
Publications Catalogue

July 2010

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NOTE: Other publications to reference

- Oil Spill Publications - For information on oil spill publications, contact Al McFadyen, Western Canada Spill Service (WCSS) at 403-250-9606. CAPP no longer produces or distributes publications related to oil spills.



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Atlantic Canada

Atlantic Canada Offshore Petroleum Industry - Supply Chain Management

Aug 2004 Pub #: 2004-0013 12 p. Price:\$ 0

Available: Electronic

(E) This document contains the recommended practices between offshore operators and supply/service organizations operating in Atlantic Canada to improve their commercial working relationship. Through the sharing of information and streamlining the supply chain management process, it will make the procurement of goods and services for the offshore petroleum industry in Atlantic Canada more efficient and effective. Operators are also encouraged to provide this document to their major contractors and encourage its use in their relationship with supply/service organizations. Supply/Service Associations are also encouraged to share this document with their membership and encourage its use in their members' relationship with oil and gas producers and their major contractors.

Atlantic Canada Offshore Petroleum Industry Escape, Evacuation and Rescue Guide

Jun 2010 Pub #: 2010-0017 34 p. Price:\$ 0

Available: Electronic

(E) The Atlantic Canada Offshore Petroleum Industry Escape, Evacuation and Rescue Guide is the culmination of a joint effort among offshore industry operators, drilling contractors and regulatory authorities. The resulting Guide is intended to assist operators with respect to escape, evacuation and rescue (EER) by establishing the broad performance goals of escape, evacuation and rescue emergency response. The concept of a performance or goal based approach to escape, evacuation and rescue was envisioned in the report by the Royal Commission on the Ocean Ranger Marine Disaster, 1985 recommendations 81 and 107. For the first twelve months after publication, CAPP will be collecting [feedback](http://www.capp.ca/getdoc.aspx?DocId=166146&DT=PDF) from users of the guide.

Atlantic Canada Offshore Petroleum Industry Standard Practice for the Training and Qualifications of Personnel

Apr 2008 Pub #: 2008-1038 128 p. Price:\$ 0

Available: Electronic

(E) This document contains a concise description of the minimum qualifications and certified safety training required of individuals working in Atlantic Canada's offshore petroleum industry and is intended for operators of offshore installations in Atlantic Canada. The document has been produced as an effort to remedy the deficiencies found in the formal training of offshore workers in Atlantic Canada. The requirements have been made sufficiently broad to allow their application to each type of installation likely to operate in Atlantic Canada's offshore areas. Future editions will likely be applicable to all Canadian offshore areas.

Canadian East Coast Offshore Operators Non-attributable Fisheries Damage Compensation Program

Feb 2007 Pub #: 2007-0002 24 p. Price:\$ 0

Available: Electronic

(E) The Canadian East Coast Offshore Operators Non-attributable Fisheries Damage Compensation Program (the program) is a program the fishing industry can follow as an alternative to making a claim through the courts or other regulatory authorities. Although claims for loss or damage can be made under the laws applicable in Canada, this program offers a simpler, less expensive, confidential process for obtaining appropriate compensation. The intent of this program is to demonstrate the commitment of CAPP's members who operate in the Atlantic Canada offshore area to the efficient and fair resolution of claims proven to be attributable to upstream oil and gas activity and not attributable to any one particular operator. The program provides a basis for addressing damage to the vessel or gear of aquaculturists or commercial fish harvesters.

Canadian East Coast Offshore Petroleum Industry Safe Lifting Practices

Nov 2007 Pub #: 2007-0001 62 p. Price:\$ 0

Available: Electronic

(E) The Canadian East Coast Offshore Petroleum Industry Safe Lifting Practices Respecting: Offshore Pedestal Cranes, Offshore Containers, Loose Gear, Other Lifting Devices, and Operational Best Practices was developed by a working group with representatives of Industry, the Offshore Petroleum Boards and Certifying Authorities to outline industry "best practices" for operators responsible for the management, planning and execution of offshore lifting operations and to assist in the interpretation of applicable legislation and standards. Considered within the Practice are safe design requirements, manufacture, certification, testing, maintenance and inspection requirements for pedestal cranes, offshore containers, loose gear and lifting devices. Operational best practices for lifting operations and a process for equivalencies are also included.

Drilling an Offshore Well in Atlantic Canada

Aug 2005 Pub #: 2005-0025 4 p. Price:\$ 0

Available: Electronic;Print

(E) This brochure describes the process of drilling an offshore well, focusing on exploration and delineation wells and the drilling equipment used.

Emergency Planning and Response in Atlantic Canada

Aug 2005 Pub #: 2005-0021 4 p. Price:\$ 0

Available: Electronic;Print

(E) Industry's approach is first to prevent emergencies from happening and secondly to develop advance response plans to deal quickly and efficiently with any emergency that may arise. The brochure describes prevention and response plans for oil spills as an example. Government must approve

(S) Relates to CAPP's Environment, Health and Safety Stewardship program

(E) An electronic version may be downloaded from CAPP's public site www.capp.ca. Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.

such emergency prevention and response plans. This is one in a series of brochures describing activities in Canada's offshore upstream petroleum industry.

Est. of Direct HR Requirements Offshore Exploration & Production Nfld and Nova Scotia 2000-2010

Oct 1999 Pub #: 1999-0024 162 p. Price:\$ 0

Available: Electronic

(E) With the increased oil and gas industry activity in Atlantic Canada, CAPP has opened offices in Halifax, NS and St. John's, NL. CAPP members involved in the Atlantic Canada Oil and Gas Industry have expressed a desire to compile reliable summary data regarding total projected demand for human resources and training in a variety of disciplines in the foreseeable future.

Health and Safety in the Offshore Oil and Gas Industry in Atlantic Canada

Aug 2005 Pub #: 2005-0022 4 p. Price:\$ 0

Available: Electronic;Print

(E) This brochure outlines what the industry is doing to ensure their operations in Atlantic Canada are safe and healthy places to work. It also describes workplace training, workers' involvement in health and safety issues and the regulations that oversee health and safety offshore.

Managing Produced Water in Atlantic Canada's Offshore Oil and Gas Industry

Jan 2009 Pub #: 2008-1042 4 p. Price:\$ 0

Available: Electronic

(E) Water is an integral part of oil and gas production. In the offshore, water that has been extracted from an oil and gas reservoir - or produced water - must be treated and disposed of in a manner that is safe and environmentally responsible. This brochure explains how produced water is treated and disposed of and discusses the potential impacts of produced water on the environment.

Medical Assessment Guidelines for Fitness to Work Offshore

May 2001 Pub #: 2001-0005 23 p. Price:\$ 0

Available: Electronic

(E) Guidelines intended for the use of physicians completing the medical examination for fitness to work offshore. Discusses policy issues such as objectives of the medical assessment, the offshore workplace, the examination, assessment of fitness, and confidentiality of medical information. Provides guidance on specific conditions that may affect medical fitness to work offshore, i.e., "red flags". Includes list of required medical investigations, required testing based on special job categories, and recommended medical questionnaire/examination form and fitness certificate.

Nova Scotia's Oil and Natural Gas Industry: Contributing to a Strong Provincial Economy

Oct 2008 Pub #: 2008-1037 2 p. Price:\$ 0

Available: Electronic

(E) Provides an overview of Nova Scotia's oil and gas industry industry: economic impacts, current/future production and industry potential for growth.

Offshore Drilling Rigs in Atlantic Canada

Jun 2006 Pub #: 2006-0013 4 p. Price:\$ 0

Available: Electronic;Print

(E) This brochure identifies the types of drilling rigs used offshore and describes their various functions. It also describes safety features associated with design and operation of these rigs. Does not describe production facilities.

Offshore Drilling Waste Management Review

Feb 2001 Pub #: 2001-0007 268 p. Price:\$ 0

Available: Electronic

(E) Information document outlining state-of-the-art drilling technology, waste management technology, environmental management procedures and tools. Provides drilling waste management regulatory review for Canada and other jurisdictions.

Outlook for the Natural Gas Industry in Atlantic Canada

Aug 2005 Pub #: 2005-0020 4 p. Price:\$ 0

Available: Electronic;Print

(E) This four-page brochure outlines the natural gas industry's position in Atlantic Canada, location, dynamics, challenges, includes maps and graphs.

Seismic Surveys: The Search for Oil and Gas in Offshore Atlantic Canada

Aug 2005 Pub #: 2005-0023 4 p. Price:\$ 0

Available: Electronic;Print

(E) This brochure describes how marine seismic surveys are carried out on the East Coast of Canada and explains how the data is used to find oil and gas in deep geological formations offshore.

Spill Prevention and Response in Atlantic Canada

Jun 2006 Pub #: 2006-0012 4 p. Price:\$ 0

Available: Electronic;Print

(E) This brochure describes how Atlantic Canadian offshore companies strive to prevent spills from oil and gas operations in the first place and how they would respond if a spill occurred.

(S) *Relates to CAPP's Environment, Health and Safety Stewardship program*

(E) *An electronic version may be downloaded from CAPP's public site www.capp.ca. Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.*

Transportation of Oil and Gas from the Atlantic Offshore to Market

Aug 2005 Pub #: 2005-0024 4 p. Price:\$ 0

Available: Electronic;Print

(E) This publication describes the two major forms of hydrocarbon transportation from East Coast offshore facilities: oil shuttle tankers and natural gas pipelines. Both forms of transport are designed to withstand the rugged marine environment. Operators put in place a wide range of precautionary measures to ensure human safety and the environment are protected

CAPP Newsletters

Upstream Dialogue v.1 January 2009

Jan 2009 Pub #: 2009-9001 6 p. Price:\$ 0

Available: Electronic

(E) (S) Upstream Dialogue is a newsletter targeted at CAPP member employees. It provides up-to-date information and CAPP's perspective on industry related issues. It also draws attention to various activities of our members and their employees. It is a source of balanced information. Sections include Industry in the News, Employee Perspectives, Innovations and Technology, Stewardship, Industry Practice and Regulations, and Myths and Facts.<P>The newsletter is part of the Employee Engagement Strategy. It commenced in January 2009.

Upstream Dialogue v.10 May/June 2010

Jun 2010 Pub #: 2010-9003 11 p. Price:\$ 0

Available: Electronic

(E) (S) Upstream Dialogue is a newsletter targeted at CAPP member employees. It provides up-to-date information and CAPP's perspective on industry related issues. It also draws attention to various activities of our members and their employees. It is a source of balanced information. Sections include Industry in the News, Employee Perspectives, Innovations and Technology, Stewardship, Industry Practice and Regulations, and Myths and Facts.<P>The newsletter is part of the Employee Engagement Strategy. It commenced in January 2009.

Upstream Dialogue v.2 March 2009

Mar 2009 Pub #: 2009-9002 6 p. Price:\$ 0

Available: Electronic

(E) (S) Upstream Dialogue is a newsletter targeted at CAPP member employees. It provides up-to-date information and CAPP's perspective on industry related issues. It also draws attention to various activities of our members and their employees. It is a source of balanced information. Sections include Industry in the News, Employee Perspectives, Innovations and Technology, Stewardship, Industry Practice and Regulations, and Mths and Facts.<P>The newsletter is part of the Employee Engagement Strategy. It commenced in January 2009.

Upstream Dialogue v.3 May 2009

May 2009 Pub #: 2009-9003 9 pgs Price:\$ 0

Available: Electronic

(E) (S) Upstream Dialogue is a newsletter targeted at CAPP member employees. It provides up-to-date information and CAPP's perspective on industry related issues. It also draws attention to various activities of our members and their employees. It is a source of balanced information. Sections include Industry in the News, Employee Perspectives, Innovations and Technology, Stewardship, Industry Practice

(S) Relates to CAPP's Environment, Health and Safety Stewardship program

(E) An electronic version may be downloaded from CAPP's public site www.capp.ca. Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.

CAPP Publications Catalogue

and Regulations, and Mths and Facts.<P>The newsletter is part of the Employee Engagement Strategy. It commenced in January 2009.

Upstream Dialogue v.4 June 2009

Jun 2009 Pub #: 2009-9004 Price:\$ 0

Available: Electronic

(E) (S) Upstream Dialogue is a newsletter targeted at CAPP member employees. It provides up-to-date information and CAPP's perspective on industry related issues. It also draws attention to various activities of our members and their employees. It is a source of balanced information. Sections include Industry in the News, Employee Perspectives, Innovations and Technology, Stewardship, Industry Practice and Regulations, and Myths and Facts. <P>The newsletter is part of the Employee Engagement Strategy. It commenced in January 2009.

Upstream Dialogue v.5 July/August 2009

Aug 2009 Pub #: 2009-9005 Price:\$ 0

Available: Electronic

(E) (S) Upstream Dialogue is a newsletter targeted at CAPP member employees. It provides up-to-date information and CAPP's perspective on industry related issues. It also draws attention to various activities of our members and their employees. It is a source of balanced information. Sections include Industry in the News, Employee Perspectives, Innovations and Technology, Stewardship, Industry Practice and Regulations, and Myths and Facts. <P>The newsletter is part of the Employee Engagement Strategy. It commenced in January 2009.

Upstream Dialogue v.6 September/October 2009

Sept2009 Pub #: 2009-9006 8 p. Price:\$ 0

Available: Electronic

(E) (S) Upstream Dialogue is a newsletter targeted at CAPP member employees. It provides up-to-date information and CAPP's perspective on industry related issues. It also draws attention to various activities of our members and their employees. It is a source of balanced information. Sections include Industry in the News, Employee Perspectives, Innovations and Technology, Stewardship, Industry Practice and Regulations, and Myths and Facts.<P>The newsletter is part of the Employee Engagement Strategy. It commenced in January 2009.\r\n

Upstream Dialogue v.7 November/December 2009

Dec 2009 Pub #: 2009-9007 10 p. Price:\$ 0

Available: Electronic

(E) (S) Upstream Dialogue is a newsletter targeted at CAPP member employees. It provides up-to-date information and CAPP's perspective on industry related issues. It also draws attention to various activities of our members and their employees. It is a source of balanced information. Sections include Industry in the News, Employee Perspectives, Innovations and Technology, Stewardship, Industry Practice

and Regulations, and Myths and Facts. The newsletter is part of the Employee Engagement Strategy. It commenced in January 2009.

Upstream Dialogue v.8 January/February 2010

Feb 2010 Pub #: 2010-9001 10 p. Price:\$ 0

Available: Electronic

(E) (S) Upstream Dialogue provides up-to-date information and CAPP's perspective on industry related issues. It draws attention to the various activities of our members and their employees. It is a source of balanced information. Sections include Industry in the News, Employee Perspectives, Innovations and Technology, Stewardship, Industry Practice and Regulations, Relationships Behind the Resource, and Myths and Facts.

Upstream Dialogue v.9 March/April 2010

Mar 2010 Pub #: 2010-9002 12 p. Price:\$ 0

Available: Electronic

(E) (S) Upstream Dialogue provides up-to-date information and CAPP's perspective on industry related issues. It draws attention to the various activities of our members and their employees. It is a source of balanced information. Sections include Industry in the News, Employee Perspectives, Innovations and Technology, Stewardship, Industry Practice and Regulations, Relationships Behind the Resource, and Myths and Facts.

