Table for Applying the Risk-based Decision-making Process

Step 1: Establish the Decision Structure Step 1a: Define the decision	
Specifically describe what decision(s)	
must be made. Major categories of decisions include (1) accepting or	
rejecting a proposed facility or operation,	
(2) determining who and what to inspect,	
and (3) determining how to best improve a facility or operation.	
	tine who needs to be involved in the decision
Description:	
Identify and solicit involvement from	
key stakeholders who (1) should be	
involved in making the decision or (2)	
will be affected by actions resulting from the decision-making process.	
Step 1c: Identify the options available to the decision maker	
Description:	
Describe the choices available to the	
decision maker. This will help focus	
efforts only on issues likely to influence	
the choice among credible alternatives.	
Step 1a: Identify the factors Description:	s that will influence the decision (including risk factors)
Description.	
Few decisions are based on only one	
factor. Most require consideration of	
many factors, including costs, schedules, risks, etc., at the same time. The	
stakeholders must identify the relevant	
decision factors.	
Step 1e: Gather information about the factors that influence stakeholders	
Description:	
Perform specific analyses (e.g., risk	
assessments and cost studies) to measure	
against the decision factors.	

Step 2: Perform the Risk Assessment Step 2a: Establish the risk-related questions that need answers		
		Description:
Decide what questions, if answered,		
would provide the risk insights needed by		
the decision maker.		
Step 2b: Determine the risk-related information needed to answer the questions		
Description:		
Describe the information necessary to		
answer each question posed in the		
previous step. For each information		
item, specify the following:		
 Information type needed 		
 Precision required 		
Certainty required		
 Analysis resources (staff-hours, 		
costs, etc.) available		
Step 2c: Select the risk analysis tool(s)		
Description:		
Select the risk analysis tool(s) that will		
most efficiently develop the required		
risk-related information.		
Step 2d: Establish the scope for the analysis tool(s)		
Description:		
Set any appropriate physical or analytical		
boundaries for the analysis.		
*	k-based information using the analysis tool(s)	
Description:		
Apply the selected risk analysis tool(s).		
This may require the use of more than		
one analysis tool and may involve some		
iterative analysis (i.e., starting with a		
general, low-detail analysis and		
progressing toward a more specific, high-		
detail analysis).		

Step 3: Apply the Results to Risk Management Decision Making		
Step 3a: Assess possible risk management options		
Description:		
Determine how the risks can be managed most effectively. This decision can include (1) accepting/rejecting the risk or (2) finding specific ways to reduce the risk.		
Step 3b: Use risk-based information in decision making		
Description:		
Use the risk-related information within the overall decision framework to make an informed, rational decision. This final decision-making step often involves significant communication with a broad set of stakeholders.		
Step 4: Monitor Effectiveness Through Impact Assessment		
Description:		
Track the effectiveness of actions taken to manage risks. The goal is to verify that the organization is getting the expected results from its risk management decisions. If not, a new decision-making process must be considered.		
All Steps: Facilitate Risk Communication		
Description:		
Encourage two-way, open communication among all stakeholders so that they will:		
 Provide guidance on key issues to consider Provide relevant information needed for assessments Provide buy-in for the final decisions 		