHA's & Permits to Work

- Permit systems mainly for work scheduling/planning, certainly assist in improving safety
- Even with a Permit, still need to perform JHA
- Consider making it mandatory to perform a JHA with every permit for a period of time, until it becomes “part of your normal operations”



JHA Decision Tree

WHEN DO YOU PERFORM A JHA?



JHA Management Plan

Drilling & Completions JHA Management Plan

DATE UPDATED: 9 January 2004

Mission: "Make JHA's part of our normal operations"

Vision: "We are competent to identify, assess & control the hazards in the work we do."

Objective	Actions	Target	Responsibility for Action	Completion Date
Awareness / Training	Develop Decision Tree & launch	Develop Mid January, Launch throughout Jan & Feb, distribute at Wellsite Safety Forum	PR, TG, JE JE	
	Prepare document on difference between a SOP & a JHA & distribute.	Prepare end January, Distribute throughout Feb & at Wellsite Safety Forum	TG JE	
	Rollout EHSMS Standard 9.1 on JHA's & Stepback	February & March	TG, JE, Supervisors	
	Prepare a bulletin on Routine Work and rollout. (Need contractor champions)	Prepare end January, Rollout alternating with SOP vs JHA distribution	TG, JE Contractor Champions	
	Rollout JHA & Stepback promotion materials to office and contractors	February & March	JE	
	Perform desktop JHA's to ensure competencies	February & March	JE to facilitate	

JHA Management Plan

Drilling & Completions JHA Management Plan

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Objective	Actions	Target	Responsibility	Completion Date
Effectiveness	Perform assessments of JHA effectiveness using new form	Develop form January Perform assessments March Summarise at Wellsite Safety Forum late March	TG JE, Comp Snr Supv, Drlg Supt, Frac Engr JE	
	Tie in JHA's with Wellsite Permits	Develop summary paper Feb Distribute to D&C contractors at Wellsite Safety Forum	TG TG, JE	
	Seek JHA Management Plans from contractors	Develop template March Seek	TG Contract Representatives	
	Test viability of making it mandatory to perform JHA with every permit for 3 month period	Review current permits and JHA's to establish baseline Seek feedback from contractor champions	JE JE	
Administration	Modify standard JHA form to include "Responsibility" column	Clear through Santos EHS Rollout at Wellsite safety Forum	JE JE	
	Develop guidelines on collection, storage & access to previous JHA's	Confirm what Santos does March Develop standard guidelines	JE JE	