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Climate Change

A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 1, Overview of the GHG Emissions Inventory

Apr 2005 Pub #: 2005-0011 246 p. Price:\$ 0

Available: Electronic

(E) This report describes the calculation of greenhouse gas emissions and emission intensity in the upstream oil and gas industry by sub-sector, excluding oil sands mining and upgrading, and natural gas transmission. The study is based on a detailed analysis of emissions by facility for the year 2000. Data are provided by province for the years 1990 to 2000. See also: 2005-0012, 2005-0013, 2005-0014, 2005-0015

A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 2, Overview of the CAC Inventory

Apr 2005 Pub #: 2005-0012 84 p. Price:\$ 0

Available: Electronic

(E) A detailed inventory of greenhouse gas (GHG)¹, criteria air contaminant² (CAC) and hydrogen sulphide (H₂S) emissions is presented for the Canadian upstream oil and gas (UOG) industry for the period of 1990 to 2000. The results are summarized at the national and provincial level for the years 1990 to 2000, and at the facility level for the year 2000. Additionally, emission and energy intensity data are presented by type of facility for the year 2000 where data were available to do so. guidance for GHGs. IPCC methodology and provincial definitions. See also: 2005-0011, 2005-0013, 2005-0014, 2005-0015

A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 3 Methodology for Greenhouse Gases

Apr 2005 Pub #: 2005-0013 120 p. Price:\$ 0

Available: Electronic

(E) This volume describes the methodology which has been used to develop the present GHG emissions inventory for the subject portions of the oil and gas industry for the year 2000. See also: 2005-0011, 2005-0012, 2005-0014, 2005-0015

A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 4 Methodology for CAC and H2S Emissions

Apr 2005 Pub #: 2005-0014 121 p. Price:\$ 0

Available: Electronic

(E) This volume describes the methodology which has been

used to develop the present CAC and H₂S emissions inventory for the subject portions of the oil and gas industry for the year 2000. See also: 2005-0011, 2005-0012, 2005-0013, 2005-0015

A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 5, Compendium of Terminology, Information Sources, etc.

Apr 2005 Pub #: 2005-0015 223 p. Price:\$ 0

Available: Electronic

(E) This volume provides lists of terminology, information sources, emission factors, equipment schedules and uncertainty data for the GHG, CAC and H₂S inventory study See also: 2005-0011, 2005-0012, 2005-0013, 2005-0014

Air Emissions in Canada's Oil Sands

Sep 2009 Pub #: 2009-0021 8 p. Price:\$ 0

Available: Electronic

(E) Overview of greenhouse gas emissions and air quality in the oil sands region. Includes industry's current performance, emerging technologies to reduce emissions and a description of the associated regulatory framework. <P>See also the following related publications: Canada's Oil Sands, Managing Land Use in Canada's Oil Sands, and Managing Water Use in Canada's Oil Sands. See also: 2009-0020, 2009-0022, 2009-0023

Calculating Greenhouse Gas Emissions

Apr 2003 Pub #: 2003-0003 60 p. Price:\$ 0

Available: Electronic

(E) This Guide provides CAPP members with a standardising approach to benchmarking and estimating greenhouse gas emissions. The components identified in this Guide will allow CAPP member companies to better understand the information that needs to be provided that will result in the Action Plan being seen as a high-quality, comprehensive document, yet provide the flexibility to establish a company-specific report. Establishing a comprehensive corporate greenhouse gas inventory is the first step in developing a Greenhouse Gas Strategy and an Action Plan for submission to the VCR (Voluntary Challenge Registry).

Canada's Oil Sands

Sep 2009 Pub #: 2009-0020 2 p. Price:\$ 0

Available: Electronic

(E) Overview of Canada's oil sands region. Includes the nature and size of the resource, the global energy mix outlook and a description of mining and insitu

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operations. <P>See also the following related publications:

Managing Land Use in Canada's Oil Sands, Managing Air Emissions in Canada's Oil Sands, and Managing Water Use in Canada's Oil Sands. See also: 2009-0021, 2009-0022, 2009-0023

CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 1

Jul 1999 Pub #: 1999-0009 127 p. Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce atmospheric emissions in Canada. Volume 1 provides an overview of the developed emissions inventory. See also: 1999-0010, 1999-0011, 1999-0012

CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 2

Jul 1999 Pub #: 1999-0010 161 p. Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce atmospheric emissions in Canada. Volume 2 delineates the information sources, assumptions and calculation procedures used to develop the inventory. See also: 1999-0009, 1999-0011, 1999-0012

CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 3

Jul 1999 Pub #: 1999-0011 Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce atmospheric emissions in Canada. Volume 3 presents an inventory of emissions from oilsands mining, extraction and upgrading operations, and from heavy oil upgrading facilities. See also: 1999-0009, 1999-0010, 1999-0012

CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 4

Jul 1999 Pub #: 1999-0012 75 p. Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce atmospheric emissions in Canada. Volume 4 provides a critical review of the available measurement and estimation techniques for assessing emissions from the various types of fugitive sources commonly encountered in the upstream petroleum industry. See also: 1999-0009, 1999-0010, 1999-0011

Land Use in Canada's Oil Sands

Sep 2009 Pub #: 2009-0023 4 p. Price:\$ 0

Available: Electronic

(E) Overview of land use and reclamation in the oil sands region. Includes industry's current performance, examples of best practices and a description of the associated regulatory framework. <P>See also the following related publications:

Canada's Oil Sands, Managing Air Emissions in Canada's Oil Sands, and Managing Water Use in Canada's Oil Sands. See also: 2009-0020, 2009-0021, 2009-0022

Overview: Greenhouse Gas Emissions in Canada's Oil Sands

Sept2009 Pub #: 2009-0024 2 p. Price:\$ 0

Available: Electronic

(E) The variability in GHG emissions depends primarily on what is being produced. Overall life cycle GHG emissions of oil sands are comparable to conventional oil. The industry is regulated by the Province. The oil sands industry continues to reduce GHG emission intensity through continual advancements in technology and energy efficiency.

Water Use in Canada's Oil Sands

Sep 2009 Pub #: 2009-0022 10 p. Price:\$ 0

Available: Electronic

(E) Overview of water use and water quality in the oil sands region. Includes industry's current performance, a discussion of Athabasca River water quantity and quality, tailings pond use and reclamation, increased use of saline water sources and recycling for insitu operations and a description of the associated regulatory framework. <P>See also the following related publications: Canada's Oil Sands, Managing Air Emissions in Canada's Oil Sands, and Managing Land Use in Canada's Oil Sands. See also: 2009-0020, 2009-0021, 2009-0023

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Communications

2005 Stewardship Progress Report

Dec 2005 Pub #: 2005-0031 46 p. Price:\$ 0

Available: Electronic;Print

(E) (S) The 2005 Stewardship Progress Report describes the progress of CAPP and its members toward continuous improvement in environment, health, safety and social performance. Stewardship is a commitment to responsible and balanced resource development and continuous improvement that all CAPP members uphold. The report includes a look at the Stewardship initiative against its goals, introduces the Stewardship framework, provides examples of our collective industry approach and individual company commitment. This year's report also includes the Stewardship Benchmarking Report, previously presented under a separate cover. The combination provides stakeholders with a more complete picture of the Stewardship initiative. Also included is a review of CAPP's progress against prior commitments to improve Stewardship and plans for the future. See also: 2005-0032

2005 Stewardship Progress Report - Summary

Dec 2005 Pub #: 2005-0032 2 p. Price:\$ 0

Available: Electronic;Print

(E) (S) The summary report highlights the key components of the CAPP Stewardship Progress Report. It outlines the key observations of the benchmarking data, the recipients of the Steward of Excellence Awards and provides of brief synopsis of the President's message which focuses on the journey of Stewardship and where we are going moving forward. See also: 2005-0032

2006 Stewardship Progress Report

Feb 2007 Pub #: 2006-0020 27 p. Price:\$ 0

Available: Electronic

(E) (S) The 2006 Stewardship Progress Report describes the progress of CAPP and its members toward continuous improvement in environment, health, safety and social performance. Stewardship is a commitment to responsible and balanced resource development and continuous improvement that all CAPP members uphold. The report includes a look at the Stewardship initiative against its goals, provides examples of our collective industry approach and individual company commitment. The report may be printed from the PDF copy, however the formatting may not translate to some printers. Print copies may be ordered at no charge.

2007 Stewardship Report

Feb 2008 Pub #: 2008-0002 49 p. Price:\$ 0

Available: Electronic

(E) (S) The 2007 Stewardship Progress Report describes the progress of CAPP and its members toward continuous improvement in environment, health, safety and social

performance. Stewardship is a commitment to responsible and balanced resource development and continuous improvement that all CAPP members uphold. The report includes a look at the Stewardship initiative against its goals, introduces the Stewardship framework, provides examples of our collective industry approach and individual company commitment. This year's report also includes the Stewardship Benchmarking Report, previously presented under a separate cover. The combination provides stakeholders with a more complete picture of the Stewardship initiative. Also included is a review of CAPP's progress against prior commitments to improve Stewardship and plans for the future.

2008 Steward of Excellence Award Nominations

Jun 2008 Pub #: 2008-0009 34p Price:\$ 0

Available: Electronic

(E) CAPP's Steward of Excellence Awards were created to foster improvements in environment, health, safety and social performance. This Awards summary booklet helps to celebrate the success of these projects See also: Stewardship

2008 Stewardship Report

Mar 2009 Pub #: 2009-0007 23 p. Price:\$ 0

Available: Electronic

(E) (S) The 2008 Stewardship Progress Report describes the progress of CAPP and its members toward continuous improvement in environment, health, safety and social performance. Stewardship is a commitment to responsible and balanced resource development and continuous improvement that all CAPP members uphold. The report includes a look at the Stewardship initiative against its goals, introduces the Stewardship framework, provides examples of our collective industry approach and individual company commitment. This year's report also includes the Stewardship Benchmarking Report, previously presented under a separate cover. The combination provides stakeholders with a more complete picture of the Stewardship initiative. Also included is a review of CAPP's progress against prior commitments to improve Stewardship and plans for the future.

2009 Stewardship Report

Jan 2010 Pub #: 2009-0034 Price:\$ 0

Available: Electronic;Print

(E) (S) Dedication to the ideals of stewardship is integral to our industry, and is a requirement of CAPP membership. This commitment is far more than a promise. Annually, CAPP collects member company data to accurately tell the story of our progress in an honest and transparent format. This Report offers a brief introduction to the issues challenging the industry: land, water, air, safety, and people. Also included is selected data outlining year-over-year progress, along with examples of stewardship in action.

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2010 Steward of Excellence Awards - Nominee Brochure

Mar 2010 Pub #: 2010-0011 Price:\$ 0

Available: Electronic;Print

(E) CAPP's Steward of Excellence Awards were created to foster improvement in environment, health and safety, and social performance. This award nominee booklet helps celebrate the success of these projects.

Alberta's Oil and Natural Gas Industry

Oct 2006 Pub #: 2006-0015 2 p. Price:\$ 0

Available: Electronic;Print

(E) This short information briefing answers some of the key questions about the oil and natural gas industry in Alberta.

Canada's Oil and Natural Gas Industry: Contributing to a Strong National Economy

Aug 2007 Pub #: 2006-0016 4 p. Price:\$ 0

Available: Electronic;Print

(E) This short information briefing answers some of the key questions about Canada's national oil and natural gas industry. See also: 2006-0017

Canada's Oil Sands: Helping to Fuel America's Economy

May 2010 Pub #: 2010-0009 2 p. Price:\$ 0

Available: Electronic

(E) Canada's oil sands and America's economy are inextricably linked. Because oil sands development requires inputs from broad segments of the manufacturing services sectors, the economic benefits are broadly shown across many industrial sectors and regions. The oil sands industry contributes to economic activity throughout North America by stimulating demand for goods and services and creating jobs across a wide range of industries.

Canadian Crude Oil and Natural Gas: A reliable and growing supply of North American energy

Apr 2007 Pub #: 2007-0010 4 p. Price:\$ 0

Available: Electronic;Print

(E) This four-page brochure describes Canada's crude oil and natural gas exports to the United States.

Developing Effective Working Relationships with Aboriginal Communities

Jan 2006 Pub #: 2006-0001 13 p. Price:\$ 0

Available: Electronic;Print

(E) Effective working relations support a corporate competitive advantage to operators through more timely access to land and greater involvement with local labour and contractors. This guide addresses the key issues and supporting rationale for oil and gas proponents operating in areas of identified interest to aboriginal communities. Companies strive to manage many risks: economic, legal, safety, operational and those affecting

corporate reputation. Understanding the interests of aboriginal communities, along with the development and implementation of corresponding strategies to address their unique concerns, is a key part of responsible risk management. The unique interests and constitutional rights of aboriginal communities support the rationale for industry to develop strong business relationships with communities, relationships based upon trust and respect to achieve common goals.

Fostering Effective Aboriginal Relationships

Jun 2010 Pub #: 2010-0006 2 p. Price:\$ 0

Available: Electronic

(E) The development of any resource can generate shared and potentially conflicting interests between industry and stakeholders such as Aboriginal peoples. Experience has taught us that ongoing communication and mutual respect and understanding are the foundation for effective Aboriginal partnerships and solutions that benefit all parties.

Guide for Effective Public Involvement

Dec 2003 Pub #: 2003-0022 164 p. Price:\$ 0

Available: Electronic;Print

(E) (S) This document is one of CAPP's core stewardship documents. The Guide for Effective Public Involvement is a comprehensive guide of recommended best practices developed by experienced public involvement professionals. It introduces to those new to public involvement, the fundamentals of public involvement, guidelines, steps, backgrounders, case studies, resources and references. This Guide is a core document of CAPP's Stewardship initiative. Limit is 5 print copies per request.

Health and Safety in the Offshore Oil and Gas Industry in Atlantic Canada

Aug 2005 Pub #: 2005-0022 4 p. Price:\$ 0

Available: Electronic;Print

(E) This brochure outlines what the industry is doing to ensure their operations in Atlantic Canada are safe and healthy places to work. It also describes workplace training, workers' involvement in health and safety issues and the regulations that oversee health and safety offshore.

L'industrie pétrolière et gazière du Canada : sa contribution à la vigueur de l'économie nationale

Aug 2006 Pub #: 2006-0017 4 p. Price:\$ 0

Available: Electronic;Print

(E) This short information briefing answers some of the key questions about Canada's national oil and natural gas industry. See also: 2006-0016

Newfoundland and Labrador Fact Sheet

Oct 2006 Pub #: 2006-0014 2 p. Price:\$ 0

Available: Electronic

(S) Relates to CAPP's Environment, Health and Safety Stewardship program

(E) An electronic version may be downloaded from CAPP's public site www.capp.ca. Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.

(E) This short information briefing answers some of the key questions about the oil and natural gas industry in Newfoundland and Labrador.

Nova Scotia's Oil and Natural Gas Industry: Contributing to a Strong Provincial Economy

Oct 2008 Pub #: 2008-1037 2 p. Price:\$ 0

Available: Electronic

(E) Provides an overview of Nova Scotia's oil and gas industry industry: economic impacts, current/future production and industry potential for growth.

Oil Sands - Benefits to Alberta and Canada, today and tomorrow, through a fair, stable and competitive fiscal regime

May2007 Pub #: 2007-0011 58 p. Price:\$ 0

Available: Electronic;Print

(E) The Oil Sands - Benefits to Alberta and Canada, today and tomorrow, through a fair, stable and competitive fiscal regime document describes the history of oil sand royalties, the current royalty framework and the need for fiscal regimes that are competitive and provide certainty and stability. See also: 2007-0012

Oil Sands: The Principles and Relationships Behind the Resource

Sept2009 Pub #: 2009-0031 2 p. Price:\$ 0

Available: Electronic

(E) Policies, procedures, and programs are geared to cultivating effective relationships while safeguarding the people we work with, and the people who are affected by our work.

One Forest - the Canadian Boreal - a landscape of change and renewal

Sep 2003 Pub #: 2003-0014 4 p. Price:\$ 0

Available: Electronic;Print

(E) This document describes the boreal forest, our industry's impact and efforts to continuously improve performance in the forested landscape.

Responsible Recreational Land Use in Alberta's Backcountry

Oct 2004 Pub #: 2004-0017 2 p. Price:\$ 0

Available: Electronic;Print

(E) (S) AB StreamWatch is a multi-stakeholder group operating in Alberta's north-east slope regions. The group was founded by Trout Unlimited, local Department of Sustainable Resource Development (SRD) field officers and a number of CAPP members to support responsible public access in the eastern slopes.<P>This publication is as an educational tool intended for oil field workers to illustrate that the responsible use and stewardship of Alberta's natural heritage is everyone's responsibility.\r\n

Saskatchewan's Oil and Natural Gas Industry

Dec 2006 Pub #: 2006-0022 4 p. Price:\$ 0

Available: Electronic;Print

(E) This short information briefing answers some of the key questions about oil and gas in Saskatchewan.

Use of Water - Alberta's Upstream Oil and Gas Industry

Mar 2002 Pub #: 2002-0005 52 p. Price:\$ 0

Available: Electronic;Print

(E) Analysis in this report identifies public concerns regarding water use, reviews legislation as it applies to the oil and gas industry and provides statistical and technical data relative to the industry's use of water in Alberta.

Crude Oil & Oil Sands

2010 CAPP Crude Oil Forecast, Markets & Pipeline - Production and Supply Data

Jun 2010 Pub #: 2010-0015 Price:\$ 0

Available: Electronic

(E) The 2010 Crude Oil Forecast, Markets & Pipeline Report is widely referenced by the public, industry and government alike as a benchmark for crude oil forecasts. This spreadsheet provides the data tables for Section 1 of the report. Data tables for Section 2 of the report are provided in a separate Excel spreadsheet.

2010 CAPP Crude Oil Forecast, Markets & Pipeline - Refinery Data

Jun 2010 Pub #: 2010-0015 Price:\$ 0

Available: Electronic

(E) The 2010 Crude Oil Forecast, Markets & Pipeline Report is widely referenced by the public, industry and government alike as a benchmark for crude oil forecasts. This spreadsheet provides the data tables for Section 2 of the report. Data tables for Section 1 of the report are provided in a separate Excel spreadsheet.

2010 CAPP Crude Oil Forecast, Markets & Pipeline Report

Jun 2010 Pub #: 2010-0015 Price:\$ 0

Available: Electronic;Print

(E) The 2010 Crude Oil Forecast, Markets & Pipeline report is widely referenced by the public, industry and government alike as a benchmark for crude oil forecasts. The report is comprised of three main areas:Canadian production and supply forecast from 2010 to 2025Refinery Demand outlook for western Canadian crude oil to 2015Pipeline project outlook<P>CAPP's 2009 forecast projected that projects would be deferred rather than cancelled. Project decisions since that time have largely confirmed this projection. For that reason, the CAPP 2010 forecast exhibits a rate of growth consistent with last year's forecast. The market demand in 2015 for western Canadian crude oil is well matched with growing supply. In 2010, two new oil pipelines that deliver crude oil out of western Canada will be coming into service and a third new pipeline was approved. With this new transportation capacity coming into service, only a few proposals, primarily those to new markets, are being actively considered.<P>Data tables for <A HREF='http://www.capp.ca/getdoc.aspx?DocId=173004&DT=

NTV' target='_blank'>Section 1 and Section 2 of the report are provided as Excel spreadsheets.

Air Emissions in Canada's Oil Sands

Sep 2009 Pub #: 2009-0021 8 p. Price:\$ 0

Available: Electronic

(E) Overview of greenhouse gas emissions and air quality in the oil sands region. Includes industry's current performance, emerging technologies to reduce emissions and a description of the associated regulatory framework. <P>See also the following related publications: Canada's Oil Sands, Managing Land Use in Canada's Oil Sands, and Managing Water Use in Canada's Oil Sands. See also: 2009-0020, 2009-0022, 2009-0023

Alberta Oil Sands Bitumen Valuation Methodology 2008

Dec 2008 Pub #: 2008-9995 6 p. Price:\$ 0

Available: Electronic

(E) This publication contains a table for the application of the Alberta Department of Energy Bitumen Valuation Methodology (BVM) to the determination of non-arm's length (NAL) royalty value for 1015 kg/m³ project bitumen at Hardisty, Alberta. This table will be updated on a monthly basis.<P>The table includes the year-to-date model inputs and the respective calculated bitumen Royalty Value (1015 kg/m³) reported in \$Cdn/m³ and \$US/bbl. <P>Definitions of terms used are also provided.

Alberta Oil Sands Bitumen Valuation Methodology 2009

Dec 2009 Pub #: 2009-9995 6 p. Price:\$ 0

Available: Electronic

(E) This publication contains a table for the application of the Alberta Department of Energy Bitumen Valuation Methodology (BVM) to the determination of non-arm's length (NAL) royalty value for 1015 kg/m³ project bitumen at Hardisty, Alberta. This table will be updated on a monthly basis.<P>The table includes the year-to-date model inputs and the respective calculated bitumen Royalty Value (1015 kg/m³) reported in \$Cdn/m³ and \$US/bbl. <P>Definitions of terms used are also provided.

Alberta Oil Sands Bitumen Valuation Methodology 2010

Jan 2010 Pub #: 2010-9995 6 p. Price:\$ 0

Available: Electronic

(E) This publication contains a table for the application of the Alberta Department of Energy Bitumen Valuation Methodology (BVM) to the determination of non-arm's length (NAL) royalty value for 1015 kg/m³ project bitumen at Hardisty, Alberta. This table will be updated on a monthly

basis.<P>The table includes the year-to-date model inputs and the respective calculated bitumen Royalty Value (1015 kg/m3) reported in \$Cdn/m3 and \$US/bbl. <P>Definitions of terms used are also provided.

Canada's Oil Sands

Sep 2009 Pub #: 2009-0020 2 p. Price:\$ 0

Available: Electronic

(E) Overview of Canada's oil sands region. Includes the nature and size of the resource, the global energy mix outlook and a description of mining and insitu operations.<P>See also the following related publications:
Managing Land Use in Canada's Oil Sands, Managing Air Emissions in Canada's Oil Sands, and Managing Water Use in Canada's Oil Sands. See also: 2009-0021, 2009-0022, 2009-0023

Canada's Oil Sands: Helping to Fuel America's Economy

May 2010 Pub #: 2010-0009 2 p. Price:\$ 0

Available: Electronic

(E) Canada's oil sands and America's economy are inextricably linked. Because oil sands development requires inputs from broad segments of the manufacturing services sectors, the economic benefits are broadly shown across many industrial sectors and regions. The oil sands industry contributes to economic activity throughout North America by stimulating demand for goods and services and creating jobs across a wide range of industries.

Environmental Challenges and Progress in Canada's Oil Sands

Apr 2008 Pub #: 2008-0006 16 p. Price:\$ 0

Available: Electronic;Print

(E) The development of the oil sands presents significant environmental challenges. The public is concerned about the environmental impacts of oil sands development. Governments are responding with new laws and policies to protect the environment and maintain energy and economic security. Canada's oil and gas industry is making progress in addressing environmental challenges, but industry needs to do more. New technologies continue to be critical to Industry's efforts to reduce impacts on air, land and water. The future of the industry depends on demonstrating our commitment to responsible resource development. This document provides an overview of environmental challenges associated with developing the oil sands, related regulations and industry actions.

Fostering Effective Aboriginal Relationships

Jun 2010 Pub #: 2010-0006 2 p. Price:\$ 0

Available: Electronic

(E) The development of any resource can generate shared and potentially conflicting interests between industry and stakeholders such as Aboriginal peoples. Experience has taught us that ongoing communication and mutual respect and understanding are the foundation for effective Aboriginal partnerships and solutions that benefit all parties.

Guiding Principles for Oil Sands Development

Sept 2009 Pub #: 2009-0033 1 p. Price:\$ 0

Available: Electronic

(E) Canada's oil sands industry will provide a secure source of energy, reduce its impact on the environment and provide economic benefits to society while developing this globally significant resource, while observing several guiding principles.

Land Use in Canada's Oil Sands

Sep 2009 Pub #: 2009-0023 4 p. Price:\$ 0

Available: Electronic

(E) Overview of land use and reclamation in the oil sands region. Includes industry's current performance, examples of best practices and a description of the associated regulatory framework.<P>See also the following related publications:
Canada's Oil Sands, Managing Air Emissions in Canada's Oil Sands, and Managing Water Use in Canada's Oil Sands. See also: 2009-0020, 2009-0021, 2009-0022

Oil Sands - Benefits to Alberta and Canada, today and tomorrow, through a fair, stable and competitive fiscal regime

May 2007 Pub #: 2007-0011 58 p. Price:\$ 0

Available: Electronic;Print

(E) The Oil Sands - Benefits to Alberta and Canada, today and tomorrow, through a fair, stable and competitive fiscal regime document describes the history of oil sand royalties, the current royalty framework and the need for fiscal regimes that are competitive and provide certainty and stability. See also: 2007-0012

Oil Sands: A Solution to North America's Growing Energy Demands?

Sept 2009 Pub #: 2009-0029 2 p. Price:\$ 0

Available: Electronic

(E) Within the context of global energy demand, Canada's oil sands are an important part of future oil supplies for Canada,

the U.S., and the world.

Oil Sands: An Important Asset Generating Benefits Across Canada

Sept2009 Pub #: 2009-0030 2 p. Price:\$ 0

Available: Electronic

(E) The economic and employment benefits from investments and operations in the oil sands are important to Canada's future economic prosperity.

Oil Sands: The Principles and Relationships Behind the Resource

Sept2009 Pub #: 2009-0031 2 p. Price:\$ 0

Available: Electronic

(E) Policies, procedures, and programs are geared to cultivating effective relationships while safeguarding the people we work with, and the people who are affected by our work.

Overview: Greenhouse Gas Emissions in Canada's Oil Sands

Sept2009 Pub #: 2009-0024 2 p. Price:\$ 0

Available: Electronic

(E) The variability in GHG emissions depends primarily on what is being produced. Overall life cycle GHG emissions of oil sands are comparable to conventional oil. The industry is regulated by the Province. The oil sands industry continues to reduce GHG emission intensity through continual advancements in technology and energy efficiency.

Overview: Land Use in Canada's Oil Sands

Sept2009 Pub #: 2009-0026 2 p. Price:\$ 0

Available: Electronic

(E) While there is clearly an impact from development, industry is committed to mitigating our impact on the land while maintaining regional ecosystems and biodiversity. Oil sands operators are required to develop a reclamation plan for returning the land to a sustainable landscape before any work begins. Ongoing reclamation research is generating continual improvements to reclamation practices.

Overview: Water Use in Canada's Oil Sands

Sept2009 Pub #: 2009-0025 2 p. Price:\$ 0

Available: Electronic

(E) The industry is working hard to continue reducing its fresh water usage, increasing recycling, and wherever possible replacing fresh water with saline water or recycled industrial wastewater. Industry continues to develop new technologies that will greatly reduce or eliminate the need for water.

Water Use in Canada's Oil Sands

Sep 2009 Pub #: 2009-0022 10 p. Price:\$ 0

Available: Electronic

(E) Overview of water use and water quality in the oil sands region. Includes industry's current performance, a discussion of Athabasca River water quantity and quality, tailings pond use and reclamation, increased use of saline water sources and recycling for insitu operations and a description of the associated regulatory framework. <P>See also the following related publications: Canada's Oil Sands, Managing Air Emissions in Canada's Oil Sands, and Managing Land Use in Canada's Oil Sands. See also: 2009-0020, 2009-0021, 2009-0023

Emergency Response

Best Management Practice for Wildfire Prevention

Jan 2008 Pub #: 2007-0022 75 p. Price:\$ 0

Available: Electronic

(E) Best Management Practices are to be used collectively by the upstream oil and gas industry to assist them in the prevention of industry caused wildfires, and to mitigate the impact of catastrophic fires on industry infrastructure, operations, liability, personnel safety and the environment.

Companion Planning Guide to ERCB Directive 071

Aug 2008 Pub #: 2008-0001 95 p. Price:\$ 0

Available: Electronic

(E) The Alberta Energy Resource Conservation Board requires that all licensees meet the requirements in Directive 71 - Emergency Preparedness and Response Requirements for the Petroleum Industry. This is a guide to assist CAPP members in interpreting and complying with the ERCB Directive 71, and to provide answers to commonly asked questions regarding implementation of the Directive.

Emergency Planning and Response in Atlantic Canada

Aug 2005 Pub #: 2005-0021 4 p. Price:\$ 0

Available: Electronic;Print

(E) Industry's approach is first to prevent emergencies from happening and secondly to develop advance response plans to deal quickly and efficiently with any emergency that may arise. The brochure describes prevention and response plans for oil spills as an example. Government must approve such emergency prevention and response plans. This is one in a series of brochures describing activities in Canada's offshore upstream petroleum industry.

Flammable Environments Guideline

Dec 2004 Pub #: 2004-0016 19 p Price:\$ 0

Available: Electronic

(E) This document is a guide for CAPP members who are planning and supervising work where there is a need to minimize the hazards of a flammable environment. The content of this guide: Identifies regulatory requirements applicable in a flammable environment.Describes a process flowchart for determining action in a (possible) flammable work area.Raises awareness of associated hazards, which may minimize possible flammable exposure risks to workers and processes.Outlines a risk-based approach to ensure that all CAPP member worksites that have a potential of generating a flammable environment are identified and appropriate controls are implemented.Provides on-site work sheet tool (Appendix A) that can be copied and used as documentation forms to assess a worksite task for potential flammable exposure and identify appropriate controls.

Reporting of Occupational Injuries

Jun 2008 Pub #: 2008-1029 34 p. Price:\$ 0

Available: Electronic

(E) The purpose of this Guide is to provide a framework for consistent reporting of occupational injuries for petroleum industry operations managed by a CAPP member company and for benchmarking safety performance. These data provide statistical information and are intended to support prevention and improvement activities.

These reporting requirements are for occupational injuries affecting employees and contractors. Injuries occurring in a joint venture under a member company's operating control are included. Injuries occurring in downstream oil and natural gas, chemicals, subsidiaries or to partnerships are not included. See also: n/a

Shelter-In-Place Instructions

May 2006 Pub #: 2005-0019 5 pg. Price:\$ 0

Available: Electronic

(E) Shelter-In-Place is the practice of going or remaining indoors during a sudden outdoor release of a hazardous substance resulting from a fire, vehicle accident, train derailment, industrial incident or natural disaster. Shelter-In-Place has been demonstrated to be the most effective response during the first few hours of a substance release by creating a buffer between you and any toxic hazard that may be in outside air. As a result, emergency responders may request that you Shelter-In-Place.

Spill Prevention and Response in Atlantic Canada

Jun 2006 Pub #: 2006-0012 4 p. Price:\$ 0

Available: Electronic;Print

(E) This brochure describes how Atlantic Canadian offshore companies strive to prevent spills from oil and gas operations in the first place and how they would respond if a spill occurred.

(S) *Relates to CAPP's Environment, Health and Safety Stewardship program*

(E) *An electronic version may be downloaded from CAPP's public site www.capp.ca. Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.*

Environment & Stewardship

2005 Stewardship Progress Report

Dec 2005 Pub #: 2005-0031 46 p. Price:\$ 0

Available: Electronic;Print

(E) (S) The 2005 Stewardship Progress Report describes the progress of CAPP and its members toward continuous improvement in environment, health, safety and social performance. Stewardship is a commitment to responsible and balanced resource development and continuous improvement that all CAPP members uphold. The report includes a look at the Stewardship initiative against its goals, introduces the Stewardship framework, provides examples of our collective industry approach and individual company commitment. This year's report also includes the Stewardship Benchmarking Report, previously presented under a separate cover. The combination provides stakeholders with a more complete picture of the Stewardship initiative. Also included is a review of CAPP's progress against prior commitments to improve Stewardship and plans for the future. See also: 2005-0032

2005 Stewardship Progress Report - Summary

Dec 2005 Pub #: 2005-0032 2 p. Price:\$ 0

Available: Electronic;Print

(E) (S) The summary report highlights the key components of the CAPP Stewardship Progress Report. It outlines the key observations of the benchmarking data, the recipients of the Steward of Excellence Awards and provides of brief synopsis of the President's message which focuses on the journey of Stewardship and where we are going moving forward. See also: 2005-0032

2006 Steward of Excellence Awards Summary Booklet

May 2006 Pub #: 2006-0009 32 p. Price:\$ 0

Available: Electronic

(E) (S) 2006 Steward of Excellence Award Summary Winners Submissions

2006 Stewardship Progress Report

Feb 2007 Pub #: 2006-0020 27 p. Price:\$ 0

Available: Electronic

(E) (S) The 2006 Stewardship Progress Report describes the progress of CAPP and its members toward continuous improvement in environment, health, safety and social performance. Stewardship is a commitment to responsible and balanced resource development and continuous improvement that all CAPP members uphold. The report includes a look at the Stewardship initiative against its goals, provides examples of our collective industry approach and individual company commitment. The report may be printed from the PDF copy, however the formatting may not translate to some printers. Print copies may be ordered at no charge.

2007 Steward of Excellence Awards Summary Booklet

May 2007 Pub #: 2007-0006 Price:\$ 0

Available: Electronic

(E) (S) CAPP's Steward of Excellence Awards were created to foster improvements in environment, health, safety and social performance. This awards summary booklet celebrates the success of these projects.

2007 Stewardship Report

Feb 2008 Pub #: 2008-0002 49 p. Price:\$ 0

Available: Electronic

(E) (S) The 2007 Stewardship Progress Report describes the progress of CAPP and its members toward continuous improvement in environment, health, safety and social performance. Stewardship is a commitment to responsible and balanced resource development and continuous improvement that all CAPP members uphold. The report includes a look at the Stewardship initiative against its goals, introduces the Stewardship framework, provides examples of our collective industry approach and individual company commitment. This year's report also includes the Stewardship Benchmarking Report, previously presented under a separate cover. The combination provides stakeholders with a more complete picture of the Stewardship initiative. Also included is a review of CAPP's progress against prior commitments to improve Stewardship and plans for the future.

2008 Steward of Excellence Award Nominations

Jun 2008 Pub #: 2008-0009 34p Price:\$ 0

Available: Electronic

(E) (S) CAPP's Steward of Excellence Awards were created to foster improvements in environment, health, safety and social performance. This Awards summary booklet helps to celebrate the success of these projects See also: Stewardship

2008 Stewardship Report

Mar 2009 Pub #: 2009-0007 23 p. Price:\$ 0

Available: Electronic

(E) (S) The 2008 Stewardship Progress Report describes the progress of CAPP and its members toward continuous improvement in environment, health, safety and social performance. Stewardship is a commitment to responsible and balanced resource development and continuous improvement that all CAPP members uphold. The report includes a look at the Stewardship initiative against its goals, introduces the Stewardship framework, provides examples of our collective industry approach and individual company commitment. This year's report also includes the Stewardship Benchmarking Report, previously presented under a separate cover. The combination provides stakeholders with a more complete picture of the Stewardship initiative. Also included is a review of CAPP's progress against prior commitments to improve Stewardship

(S) *Relates to CAPP's Environment, Health and Safety Stewardship program*

(E) *An electronic version may be downloaded from CAPP's public site www.capp.ca. Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.*

CAPP Publications Catalogue

and plans for the future.

2009 Steward of Excellence Award Nominations "Stewardship Today Tomorrow"

May 2009 Pub #: 2009-0016 32 p. Price:\$ 0

Available: Electronic;Print

(E) (S) CAPP's Steward of Excellence Awards were created to foster improvements in environment, health, safety and social performance. This Awards summary booklet helps to celebrate the success of these projects.

2009 Stewardship Report

Jan 2010 Pub #: 2009-0034 Price:\$ 0

Available: Electronic;Print

(E) (S) Dedication to the ideals of stewardship is integral to our industry, and is a requirement of CAPP membership. This commitment is far more than a promise. Annually, CAPP collects member company data to accurately tell the story of our progress in an honest and transparent format. This Report offers a brief introduction to the issues challenging the industry: land, water, air, safety, and people. Also included is selected data outlining year-over-year progress, along with examples of stewardship in action.

2010 Responsible Canadian Energy Metrics Reporting Guide

Apr 2010 Pub #: 2010-0014 Price:\$ 0

Available: Electronic

(E) (S) The 2010 RCE Metrics Guide provides CAPP members with a standardized approach to preparing and submitting their RCE data in an efficient and consistent way. The Guide provides a definition and scope for each measure, sources of information, suggested methods for calculating or estimating values, sample data validations where appropriate and reporting units. See also: 2010-0016

2010 Steward of Excellence Awards - Nominee Brochure

Mar 2010 Pub #: 2010-0011 Price:\$ 0

Available: Electronic;Print

(E) (S) CAPP's Steward of Excellence Awards were created to foster improvement in environment, health and safety, and social performance. This award nominee booklet helps celebrate the success of these projects.

Air Emissions in Canada's Oil Sands

Sep 2009 Pub #: 2009-0021 8 p. Price:\$ 0

Available: Electronic

(E) (S) Overview of greenhouse gas emissions and air quality in the oil sands region. Includes industry's current performance, emerging technologies to reduce emissions and a description of the associated regulatory framework. <P>See also the following related publications: Canada's Oil Sands, <A HREF='http://membernet.capp.ca/raw.asp?x=1&e=PDF&dt=

NTV&dn=154988'>Managing Land Use in Canada's Oil Sands, and Managing Water Use in Canada's Oil Sands. See also: 2009-0020, 2009-0022, 2009-0023

Benzene Emission Reductions by the Upstream Petroleum Industry

Sep 2003 Pub #: 2003-0011 2 p. Price:\$ 0

Available: Electronic;Print

(E) (S) This document provides background information on Benzene emissions in the oil and gas industry and what industry is doing to regulate and reduce emissions. See also: 2003-0005, 2000-0035, 1999-0008

Bodily Fluids Exposure

Feb 2006 Pub #: 2005-0043 16 p. Price:\$ 0

Available: Electronic

(E) (S) This document is intended for all companies where their employee's are expected to administer first aid and thus be exposed to bodily fluids. It addresses training content, risk management and engineering controls. The scope of the document is intentionally generic so that it can be applied across a wide variety of industry / public sector as well as across the provinces / territories of Canada.

Calculating Greenhouse Gas Emissions

Apr 2003 Pub #: 2003-0003 60 p. Price:\$ 0

Available: Electronic

(E) (S) This Guide provides CAPP members with a standardising approach to benchmarking and estimating greenhouse gas emissions. The components identified in this Guide will allow CAPP member companies to better understand the information that needs to be provided that will result in the Action Plan being seen as a high-quality, comprehensive document, yet provide the flexibility to establish a company-specific report. Establishing a comprehensive corporate greenhouse gas inventory is the first step in developing a Greenhouse Gas Strategy and an Action Plan for submission to the VCR (Voluntary Challenge Registry).

Canada's Oil Sands

Sep 2009 Pub #: 2009-0020 2 p. Price:\$ 0

Available: Electronic

(E) (S) Overview of Canada's oil sands region. Includes the nature and size of the resource, the global energy mix outlook and a description of mining and insitu operations. <P>See also the following related publications: Managing Land Use in Canada's Oil Sands, Managing Air Emissions in Canada's Oil Sands, and <A

(S) Relates to CAPP's Environment, Health and Safety Stewardship program

(E) An electronic version may be downloaded from CAPP's public site www.capp.ca. Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.

HREF='http://membernet.capp.ca/raw.asp?x=1&e=PDF&dt=NTV&dn=154986'>Managing Water Use in Canada's Oil Sands. See also: 2009-0021, 2009-0022, 2009-0023

Canadian Labour Standards - Hours of Work

Feb 2008 Pub #: 2008-0003 32 p. Price:\$ 0

Available: Electronic

(E) (S) The Canadian Labour Standards - Hours of Work Guide is a reference document to the federal and provincial legislation on employees' hours of work in Alberta, British Columbia, Manitoba, Newfoundland, Northwest Territories, Saskatchewan, Yukon and federally regulated work places.<P>The guide provides a listing of the applicable legislation within each jurisdiction and a link to the associated Act, Code or Regulation on the labour ministry's website. The guide also highlights the specific sections within the legislation that are pertinent to hours of work standards.

CAPP Best Management Practices for Natural Gas in Coal (NGC)/Coalbed Methane (CBM)

may2006 Pub #: 2005-0040 83 pg. Price:\$ 0

Available: Electronic

(E) (S) The need is threefold - (i) CAPP Members are increasingly considering NGC\CBM operations and have requested guidance on preferred methods, risks, and considerations; (ii) Such activity involves increased contact with communities and stakeholders that are lacking understanding and appreciation of NGC operations and this document provides direction encouraging industry operators to work productively with local stakeholders; (iii) Alberta government led, multi-stakeholder process (the MAC) recommended the development of such a document and CAPP took the lead.

Contractor Health, Safety and Environment Contract Requirements and Preliminary Information Request

May2006 Pub #: 2005-0039 19 p. Price:\$ 0

Available: Electronic

(E) (S) Checklist to assist members in assessing health, safety and environment pre-qualification requirements for contractors. Identifies specific topics that may be included in the contract document, components of the safety program which can be selected for the project, minimum safety work practices and a form for contractor evaluations.<P>The appendices are also available separately in a Word document for completion.<P>Please note:<i> The sole purpose of the contractor assessment questionnaire on this website is to provide a standard guide for contractors on the type of information that is likely to be required during contractor assessments. The goal is to simplify and reduce costs while maintaining high standards. Contractors should be aware that this questionnaire is a guide only. It does not mandate nor restrict the information that may be requested about a contractor prior to awarding work. Alternative information or additional information may be requested in accordance with the practices of any individual company.

<P>CAPP is aware that some registries have been created by private interests that in general offer companies a service while seeking fees from those seeking contracts. It is NOT the purpose of the CAPP guide to increase costs to those seeking contracts and CAPP does NOT endorse any registry or any particular contractor assessment process.</i>

Contractor Health, Safety and Environment Contract Requirements and Preliminary Information Request - Appendices (Word format)

May2006 Pub #: 2005-0039 19 p. Price:\$ 0

Available: Electronic

(E) (S) Checklist to assist members in assessing health, safety and environment pre-qualification requirements for contractors. Identifies specific topics that may be included in the contract document, components of the safety program which can be selected for the project, minimum safety work practices and a form for contractor evaluations.<P>The appendices are also available separately in a Word document for completion.

Developing Effective Working Relationships with Aboriginal Communities

Jan 2006 Pub #: 2006-0001 13 p. Price:\$ 0

Available: Electronic;Print

(E) (S) Effective working relations support a corporate competitive advantage to operators through more timely access to land and greater involvement with local labour and contractors. This guide addresses the key issues and supporting rationale for oil and gas proponents operating in areas of identified interest to aboriginal communities.<P>Companies strive to manage many risks: economic, legal, safety, operational and those affecting corporate reputation. Understanding the interests of aboriginal communities, along with the development and implementation of corresponding strategies to address their unique concerns, is a key part of responsible risk management. The unique interests and constitutional rights of aboriginal communities support the rationale for industry to develop strong business relationships with communities, relationships based upon trust and respect to achieve common goals.\r\n

Electrical Installations for Impressed Current Cathodic Protection Systems

Dec 2008 Pub #: 2008-1035 30 p. Price:\$ 0

Available: Electronic

(E) (S) Impressed Current Cathodic Protection systems are a technique for controlling the corrosion of a metal surface by making that surface the cathode of an electrochemical cell. Impressed Current Cathodic Protection systems are in widespread use at thousands of oil and gas surface production facilities, and serve to prevent failure of piping and other facilities which may lead to uncontrolled release of products, resulting in safety hazards and environmental contamination.<P>This guide is intended to help those designing, installing, inspecting, or maintaining impressed

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current cathodic protection systems meet minimum regulatory requirements; and it also simultaneously benefits worker safety and reliability of the system. It outlines, from an electrical perspective, design and installation criteria related to impressed current cathodic protection systems, including: codes and standards related to cathodic protection work; worker qualification; equipment certification; connection and splicing methods; installations; warning signs; documentation; electrical inspections.

Any questions regarding the Guide "Electrical Installations for Impressed Current Cathodic Protection Systems" can be forwarded to Cecil Gordon, EnCana Corporation, cecil.gordon@encana.com, or Tim Driscoll, Shell Canada Limited, tim.driscoll@shell.com. See also: 2009-0019

Environmental Challenges and Progress in Canada's Oil Sands

Apr 2008 Pub #: 2008-0006 16 p. Price:\$ 0

Available: Electronic;Print

(E) (S) The development of the oil sands presents significant environmental challenges. The public is concerned about the environmental impacts of oil sands development. Governments are responding with new laws and policies to protect the environment and maintain energy and economic security. Canada's oil and gas industry is making progress in addressing environmental challenges, but industry needs to do more. New technologies continue to be critical to Industry's efforts to reduce impacts on air, land and water. The future of the industry depends on demonstrating our commitment to responsible resource development. This document provides an overview of environmental challenges associated with developing the oil sands, related regulations and industry actions.

Environmental Operating Practice for the Upstream Petroleum Industry - Alberta Operations (CD - all five volumes)

May 1999 Pub #: 1999-0023 5 MB Price:\$ 0

Available: CD

(S) Due to age of this publication, CAPP does not warrant its accuracy; however, it may be useful in a notional sense. It has been a key guidance document for CAPP's Environment, Health and Safety Stewardship Program. This is a comprehensive resource and management tool that can help you quickly determine which regulatory requirements and environmental issues affect your operations. It also provides recommended industry practices and resources for meeting those requirements in four areas - geophysics, drilling, production, pipeline. The set is available electronically on an interactive, searchable CD. See also: 1999-0018; 1999-0019; 1999-0020; 1999-0021; 1999-0022

Environmental Operating Practices for the Upstream Petroleum Industry - Saskatchewan (Drilling)

Nov 2002 Pub #: 2001-0027 216 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies operating in Saskatchewan to identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. The set of five volumes is available electronically on a searchable CD for \$130. See also: DOCS 36407

Environmental Operating Practices for the Upstream Petroleum Industry - Saskatchewan (Operations)

Nov 2002 Pub #: 2001-0027 288 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies operating in Saskatchewan to identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. The set of five volumes is available electronically on a searchable CD for \$130. See also: DOCS 36406

Environmental Operating Practices for the Upstream Petroleum Industry - Saskatchewan (Overview)

Nov 2002 Pub #: 2001-0027 106 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies operating in Saskatchewan to identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. The set of five volumes is available electronically on a searchable CD for \$130. See also: DOCS 37148

Environmental Operating Practices for the Upstream Petroleum Industry - Saskatchewan (Pipelines)

Nov 2002 Pub #: 2001-0027 245 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies operating in Saskatchewan to identify regulatory requirements and environmental issues

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that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. The set of five volumes is available electronically on a searchable CD for \$130. See also: DOCS 36311

Environmental Operating Practices for the Upstream Petroleum Industry - Saskatchewan (Seismic)

Nov 2002 Pub #: 2001-0027 119 Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies operating in Saskatchewan to identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. The set of five volumes is available electronically on a searchable CD for \$130. See also: DOCS 36309

Environmental Operating Practices Upstream Petroleum Industry - BC Operations (Drilling)

Mar 2003 Pub #: 2002-0016 198 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. Each volume follows a chronological sequence of planning, implementation and follow-up activities. The set of five volumes is available electronically on a searchable CD for \$130. See also: overview volume, geophysics volume, production volume, pipelines volume, AD, SK Operating Practices

Environmental Operating Practices Upstream Petroleum Industry - BC Operations (Geophysics)

Mar 2003 Pub #: 2002-0016 113 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources,

geophysics, drilling, production and pipeline. Each volume follows a chronological sequence of planning, implementation and follow-up activities. The set of five volumes is available electronically on a searchable CD for \$130.

Environmental Operating Practices Upstream Petroleum Industry - BC Operations (Overview)

Mar 2003 Pub #: 2002-0016 95 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. Each volume follows a chronological sequence of planning, implementation and follow-up activities. The set of five volumes is available electronically on a searchable CD for \$130. See also: Drilling volume, Pipelines Volume, Geophysics Volume, Production volume, AB, SK Environmental Operations

Environmental Operating Practices Upstream Petroleum Industry - BC Operations (Pipelines)

Mar 2003 Pub #: 2002-0016 220 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. Each volume follows a chronological sequence of planning, implementation and follow-up activities. The set of five volumes is available electronically on a searchable CD for \$130. See also: overview volume, drilling volume, production volume, geophysics volume, AB, SK Operating Practices

Environmental Operating Practices Upstream Petroleum Industry - BC Operations (Production)

Mar 2003 Pub #: 2002-0016 262 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is

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comprised of the following: overview and resources, geophysics, drilling, production and pipeline. Each volume follows a chronological sequence of planning, implementation and follow-up activities. The set of five volumes is available electronically on a searchable CD for \$130. See also: overview volume, drilling volume, pipelines volume, geophysics volume, AB, SK Operating Practices

Ergonomic Risk Identification and Assessment - Checklists and Troubleshooting

Mar 2000 Pub #: 2000-0005 2 MB Price:\$ 0

Available: CD;Electronic

(E) (S) The files in this CD provide ergonomic risk identification and assessment tools for use in the oil and gas industry. This information provides templates and ergonomic guidelines for identifying and prioritizing tasks that place workers at risk of musculoskeletal injury. The development of this ergonomic tool assists in addressing ergonomic requirements with the BC Workers' Compensation Board. This tool has broad application in other provinces where industry operates. Includes two pamphlets regarding understanding and preventing musculoskeletal injuries (MSI), checklists and troubleshooting tips for Office, Bulk Agencies and Retail/Marketing personnel, flow diagrams, questionnaires and forms, checklists, risk rating charts and trouble shooting tips. Another file contains a powerpoint presentation overview of the MSI process that members can customize to suit their company needs. This is not a WCB document. See also: 1994-0001

Ergonomic Risk Identification and Assessment - Identification and Assessment Tool

Mar 2000 Pub #: 2000-0005 2 MB Price:\$ 0

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Ergonomic Risk Identification and Assessment - The Basics

Mar 2000 Pub #: 2000-0005 2 MB Price:\$ 0

Available: CD;Electronic

(E) (S) The files in this CD provide ergonomic risk identification and assessment tools for use in the oil and gas industry. This information provides templates and ergonomic guidelines for identifying and prioritizing tasks that place workers at risk of musculoskeletal injury. The development of this ergonomic tool assists in addressing ergonomic requirements with the BC Workers' Compensation Board. This tool has broad application in other provinces where industry operates. Includes two pamphlets regarding understanding and preventing musculoskeletal injuries (MSI), checklists and troubleshooting tips for Office, Bulk Agencies and Retail/Marketing personnel, flow diagrams, questionnaires and forms, checklists, risk rating charts and trouble shooting tips. Another file contains a powerpoint presentation overview of the MSI process that members can customize to suit their company needs. This is not a WCB document. See also: 1994-0001

EUB Guide 50 Application Electronic Submission Software

Feb 2006 Pub #: 2006-0003 n/a Price:\$ 0

Available: CD;Electronic

(E) (S) Software application for database management and submission of application data on drilling mud systems to the Alberta Energy and Utilities Board. Available on CD.

Fostering Effective Aboriginal Relationships

Jun 2010 Pub #: 2010-0006 2 p. Price:\$ 0

Available: Electronic

(E) (S) The development of any resource can generate shared and potentially conflicting interests between industry and stakeholders such as Aboriginal peoples. Experience has taught us that ongoing communication and mutual respect and understanding are the foundation for effective Aboriginal partnerships and solutions that benefit all parties.

Guide for Effective Public Involvement

Dec 2003 Pub #: 2003-0022 164 p. Price:\$ 0

Available: Electronic;Print

(E) (S) This document is one of CAPP's core stewardship documents.<P>The Guide for Effective Public Involvement is a comprehensive guide of recommended best practices developed by experienced public involvement professionals. It introduces to those new to public involvement, the fundamentals of public involvement, guidelines, steps, backgrounders, case studies, resources and references. This Guide is a core document of CAPP's Stewardship initiative.<P>Limit is 5 print copies per request.

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Guide for Estimation of Flaring and Venting Volumes

Jul 2002 Pub #: 2002-0009 Price:\$ 0

Available: Electronic

(E) (S) This document is to assist oil and gas production companies in quantifying volumes of natural gas vented and flared at typical upstream petroleum facilities as required by EUB Guide 60. This document provides formulas and examples that industry can use. The different methods are presented in order of increasing sophistication and accuracy, though it is up to the Operator to pick the appropriate methodology given the magnitude of the volume being estimated. In general, the simplest method should suffice. See also: 29101

Guide for the Selection and Use of Flame Resistant Workwear

May2008 Pub #: 2008-0007 21 pg Price:\$ 0

Available: Electronic

(E) (S) This document is intended to provide guidance for the selection, use and care of flame resistant workwear (FRW) for protection against exposure of individuals to a hydrocarbon flash fire. Each organization must make its own decisions about the degree of protection they require and type of FRW that meets their needs. The guidance provided in this document will help CAPP member companies and other users to make these decisions. The actual period for which protective workwear can offer protection against the flame, varies with the intensity of the flash fire, the fit of the garment and the capabilities of the wearer. For a particular garment this period of protection may vary considerably from one wearer to another. For purposes of this guide, the recommendations included within are for worker protection against a hydrocarbon flash fire of duration of three seconds or less. It is important for users of FRW to acquire a basic knowledge of flash fire hazards and the clothing offering levels of worker protection. Flame resistant workwear comes in many forms with different material components, weights and styles. Depending on these factors, as well as the potential flash fire hazard and capabilities of wearer, each brand of FRW provides different levels of protection. See also: Stewardship

Guiding Principles for Oil Sands Development

Sept2009 Pub #: 2009-0033 1 p. Price:\$ 0

Available: Electronic

(E) (S) Canada's oil sands industry will provide a secure source of energy, reduce its impact on the environment and provide economic benefits to society while developing this globally significant resource, while observing several guiding principles.

Land Use in Canada's Oil Sands

Sep 2009 Pub #: 2009-0023 4 p. Price:\$ 0

Available: Electronic

(E) (S) Overview of land use and reclamation in the oil sands

region. Includes industry's current performance, examples of best practices and a description of the associated regulatory framework. <P>See also the following related publications:

Canada's Oil Sands, Managing Air Emissions in Canada's Oil Sands, and Managing Water Use in Canada's Oil Sands. See also: 2009-0020, 2009-0021, 2009-0022

Managing Produced Water in Atlantic Canada's Offshore Oil and Gas Industry

Jan 2009 Pub #: 2008-1042 4 p. Price:\$ 0

Available: Electronic

(E) (S) Water is an integral part of oil and gas production. In the offshore, water that has been extracted from an oil and gas reservoir - or produced water - must be treated and disposed of in a manner that is safe and environmentally responsible. This brochure explains how produced water is treated and disposed of and discusses the potential impacts of produced water on the environment.

Mitigation of External Corrosion on Buried Pipeline Systems

Jun 2009 Pub #: 2009-0011 27 p. Price:\$ 0

Available: Electronic

(E) (S) This document addresses the design, maintenance and operating considerations for the mitigation of external corrosion on buried pipelines constructed with carbon steel materials. <P>Corrosion is a dominant contributing factor to failures and leaks in pipelines. To deal with this issue, the CAPP Pipeline Technical Committee has developed industry recommended practices to improve and maintain the mechanical integrity of upstream pipelines. They are intended to assist upstream oil and gas producers in recognizing the conditions that contribute to pipeline corrosion incidents, and identify effective measures that can be taken to reduce the likelihood of corrosion incidents. See also: 2009-0010, 2009-0012, 2009-0013, 2009-0014

Mitigation of Internal Corrosion in Oil Effluent Pipeline Systems

Jun 2009 Pub #: 2009-0012 27 p. Price:\$ 0

Available: Electronic

(E) (S) This document addresses design, maintenance and operating considerations for the mitigation of internal corrosion in oil effluent pipeline systems. <P>Corrosion is a dominant contributing factor to failures and leaks in pipelines. To deal with this issue, the CAPP Pipeline Technical Committee has developed industry recommended practices to improve and maintain the mechanical integrity of upstream pipelines. They are intended to assist upstream oil and gas producers in recognizing the conditions that contribute to pipeline corrosion incidents, and identify

effective measures that can be taken to reduce the likelihood of corrosion incidents. See also: 2009-0010, 2009-0011, 2009-0013, 2009-0014

Mitigation of Internal Corrosion in Oilfield Water Pipelines

Jun 2009 Pub #: 2009-0010 28 p. Price:\$ 0

Available: Electronic

(E) (S) This documents addresses design, maintenance, and operating considerations for the mitigation of internal corrosion in oilfield water handling systems. Corrosion is a dominant contributing factor to failures and leaks in pipelines. To deal with this issue, the CAPP Pipeline Technical Committee has developed industry recommended practices to improve and maintain the mechanical integrity of upstream pipelines. They are intended to assist upstream oil and gas producers in recognizing the conditions that contribute to pipeline corrosion incidents, and identify effective measures that can be taken to reduce the likelihood of corrosion incidents. See also: 2009-0011, 2009-0012, 2009-0013, 2009-0014

Mitigation of Internal Corrosion in Sour Gas Gathering Systems

Jun 2009 Pub #: 2009-0013 34 p. Price:\$ 0

Available: Electronic

(E) (S) This recommended practice addresses design, maintenance and operating considerations for the mitigation of internal corrosion in sour gas gathering systems constructed with carbon steel materials. Corrosion is the dominant contributing factor to failures and leaks in pipelines in the province of Alberta. To deal with this issue, the CAPP Pipeline Technical Committee has developed industry recommended practices to improve and maintain the mechanical integrity of upstream pipelines. They are intended to assist upstream oil and gas producers in recognizing the conditions that contribute to pipeline corrosion failures, and identify effective measures that can be taken to reduce the likelihood of corrosion failures. See also: 2009-0010, 2009-0011, 2009-0012, 2009-0014

Mitigation of Internal Corrosion in Sweet Gas Gathering Systems

Jun 2009 Pub #: 2009-0014 26 p. Price:\$ 0

Available: Electronic

(E) (S) This document addresses design, maintenance and operating considerations for the mitigation of internal corrosion in sweet gas gathering systems. Corrosion is a dominant contributing factor to failures and leaks in pipelines. To deal with this issue, the CAPP Pipeline Technical Committee has developed industry recommended practices to improve and maintain the mechanical integrity of upstream pipelines. They are intended to assist upstream oil and gas producers in recognizing the conditions that contribute to pipeline corrosion incidents, and identify effective measures that can be taken to reduce the likelihood of corrosion incidents. See also: 2009-0010, 2009-0011,

2009-0012, 2009-0013

Noise Management Guidelines

Mar 2002 Pub #: 2001-0034 20 Price:\$ 0

Available: Electronic

(E) (S) Guide will assist member companies in developing their occupational noise management and hearing conservation programs and to establish minimum criteria and processes for management of occupational noise exposure.

Occupational Health and Safety of Hydrogen Sulphide (H2S)

Mar 2003 Pub #: 2003-0004 18 p. Price:\$ 0

Available: Electronic

(E) (S) The Guide will assist companies in the development of their H2S Codes of Practice, specifically fo upstream petroleum companies that do not have occupational health and safety expertise. See also: 1999-0002

Offshore Drilling Waste Management Review

Feb 2001 Pub #: 2001-0007 268 p. Price:\$ 0

Available: Electronic

(E) (S) Information document outlining state-of-the-art drilling technology, waste management technology, environmental management procedures and tools. Provides drilling waste management regulatory review for Canada and other jurisdictions.

Overview: Greenhouse Gas Emissions in Canada's Oil Sands

Sept2009 Pub #: 2009-0024 2 p. Price:\$ 0

Available: Electronic

(E) (S) The variability in GHG emissions depends primarily on what is being produced. Overall life cycle GHG emissions of oil sands are comparable to conventional oil. The industry is regulated by the Province. The oil sands industry continues to reduce GHG emission intensity through continual advancements in technology and energy efficiency.

Overview: Water Use in Canada's Oil Sands

Sept2009 Pub #: 2009-0025 2 p. Price:\$ 0

Available: Electronic

(E) (S) The industry is working hard to continue reducing its fresh water usage, increasing recycling, and wherever possible replacing fresh water with saline water or recycled industrial wastewater. Industry continues to develop new technologies that will greatly reduce or eliminate the need for water.

Planning Horizontal Directional Drilling for Pipeline Construction

Sept2004 Pub #: 2004-0022 Price:\$ 0

Available: Electronic

(E) (S) Horizontal Directionally Drilling (HDD) has proven itself over the last few years to be a very effective technique for the installation of pipelines and other utilities in sensitive or congested areas. This document provides guidance on the regulatory, environmental, geotechnical, risk, economics, engineering, contractual and construction considerations that must be evaluated prior to any final decisions to proceed with an HDD installation. The purpose of this document is to assist pipeline companies, contractors and regulators in planning, evaluating and constructing HDD crossings.

Responsible Recreational Land Use in Alberta's Backcountry

Oct 2004 Pub #: 2004-0017 2 p. Price:\$ 0

Available: Electronic;Print

(E) (S) AB StreamWatch is a multi-stakeholder group operating in Alberta's north-east slope regions. The group was founded by Trout Unlimited, local Department of Sustainable Resource Development (SRD) field officers and a number of CAPP members to support responsible public access in the eastern slopes. This publication is an educational tool intended for oil field workers to illustrate that the responsible use and stewardship of Alberta's natural heritage is everyone's responsibility.

Stewardship Framework

Jan 2005 Pub #: 2004-0014 4 p. Price:\$ 0

Available: Electronic;Print

(E) (S) This framework documents describes the supporting foundation of Stewardship for all stakeholders to better understand the tenets of the initiative.

The Life Cycle of Pipeline Watercourse Crossings in Canada: Questions and Answers

Oct 2009 Pub #: 2009-0039 40 p. Price:\$ 0

Available: Electronic

(E) (S) Watercourse crossings are common along Canadian pipeline routes. These particular locations merit focus because of the associated environmental sensitivities, multiple legislative considerations and complex design and installation activities. This guide, prepared by the Canadian Pipeline Environment Committee (CPEC), is intended to increase awareness and understanding among industry and government about the various considerations when planning, constructing and operating a pipeline at a watercourse crossing (excluding offshore pipelines). CPEC is a multi-stakeholder group of industry and government representatives with an interest in sound environmental management of pipelines in Canada.

The Pipeline Industry and the Migratory Birds Convention Act

Jan 2004 Pub #: 2004-0025 20 p. Price:\$ 0

Available: Electronic

(E) (S) Many activities carried out by Canadian pipeline companies can affect migratory birds and their habitat.

Canada's Migratory Birds Convention Act is legislation dedicated to conserving and protecting migratory birds and bird habitat. This backgrounder, published by the Canadian Pipeline Environment Committee (CPEC), raises awareness of the Act and suggests ways in which pipeline companies can manage their activities to meet or surpass the legislation. CPEC is a multi-stakeholder group of industry, government and public representatives with an interest in sound environmental management of pipelines in Canada.

Waste Profile Sheets

Sept2009 Pub #: 2009-0028 Price:\$ 0

Available: Electronic

(E) (S) The Waste Profile Sheets contained in the guide have been prepared to assist upstream petroleum industry operations with the classification and handling of common industry wastes for British Columbia, Alberta, Saskatchewan and Northwest Territories. In particular, the Sheet's information satisfy the requirements of the BC Occupational and Safety Regulation Section 5.78. Each Waste Information Sheet has been divided into four sections: General Information, Hazard Information, Management Methods, and Transportation.

Water Use in Canada's Oil Sands

Sep 2009 Pub #: 2009-0022 10 p. Price:\$ 0

Available: Electronic

(E) (S) Overview of water use and water quality in the oil sands region. Includes industry's current performance, a discussion of Athabasca River water quantity and quality, tailings pond use and reclamation, increased use of saline water sources and recycling for insitu operations and a description of the associated regulatory framework. See also the following related publications: Canada's Oil Sands, Managing Air Emissions in Canada's Oil Sands, and Managing Land Use in Canada's Oil Sands. See also: 2009-0020, 2009-0021, 2009-0023

Fiscal & Statistical

CAPP Statistical Handbook (2009 data)

Mar 2010 Pub #: 2010-9999 200 p. Price:\$ 0

Available: Electronic

(E) The CAPP Statistical Handbook is a historical summary of the petroleum industry's progress, summarizing detailed statistical information concisely in one publication. The handbook features drilling, reserves, production and other current and historical data. Additional data is developed annually to retain the value of the handbook as an up-to-date reference source. <P>The Statistical Handbook is available

online giving users access to real-time data. Users may download Excel spreadsheets with data by subject, such as prices or reserves, or create customized spreadsheets. <P>The hard copy of the Statistical Handbook is updated once a year and can be downloaded below. For more information about the contents of the handbook, email statshandbook@capp.ca.

Computer Software License and Maintenance Agreement

Apr 2006 Pub #: 2005-0029 18 p. Price:\$ 0

Available: Electronic

(E) The IT Procurement Standard Form of Software License and Maintenance Agreement is intended to provide a standard boilerplate template to assist oil and gas companies to expedite the acquisition of computer software and associated services such as maintenance, support and subscriptions. The standard agreement was developed and legally vetted by an independent IT Procurement Group comprised of eleven major oil, gas, pipeline and transportation companies. The agreement was approved in November 2005 by the CAPP Fiscal Executive Policy Group (EPG) for distribution as a CAPP best management practice.

International Financial Reporting Standards Information Guide

Feb 2009 Pub #: 2009-0004 80 p. Price:\$ 0

Available: Electronic

(E) <P>Canadian public upstream oil and gas companies face a challenging transition to International Financial Reporting Standards (IFRS) as they significantly change their current accounting policies and perhaps their business practices.<P>Companies need to be actively engaged in preparation for implementation of IFRS and the priority is immediate.<P>Traditionally oil and gas accounting for exploration and development costs used either the "full cost" or "successful efforts" accounting method. With the adoption of IFRS, full cost oil and gas companies will be expected, for the most part, to abandon or significantly change their current accounting policies.<P>The Canadian Association of Petroleum Producers (CAPP) and the Small Explorers and Producers Association of Canada (SEPAC), along with input

from industry work groups, have produced an Information Guide on IFRS conversion for the Canadian upstream petroleum industry. This new IFRS Guide has been developed for CEOs, CFOs, VP Finances, Controllers, and their staff, directly involved in the preparation and dissemination of a company's quarterly financial statements and annual reports.

Oil Sands - Benefits to Alberta and Canada, today and tomorrow, through a fair, stable and competitive fiscal regime

May 2007 Pub #: 2007-0011 58 p. Price:\$ 0

Available: Electronic;Print

(E) The Oil Sands - Benefits to Alberta and Canada, today and tomorrow, through a fair, stable and competitive fiscal regime document describes the history of oil sand royalties, the current royalty framework and the need for fiscal regimes that are competitive and provide certainty and stability. See also: 2007-0012

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Health & Safety

2010 Responsible Canadian Energy Metrics Reporting Guide

Apr 2010 Pub #: 2010-0014 Price:\$ 0

Available: Electronic

(E) The 2010 RCE Metrics Guide provides CAPP members with a standardized approach to preparing and submitting their RCE data in an efficient and consistent way. The Guide provides a definition and scope for each measure, sources of information, suggested methods for calculating or estimating values, sample data validations where appropriate and reporting units See also: 2010-0016

A Feasibility Study on Responding to a Lower Hydrogen Sulfide Exposure Limit for Workers

Dec 2009 Pub #: 2009-0035 40 p. Price:\$ 0

Available: Electronic

(E) A discussion paper reviewing the technological capabilities to personal and fixed H2S monitors with regard to proposed H2S occupational exposure limits.<P>In 2008, ACGIH published a Notice of Intended Changes for H2S of 1 ppm for a Time Weighted Average (TWA), and 5 ppm for a Short Term Exposure Limit (STEL). This project will help CAPP prepare to provide comment to regulatory on the technological feasibility of meeting these proposed limits.

Atlantic Canada Offshore Petroleum Industry Escape, Evacuation and Rescue Guide

Jun 2010 Pub #: 2010-0017 34 p. Price:\$ 0

Available: Electronic

(E) The Atlantic Canada Offshore Petroleum Industry Escape, Evacuation and Rescue Guide is the culmination of a joint effort among offshore industry operators, drilling contractors and regulatory authorities. The resulting Guide is intended to assist operators with respect to escape, evacuation and rescue (EER) by establishing the broad performance goals of escape, evacuation and rescue emergency response. The concept of a performance or goal based approach to escape, evacuation and rescue was envisioned in the report by the Royal Commission on the Ocean Ranger Marine Disaster, 1985 recommendations 81 and 107.<P>For the first twelve months after publication, CAPP will be collecting feedback from users of the guide.

Atlantic Canada Offshore Petroleum Industry Standard Practice for the Training and Qualifications of Personnel

Apr 2008 Pub #: 2008-1038 128 p. Price:\$ 0

Available: Electronic

(E) This document contains a concise description of the minimum qualifications and certified safety training required of individuals working in Atlantic Canada's offshore petroleum industry and is intended for operators of

offshore installations in Atlantic Canada. The document has been produced as an effort to remedy the deficiencies found in the formal training of offshore workers in Atlantic Canada. The requirements have been made sufficiently broad to allow their application to each type of installation likely to operate in Atlantic Canada's offshore areas. Future editions will likely be applicable to all Canadian offshore areas.

Benzene Emission Reductions by the Upstream Petroleum Industry

Sep 2003 Pub #: 2003-0011 2 p. Price:\$ 0

Available: Electronic;Print

(E) This document provides background information on Benzene emissions in the oil and gas industry and what industry is doing to regulate and reduce emissions. See also: 2003-0005, 2000-0035, 1999-0008

Best Management Practice for Wildfire Prevention

Jan 2008 Pub #: 2007-0022 75 p. Price:\$ 0

Available: Electronic

(E) Best Management Practices are to be used collectively by the upstream oil and gas industry to assist them in the prevention of industry caused wildfires, and to mitigate the impact of catastrophic fires on industry infrastructure, operations, liability, personnel safety and the environment.

Bodily Fluids Exposure

Feb 2006 Pub #: 2005-0043 16 p. Price:\$ 0

Available: Electronic

(E) This document is intended for all companies where their employee's are expected to administer first aid and thus be exposed to bodily fluids. It addresses training content, risk management and engineering controls. The scope of the document is intentionally generic so that it can be applied across a wide variety of industry / public sector as well as across the provinces / territories of Canada.

Business Travel First Aid and Medication Guidelines

Dec 2005 Pub #: 2005-0035 12 p. Price:\$ 0

Available: Electronic

(E) These guidelines and the travel kit information are designed for travellers to use when medical assistance is not readily available. The guidelines will assist individuals in putting together their own first aid kit for travel.

Canadian East Coast Offshore Petroleum Industry Safe Lifting Practices

Nov 2007 Pub #: 2007-0001 62 p. Price:\$ 0

Available: Electronic

(E) The Canadian East Coast Offshore Petroleum Industry Safe Lifting Practices Respecting: Offshore Pedestal Cranes, Offshore Containers, Loose Gear, Other Lifting Devices, and Operational Best Practices was developed by a working group with representatives of Industry, the Offshore Petroleum Boards and Certifying Authorities to outline

(S) Relates to CAPP's Environment, Health and Safety Stewardship program

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industry "best practices" for operators responsible for the management, planning and execution of offshore lifting operations and to assist in the interpretation of applicable legislation and standards. Considered within the Practice are safe design requirements, manufacture, certification, testing, maintenance and inspection requirements for pedestal cranes, offshore containers, loose gear and lifting devices. Operational best practices for lifting operations and a process for equivalencies are also included.

Canadian Labour Standards - Hours of Work

Feb 2008 Pub #: 2008-0003 32 p. Price:\$ 0

Available: Electronic

(E) The Canadian Labour Standards - Hours of Work Guide is a reference document to the federal and provincial legislation on employees' hours of work in Alberta, British Columbia, Manitoba, Newfoundland, Northwest Territories, Saskatchewan, Yukon and federally regulated work places. The guide provides a listing of the applicable legislation within each jurisdiction and a link to the associated Act, Code or Regulation on the labour ministry's website. The guide also highlights the specific sections within the legislation that are pertinent to hours of work standards.

Contractor Health, Safety and Environment Contract Requirements and Preliminary Information Request

May 2006 Pub #: 2005-0039 19 p. Price:\$ 0

Available: Electronic

(E) Checklist to assist members in assessing health, safety and environment pre-qualification requirements for contractors. Identifies specific topics that may be include in the contract document, components of the safety program which can be selected for the project, minimum safety work practices and a form for contractor evaluations. The appendices are also available separately in a Word document for completion. Please note: The sole purpose of the contractor assessment questionnaire on this website to provide a standard guide for contractors on the type of information that is likely to be required during contractor assessments. The goal is to simplify and reduce costs while maintaining high standards. Contractors should be aware that this questionnaire is a guide only. It does not mandate nor restrict the information that may be requested about a contractor prior to awarding work. Alternative information or additional information may be requested in accordance with the practices of any individual company. CAPP is aware that some registries have been created by private interests that in general offer companies a service while seeking fees from those seeking contracts. It is NOT the purpose of the CAPP guide to increase costs to those seeking contracts and CAPP does NOT endorse any registry or any particular contractor assessment process.

Contractor Health, Safety and Environment Contract Requirements and Preliminary Information Request - Appendices (Word format)

May 2006 Pub #: 2005-0039 19 p. Price:\$ 0

Available: Electronic

(E) Checklist to assist members in assessing health, safety and environment pre-qualification requirements for contractors. Identifies specific topics that may be include in the contract document, components of the safety program which can be selected for the project, minimum safety work practices and a form for contractor evaluations. The appendices are also available separately in a Word document for completion.

Control of Benzene Emissions from Glycol Dehydrators

Jun 2006 Pub #: 2006-0011 80 p. Price:\$ 0

Available: Electronic

(E) The Canadian upstream oil and gas industry is committed to minimizing health risks related to benzene emissions from glycol dehydrator operations through a continued reduction program. To further encourage emissions reductions, the Alberta Energy and Utilities Board and Alberta Environment have jointly issued Directive 039 effective July 1, 2006. Licensees must comply with the new requirements by July 1, 2007. The CAPP Best Management Practice (BMP) provides the tools necessary to be in compliance with the new requirements. Appendix C of the CAPP BMP, Dehydrator Benzene Inventory List, can be downloaded as an Excel file.

Dehydrator Benzene Inventory List (Form)

Jun 2006 Pub #: 2006-0011 2 p. Price:\$ 0

Available: Electronic

(E) The Canadian upstream oil and gas industry is committed to minimizing health risks related to benzene emissions from glycol dehydrator operations through a continued reduction program. To further encourage emissions reductions, the Alberta Energy and Utilities Board and Alberta Environment have jointly issued Directive 039 effective July 1, 2006. Licensees must comply with the new requirements by July 1, 2007. The CAPP BMP provides the tools necessary to be in compliance with the new requirements.

Electrical Installations for Impressed Current Cathodic Protection Systems

Dec 2008 Pub #: 2008-1035 30 p. Price:\$ 0

Available: Electronic

(S) Relates to CAPP's Environment, Health and Safety Stewardship program

(E) An electronic version may be downloaded from CAPP's public site www.capp.ca. Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.

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(E) Impressed Current Cathodic Protection systems are a technique for controlling the corrosion of a metal surface by making that surface the cathode of an electrochemical cell. Impressed Current Cathodic Protection systems are in widespread use at thousands of oil and gas surface production facilities, and serve to prevent failure of piping and other facilities which may lead to uncontrolled release of products, resulting in safety hazards and environmental contamination. This guide is intended to help those designing, installing, inspecting, or maintaining impressed current cathodic protection systems meet minimum regulatory requirements; and it also simultaneously benefits worker safety and reliability of the system. It outlines, from an electrical perspective, design and installation criteria related to impressed current cathodic protection systems, including: codes and standards related to cathodic protection work; worker qualification; equipment certification; connection and splicing methods; installations; warning signs; documentation; electrical inspections. Any questions regarding the Guide "Electrical Installations for Impressed Current Cathodic Protection Systems" can be forwarded to Cecil Gordon, EnCana Corporation, cecil.gordon@encana.com, or Tim Driscoll, Shell Canada Limited, tim.driscoll@shell.com. See also: 2009-0019

Environmental Operating Practices Upstream Petroleum Industry - BC Operations (Drilling)

Mar 2003 Pub #: 2002-0016 198 p. Price: \$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. Each volume follows a chronological sequence of planning, implementation and follow-up activities. The set of five volumes is available electronically on a searchable CD for \$130. See also: overview volume, geophysics volume, production volume, pipelines volume, AD, SK Operating Practices

Environmental Operating Practices Upstream Petroleum Industry - BC Operations (Geophysics)

Mar 2003 Pub #: 2002-0016 113 p. Price: \$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and

resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. Each volume follows a chronological sequence of planning, implementation and follow-up activities. The set of five volumes is available electronically on a searchable CD for \$130.

Environmental Operating Practices Upstream Petroleum Industry - BC Operations (Overview)

Mar 2003 Pub #: 2002-0016 95 p. Price: \$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. Each volume follows a chronological sequence of planning, implementation and follow-up activities. The set of five volumes is available electronically on a searchable CD for \$130. See also: Drilling volume, Pipelines Volume, Geophysics Volume, Production volume, AB, SK Environmental Operations

Environmental Operating Practices Upstream Petroleum Industry - BC Operations (Pipelines)

Mar 2003 Pub #: 2002-0016 220 p. Price: \$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. Each volume follows a chronological sequence of planning, implementation and follow-up activities. The set of five volumes is available electronically on a searchable CD for \$130. See also: overview volume, drilling volume, production volume, geophysics volume, AB, SK Operating Practices

Environmental Operating Practices Upstream Petroleum Industry - BC Operations (Production)

Mar 2003 Pub #: 2002-0016 262 p. Price: \$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies identify regulatory requirements and environmental issues that affect their operations. The

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Ergonomic Risk Identification and Assessment - Checklists and Troubleshooting

Mar 2000 Pub #: 2000-0005 2 MB Price:\$ 0

Available: CD;Electronic

(E) The files in this CD provide ergonomic risk identification and assessment tools for use in the oil and gas industry. This information provides templates and ergonomic guidelines for identifying and prioritizing tasks that place workers at risk of musculoskeletal injury. The development of this ergonomic tool assists in addressing ergonomic requirements with the BC Workers' Compensation Board. This tool has broad application in other provinces where industry operates. Includes two pamphlets regarding understanding and preventing musculoskeletal injuries (MSI), checklists and troubleshooting tips for Office, Bulk Agencies and Retail/Marketing personnel, flow diagrams, questionnaires and forms, checklists, risk rating charts and trouble shooting tips. Another file contains a powerpoint presentation overview of the MSI process that members can customize to suit their company needs. This is not a WCB document. See also: 1994-0001

Ergonomic Risk Identification and Assessment - Identification and Assessment Tool

Mar 2000 Pub #: 2000-0005 2 MB Price:\$ 0

Available: CD;Electronic

(E) The files in this CD provide ergonomic risk identification and assessment tools for use in the oil and gas industry. This information provides templates and ergonomic guidelines for identifying and prioritizing tasks that place workers at risk of musculoskeletal injury. The development of this ergonomic tool assists in addressing ergonomic requirements with the BC Workers' Compensation Board. This tool has broad application in other provinces where industry operates. Includes two pamphlets regarding understanding and preventing musculoskeletal injuries (MSI), checklists and troubleshooting tips for Office, Bulk Agencies and Retail/Marketing personnel, flow diagrams, questionnaires and forms, checklists, risk rating charts and trouble shooting tips. Another file contains a powerpoint presentation overview of the MSI process that members can customize to suit their company needs. This is not a WCB document. See also: 1994-0001

Ergonomic Risk Identification and Assessment - The Basics

Mar 2000 Pub #: 2000-0005 2 MB Price:\$ 0

Available: CD;Electronic

(E) The files in this CD provide ergonomic risk identification and assessment tools for use in the oil and gas industry. This information provides templates and ergonomic guidelines for identifying and prioritizing tasks that place workers at risk of musculoskeletal injury. The development of this ergonomic tool assists in addressing ergonomic requirements with the BC Workers' Compensation Board. This tool has broad application in other provinces where industry operates. Includes two pamphlets regarding understanding and preventing musculoskeletal injuries (MSI), checklists and troubleshooting tips for Office, Bulk Agencies and Retail/Marketing personnel, flow diagrams, questionnaires and forms, checklists, risk rating charts and trouble shooting tips. Another file contains a powerpoint presentation overview of the MSI process that members can customize to suit their company needs. This is not a WCB document. See also: 1994-0001

Flammable Environments Guideline

Dec 2004 Pub #: 2004-0016 19 p Price:\$ 0

Available: Electronic

(E) This document is a guide for CAPP members who are planning and supervising work where there is a need to minimize the hazards of a flammable environment. The content of this guide: Identifies regulatory requirements applicable in a flammable environment.Describes a process flowchart for determining action in a (possible) flammable work area.Raises awareness of associated hazards, which may minimize possible flammable exposure risks to workers and processes.Outlines a risk-based approach to ensure that all CAPP member worksites that have a potential of generating a flammable environment are identified and appropriate controls are implemented.Provides on-site work sheet tool (Appendix A) that can be copied and used as documentation forms to assess a worksite task for potential flammable exposure and identify appropriate controls.

Guide for the Selection and Use of Flame Resistant Workwear

May 2008 Pub #: 2008-0007 21 pg Price:\$ 0

Available: Electronic

(E) This document is intended to provide guidance for the selection, use and care of flame resistant workwear (FRW) for protection against exposure of individuals to a hydrocarbon flash fire. Each organization must make its own decisions about the degree of protection they require and type of FRW that meets their needs. The guidance provided in this document will help CAPP member companies and other users to make these decisions. The actual period for which protective workwear can offer protection against the

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flame, varies with the intensity of the flash fire, the fit of the garment and the capabilities of the wearer. For a particular garment this period of protection may vary considerably from one wearer to another. For purposes of this guide, the recommendations included within are for worker protection against a hydrocarbon flash fire of duration of three seconds or less. It is important for users of FRW to acquire a basic knowledge of flash fire hazards and the clothing offering levels of worker protection. Flame resistant workwear comes in many forms with different material components, weights and styles. Depending on these factors, as well as the potential flash fire hazard and capabilities of wearer, each brand of FRW provides different levels of protection. See also: Stewardship

Guideline for Prevention and Safe Handling of Hydrates

Jan 1994 Pub #: 1994-0002 10 p. Price:\$ 0

Available: Electronic

(E) Resource material intended to assist operators in developing their own specific procedures for prevention and safe handling of hydrates, supplementing provincial regulatory and manufacturer requirements. Briefly identifies applicable Alberta regulations, discusses the nature and formation of hydrates, hydrate detection, hydrates in pipelines, hydrate prevention equipment, hydrate removal options, and the effect of reservoir depletion on hydrates.

H2S Release Rate Assessment Audit Form

Jan 1999 Pub #: 1999-0004 72 MB Price:\$ 0

Available: CD

Describes how to estimate the H2S release rate for well drilling. A spreadsheet provides audit sheets for N2S release rate determination (geological summary, formation data sheet and summary sheet). A pdf file (71,954 kb) includes audit form examples, maps, and a contacts list. Available on CD only.

H2S Release Rate Assessment Guidelines

Jan 1999 Pub #: 1999-0004 Price:\$ 0

Available: CD

Describes how to estimate the H2S release rate for well drilling. A spreadsheet (Excel file) provides audit sheets for H2S release rate determination (geological summary, formation data sheet and summary sheet). A pdf file (71,954 kb) includes audit form examples, maps, and a contacts list. Available on CD only.

Hantavirus Health Effects and Protection Guideline

Jan 2000 Pub #: 2000-0013 1 p. Price:\$ 0

Available: Electronic

(E) Provides employers and workers with information concerning risk of hantavirus infection and recommended safe work practices.

Health and Safety in the Offshore Oil and Gas Industry in Atlantic Canada

Aug 2005 Pub #: 2005-0022 4 p. Price:\$ 0

Available: Electronic;Print

(E) This brochure outlines what the industry is doing to ensure their operations in Atlantic Canada are safe and healthy places to work. It also describes workplace training, workers' involvement in health and safety issues and the regulations that oversee health and safety offshore.

Impressed Current Cathodic Protection Rectifier Design-for-Safety Guideline

Oct 2009 Pub #: 2009-0019 69 p. Price:\$ 0

Available: Electronic

(E) Impressed current cathodic protection systems are a technique for controlling the corrosion of a metal surface by making that surface the cathode of an electrochemical cell. Impressed current cathodic protection systems are in widespread use at thousands of oil and gas surface production facilities, and serve to prevent failure of piping and other facilities which may lead to uncontrolled release of products, resulting in safety hazards to workers and the public, and environmental contamination. Cathodic protection rectifiers are used to convert AC current to DC current in order to supply impressed DC current to the protected facilities. The interiors of these rectifiers contain numerous energized electrical components; and for a cathodic protection worker, the interiors of these rectifiers pose the highest risk of electric shock hazard in the cathodic protection system. Tragically, a cathodic protection worker was electrocuted in 2004 as a result of accidentally contacting energized components inside of a cathodic protection rectifier. It is the intent of the joint industry committee which has compiled this guideline that the designs of these cathodic protection rectifiers be made as safe as practical, and that new rectifiers available on the market incorporate these safety features as much as possible for the benefit of the protection of the personnel who must operate and maintain this equipment. Over the last several decades there have been numerous manufacturers supplying the market, models, and variations in the design of these rectifiers; and many of these units are still in service in the oil and gas industry. It is not the intent of this guideline to address these existing installations; however, cathodic protection system owners and operators are advised that these existing installations may need to be periodically reviewed for safety risks, and modifications and/or replacement may be necessary in some cases. If replacement is desirable, then this guideline will be useful in helping to specify a replacement rectifier. This guideline contains the following information: A glossary of cathodic protection terms; Codes and standards related to cathodic protection rectifiers; Equipment certification requirements; Worker qualifications for cathodic protection system operation and maintenance and their bearing on cathodic protection rectifier designs; A basic description of how cathodic protection systems work and the

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main components of cathodic protection rectifiers (some essential information to help the user interpret and apply the recommendations found in this guideline);\r\nA gap analysis identifying safety risks and potential mitigation approaches;\r\nA description of the recommended safety features and example rectifier designs incorporating those features;\r\nA template purchasing specification to be used for specifying cathodic protection rectifiers with increased safety; features See also: 2008-1035

Industry Recommended Practice for Upstream Gas-Fired Equipment Requirements

Dec 2005 Pub #: 2005-0041 54 p. Price:\$ 0

Available: Electronic

(E) The CAPP Upstream Gas Fired Equipment Approvals Requirements (UGFEAR) Committee has developed a handbook to provide practitioners with a recommended practice that would not only meet the requirements of the Alberta variance, but would also ensure the industry was designing and installing equipment that was safe for personnel and had the necessary equipment integrity. This industry recommended practice (IRP) establishes minimum industry norms for the design, construction, operation and maintenance of natural draft heaters.

Medical Assessment Guidelines for Fitness to Work Offshore

May 2001 Pub #: 2001-0005 23 p. Price:\$ 0

Available: Electronic

(E) Guidelines intended for the use of physicians completing the medical examination for fitness to work offshore. Discusses policy issues such as objectives of the medical assessment, the offshore workplace, the examination, assessment of fitness, and confidentiality of medical information. Provides guidance on specific conditions that may affect medical fitness to work offshore, i.e., "red flags". Includes list of required medical investigations, required testing based on special job categories, and recommended medical questionnaire/examination form and fitness certificate.

National Pollutant Release Inventory VOC Speciation Calculator

Jan 2005 Pub #: 2005-0002 Price:\$ 0

Available: Electronic

(E) Under the NPRI reporting requirements, estimates of emissions of individual VOCs (volatile organic compounds), speciated from mixtures, are required in order to mathematically represent their dispersion and reaction in regional air quality modeling of the formation of ground level ozone and PM. The Excel spreadsheet will apply profiles and estimate the speciated emissions on a consistent basis. See also: 2005-0001

Noise Management Guidelines

Mar 2002 Pub #: 2001-0034 20 Price:\$ 0

Available: Electronic

(E) Guide will assist member companies in developing their occupational noise management and hearing conservation programs and to establish minimum criteria and processes for management of occupational noise exposure.

Occupational Health and Safety of Hydrogen Sulphide (H2S)

Mar 2003 Pub #: 2003-0004 18 p. Price:\$ 0

Available: Electronic

(E) The Guide will assist companies in the development of their H2S Codes of Practice, specifically for upstream petroleum companies that do not have occupational health and safety expertise. See also: 1999-0002

Oil Mist Monitoring Protocol

Dec 2004 Pub #: 2005-0010 Price:\$ 0

Available: Electronic

(E) Occupational exposure to oil mist is a common occurrence during oil well drilling operations involving the use of invert mud. In addition, exposure to oil mist may occur during the production and refining of crude oil. Exposure to lubricating oil mist may also occur in locations where pumps and compressors are operating. Oil mist spray poses occupational health and fire safety concerns, and suitable sampling methods are required to assess and adequately control these hazards

effectively.<P>Objectives<P>The following project was undertaken in an effort to:Outline the current difficulties in oil mist sample collection, analysis and interpretation.Recommend an air sample collection and analytical method(s) for use by the petroleum industry for the evaluation of worker exposure to oil mist and fire safety risk of this contaminant. Outline the limitations of the sample collection and analytical method(s) recommended for evaluation of worker exposure to oil mist.Discuss how the results of the sampling can be interpreted with respect to both occupational health and fire safety regulatory requirements.Present a list of qualified laboratories that can analyze for oil mist in accordance with the recommended method(s).

Oil Sands: The Principles and Relationships Behind the Resource

Sept 2009 Pub #: 2009-0031 2 p. Price:\$ 0

Available: Electronic

(E) Policies, procedures, and programs are geared to cultivating effective relationships while safeguarding the people we work with, and the people who are affected by our work.

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Polycyclic Aromatic Hydrocarbon (PAH) Monitoring Protocol

Dec 2004 Pub #: 2005-0009 Price:\$ 0

Available: Electronic

(E) <P>The significant increase in processing of heavy oil and tar sands in Western Canada in recent years has led to the rising concerns on worker exposure to polycyclic aromatic hydrocarbons.<P>Polycyclic aromatic hydrocarbons are a large group of organic compounds comprised of two or more aromatic rings and by-products of combustion. They are found in crude oil and a variety of products such as bitumen, asphalt, coal tar pitch volatiles, and unrefined or mildly refined mineral oils. With the exception of lighter polycyclic aromatic hydrocarbon compounds that volatilize at normal temperatures, polycyclic aromatic hydrocarbons are normally found in air adhered to particulate matter. The main health concern with polycyclic aromatic hydrocarbons is cancer. Several individual compounds have been identified as possible or known carcinogens.<P>Due to the complex nature of polycyclic aromatic hydrocarbon mixtures, determining the most appropriate sampling and analytical method for these compounds is challenging. Currently, there are occupational exposure standards for polycyclic aromatic hydrocarbon containing products, such as asphalt and coal tar pitch volatiles; however, extremely limited exposure standards exist for individual polycyclic aromatic hydrocarbons. Current analysis for individual polycyclic aromatic hydrocarbons is complex, onerous and costly to conduct. Questions about the accuracy of the sampling and analytical methods and how to interpret the results also exists. The following report was undertaken to:
Outline current difficulties in polycyclic aromatic hydrocarbon sample collection, analysis and interpretation.Recommend an air sample collection and analytical method(s) to be used by the petroleum industry for the evaluation of worker exposure to polycyclic aromatic hydrocarbons.Outline the limitations of the sample collection and analytical method(s) recommended.Discuss how the results of the sampling can be interpreted with respect to the regulatory exposure requirements.Present a list of qualified laboratories that can analyze for polycyclic aromatic hydrocarbons in accordance with the recommended method(s).

Reporting of Occupational Injuries

Jun 2008 Pub #: 2008-1029 34 p. Price:\$ 0

Available: Electronic

(E) The purpose of this Guide is to provide a framework for consistent reporting of occupational injuries for petroleum industry operations managed by a CAPP member company and for benchmarking safety performance. These data provide statistical information and are intended to support prevention and improvement activities.

These reporting requirements are for occupational injuries affecting employees and contractors. Injuries occurring in a joint venture under a member company's operating control are

included. Injuries occurring in downstream oil and natural gas, chemicals, subsidiaries or to partnerships are not included. See also: n/a

Respiratory Protection Guidelines

Jan 1999 Pub #: 1999-0001 35 p. Price:\$ 0

Available: Electronic

(E) Provides a resource to member companies to develop their own practices for respiratory protective equipment (RPE) and to provide guidance for developing a health assessment program for the users of RPE. These guidelines can be applied to all petroleum exploration and production activities where RPE is required.

Responsible Water Management in Canada's Oil and Gas Industry

Jun 2010 Pub #: 2010-0018 4 p. Price:\$ 0

Available: Electronic;Print

(E) Responsible water use and continual improvement in water management is a high priority for the upstream oil and gas industry. The industry is proactively developing new technologies and methods of production that are less fresh water-intensive, maximizing water recycling and reuse, incorporating groundwater monitoring well networks at its facilities, and implementing wetland mitigation strategies.

Selection of Fire Resistant Workwear

Apr 1999 Pub #: 1999-0005 15 p. Price:\$ 0

Available: Electronic

(E) A guide in selection of fire resistant workwear (FRW) for protection against exposure to a hydrocarbon flash fire. Users are encouraged to develop a corporate management system. Definitions and types of FRW are described. An appendix includes a selection criteria checklist and references.

Shelter-In-Place Instructions

May 2006 Pub #: 2005-0019 5 p. Price:\$ 0

Available: Electronic

(E) Shelter-In-Place is the practice of going or remaining indoors during a sudden outdoor release of a hazardous substance resulting from a fire, vehicle accident, train derailment, industrial incident or natural disaster. Shelter-In-Place has been demonstrated to be the most effective response during the first few hours of a substance release by creating a buffer between you and any toxic hazard that may be in outside air. As a result, emergency responders may request that you Shelter-In-Place.

Upstream Petroleum Industry Benzene Emissions from Glycol Dehydrator Status Report 2006

Sept 2008 Pub #: 2008-1032 20 p. Price:\$ 0

Available: Electronic

(E) A multi-stakeholder task force agreed to a voluntary approach whereby the oil and gas industry committed to

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reduce and report benzene emissions from glycol dehydrators. This report provides a summary and analysis of the benzene emissions reporting and the results of benzene reductions from glycol dehydrators in 2006.

Upstream Petroleum Industry Benzene Emissions from Glycol Dehydrators Status Report 2004

Mar 2006 Pub #: 2005-0018 23 p. Price:\$ 0

Available: Electronic

(E) A multi-stakeholder task force agreed to a voluntary approach whereby the oil and gas industry committed to reduce and report benzene emissions from glycol dehydrators. This report provides a summary and analysis of the benzene emissions reporting and the results of benzene reductions from glycol dehydrators in 2004.

Upstream Petroleum Industry Benzene Emissions from Glycol Dehydrators Status Report 2005

Jan 2008 Pub #: 2007-0015 5 p. Price:\$ 0

Available: Electronic

(E) A multi-stakeholder task force agreed to a voluntary approach whereby the oil and gas industry committed to reduce and report benzene emissions from glycol dehydrators. This report provides a summary and analysis of the benzene emissions reporting and the results of benzene reductions from glycol dehydrators in 2005.

Use of Water - Alberta's Upstream Oil and Gas Industry

Mar 2002 Pub #: 2002-0005 52 p. Price:\$ 0

Available: Electronic;Print

(E) Analysis in this report identifies public concerns regarding water use, reviews legislation as it applies to the oil and gas industry and provides statistical and technical data relative to the industry's use of water in Alberta.

Industry Operations

A Feasibility Study on Responding to a Lower Hydrogen Sulfide Exposure Limit for Workers

Dec 2009 Pub #: 2009-0035 40 p. Price:\$ 0

Available: Electronic

(E) A discussion paper reviewing the technological capabilities to personal and fixed H2S monitors with regard to proposed H2S occupational exposure limits. In 2008, ACGIH published a Notice of Intended Changes for H2S of 1 ppm for a Time Weighted Average (TWA), and 5 ppm for a Short Term Exposure Limit (STEL). This project will help CAPP prepare to provide comment to regulatory on the technological feasibility of meeting these proposed limits.

A Guide on the Use of International Standard NACE MR0175/ISO15156

Sept2006 Pub #: 2005-0042 37 p. Price:\$ 0

Available: Electronic

(E) The NACE MR0175/ISO 15156 International Standard for the selection of crack-resistant materials for use in H2S-containing environments has had a significant impact on various aspects of the oil & gas industry in Canada. This CAPP Guide is designed as a reference tool to assist companies by providing: a brief overview of the NACE/ISO publication, outlining the most significant changes and their implication to the industry, guidance and assistance on how to apply the new publication using simple to follow flowcharts, and clarification examples, sample forms which could be used to meet the intent of the publication.

Best Management Practice for Fugitive Emissions Management

Jan 2007 Pub #: 2007-0003 59 p. Price:\$ 0

Available: Electronic

(E) The aim of this Best Management Practices document is to assist the upstream oil and gas industry to meet the requirements under section 8.7 of AEUB Directive 060 and to cost effectively manage the most likely sources of significant emissions.

Best Management Practice for Wildfire Prevention

Jan 2008 Pub #: 2007-0022 75 p. Price:\$ 0

Available: Electronic

(E) Best Management Practices are to be used collectively by the upstream oil and gas industry to assist them in the prevention of industry caused wildfires, and to mitigate the impact of catastrophic fires on industry infrastructure, operations, liability, personnel safety and the environment.

Best Management Practices for Facility Flare Reduction

Dec 2006 Pub #: 2006-0018 47 p. Price:\$ 0

Available: Electronic

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(E) An electronic version may be downloaded from CAPP's public site www.capp.ca. Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.

CAPP Publications Catalogue

(E) This Best Management Practice (BMP) document provides design and operating staff with a recommended approach to identify routine and non-routine flare sources and quantities, and assesses the opportunity for reduction of flare volumes and frequency at their operated facilities. The guidance provided in this BMP can also apply to routine and non-routine venting.

Business Travel First Aid and Medication Guidelines

Dec 2005 Pub #: 2005-0035 12 p. Price:\$ 0

Available: Electronic

(E) These guidelines and the travel kit information are designed for travellers to use when medical assistance is not readily available. The guidelines will assist individuals in putting together their own first aid kit for travel.

Canadian East Coast Offshore Petroleum Industry Safe Lifting Practices

Nov 2007 Pub #: 2007-0001 62 p. Price:\$ 0

Available: Electronic

(E) The Canadian East Coast Offshore Petroleum Industry Safe Lifting Practices Respecting: Offshore Pedestal Cranes, Offshore Containers, Loose Gear, Other Lifting Devices, and Operational Best Practices was developed by a working group with representatives of Industry, the Offshore Petroleum Boards and Certifying Authorities to outline industry "best practices" for operators responsible for the management, planning and execution of offshore lifting operations and to assist in the interpretation of applicable legislation and standards. Considered within the Practice are safe design requirements, manufacture, certification, testing, maintenance and inspection requirements for pedestal cranes, offshore containers, loose gear and lifting devices. Operational best practices for lifting operations and a process for equivalencies are also included.

Canadian Labour Standards - Hours of Work

Feb 2008 Pub #: 2008-0003 32 p. Price:\$ 0

Available: Electronic

(E) The Canadian Labour Standards - Hours of Work Guide is a reference document to the federal and provincial legislation on employees' hours of work in Alberta, British Columbia, Manitoba, Newfoundland, Northwest Territories, Saskatchewan, Yukon and federally regulated work places. The guide provides a listing of the applicable legislation within each jurisdiction and a link to the associated Act, Code or Regulation on the labour ministry's website. The guide also highlights the specific sections within the legislation that are pertinent to hours of work standards.

CAODC/CAPP Master Daywork Contract

May 2001 Pub #: 2004-0005 14 p. Price:\$ 0

Available: Electronic

(E) This Standard Form Contract was developed by CAODC and CAPP (through a working group of Well Construction

people). Key to its development was extensive legal review by the member legal departments. In May 2001, CAPP's Alberta Executive Policy Group agreed to allow the CAODC to affix the CAPP logo on the contract. Appendix A to the contract is in a separate PDF document.

CAODC/CAPP Master Well Service Contract

Nov 2003 Pub #: 2003-0018 21 p. Price:\$ 0

Available: Electronic

(E) Standard For Well Service Contract supported by CAPP and the CAODC in 2003

CAPP Best Management Practices for Natural Gas in Coal (NGC)/Coalbed Methane (CBM)

May 2006 Pub #: 2005-0040 83 pg. Price:\$ 0

Available: Electronic

(E) The need is threefold - (i) CAPP Members are increasingly considering NGC\CBM operations and have requested guidance on preferred methods, risks, and considerations; (ii) Such activity involves increased contact with communities and stakeholders that are lacking understanding and appreciation of NGC operations and this document provides direction encouraging industry operators to work productively with local stakeholders; (iii) Alberta government led, multi-stakeholder process (the MAC) recommended the development of such a document and CAPP took the lead.

Clubroot Disease Management Best Management Practice

July 2008 Pub #: 2008-1030 7 p. Price:\$ 0

Available: Electronic

(E) CAPP is aware of the concerns about clubroot disease in canola and we support management measures. The oil and gas industry recognizes that it is just one player in the management of this crop disease with primary responsibility resting with landowners. CAPP and its industry partners are committed to meeting or the regulations (specifically the Alberta Weed Control Act, Alberta Pest Act, Alberta Clubroot Management Plan, and county/municipality requirements as specified by the agricultural fieldmen). We will continue to work proactively with Alberta Agriculture and Rural Development as the primary regulator for managing and regulating the clubroot problem. See also: n/a

Competency Assessment for Upstream Oil and Gas Pipeline Installation Inspectors

Sep 2009 Pub #: 2009-0005 21 p. Price:\$ 0

Available: Electronic

(E) This Guide to Competency Assessment for Upstream Oil and Gas Pipeline Installation Inspectors (Guide) is intended as a management tool for owners and constructors of pipelines, to ensure installation inspectors employed have the technical knowledge and competence to ensure new installations fully satisfy their requirements and expectations. This document provides guidance for the

(S) Relates to CAPP's Environment, Health and Safety Stewardship program

(E) An electronic version may be downloaded from CAPP's public site www.capp.ca. Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.

assessment and verification of pipeline installation inspector knowledge and competence within the scope of application of the CSA Z662 Code for Oil and Gas Pipeline Systems.

Computer Software License and Maintenance Agreement

Apr 2006 Pub #: 2005-0029 18 p. Price:\$ 0

Available: Electronic

(E) The IT Procurement Standard Form of Software License and Maintenance Agreement is intended to provide a standard boilerplate template to assist oil and gas companies to expedite the acquisition of computer software and associated services such as maintenance, support and subscriptions. The standard agreement was developed and legally vetted by an independent IT Procurement Group comprised of eleven major oil, gas, pipeline and transportation companies. The agreement was approved in November 2005 by the CAPP Fiscal Executive Policy Group (EPG) for distribution as a CAPP best management practice.

Developing Effective Working Relationships with Aboriginal Communities

Jan 2006 Pub #: 2006-0001 13 p. Price:\$ 0

Available: Electronic;Print

(E) Effective working relations support a corporate competitive advantage to operators through more timely access to land and greater involvement with local labour and contractors. This guide addresses the key issues and supporting rationale for oil and gas proponents operating in areas of identified interest to aboriginal communities. Companies strive to manage many risks: economic, legal, safety, operational and those affecting corporate reputation. Understanding the interests of aboriginal communities, along with the development and implementation of corresponding strategies to address their unique concerns, is a key part of responsible risk management. The unique interests and constitutional rights of aboriginal communities support the rationale for industry to develop strong business relationships with communities, relationships based upon trust and respect to achieve common goals.

Drilling an Offshore Well in Atlantic Canada

Aug 2005 Pub #: 2005-0025 4 p. Price:\$ 0

Available: Electronic;Print

(E) This brochure describes the process of drilling an offshore well, focusing on exploration and delineation wells and the drilling equipment used.

Effects of Linear Development on Wildlife: A Review of Selected Scientific Literature

Jan 1998 Pub #: 1998-0002 133 p. Price:\$ 0

Available: Electronic

(E) This report supports the contents of the full report that reviews the scientific literature describing the effects of linear developments on wildlife especially large mammals. Of particular interest are the types of roads and linear

developments created by the oil and pipeline industries in western Canada. This review should be considered a reference to be used when information is required regarding the effects of linear developments on wildlife, it is not meant to be read from cover to cover. In addition, the review should be a starting point for those interested in understanding the effects of linear developments on wildlife.

Effects of Linear Development on Wildlife: A Review of Selected Scientific Literature, bibliography

Jan 1998 Pub #: 1998-0002 233 p. Price:\$ 0

Available: CD;Electronic

(E) This bibliography reviews the scientific literature describing the effects of linear developments on wildlife especially large mammals. Of particular interest are the types of roads and linear developments created by the oil and pipeline industries in western Canada. This review should be considered a reference to be used when information is required regarding the effects of linear developments on wildlife: it is not meant to be read from cover to cover. In addition, the review should be a starting point for those interested in understanding the effects of linear developments on wildlife.

Electrical Installations for Impressed Current Cathodic Protection Systems

Dec 2008 Pub #: 2008-1035 30 p. Price:\$ 0

Available: Electronic

(E) Impressed Current Cathodic Protection systems are a technique for controlling the corrosion of a metal surface by making that surface the cathode of an electrochemical cell. Impressed Current Cathodic Protection systems are in widespread use at thousands of oil and gas surface production facilities, and serve to prevent failure of piping and other facilities which may lead to uncontrolled release of products, resulting in safety hazards and environmental contamination. This guide is intended to help those designing, installing, inspecting, or maintaining impressed current cathodic protection systems meet minimum regulatory requirements; and it also simultaneously benefits worker safety and reliability of the system. It outlines, from an electrical perspective, design and installation criteria related to impressed current cathodic protection systems, including: codes and standards related to cathodic protection work; worker qualification; equipment certification; connection and splicing methods; installations; warning signs; documentation; electrical inspections. Any questions regarding the Guide "Electrical Installations for Impressed Current Cathodic Protection Systems" can be forwarded to Cecil Gordon, EnCana Corporation, cecil.gordon@encana.com, or Tim Driscoll, Shell Canada Limited, tim.driscoll@shell.com. See also: 2009-0019

(S) Relates to CAPP's Environment, Health and Safety Stewardship program

(E) An electronic version may be downloaded from CAPP's public site www.capp.ca. Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.

Emergency Planning and Response in Atlantic Canada

Aug 2005 Pub #: 2005-0021 4 p. Price:\$ 0

Available: Electronic;Print

(E) Industry's approach is first to prevent emergencies from happening and secondly to develop advance response plans to deal quickly and efficiently with any emergency that may arise. The brochure describes prevention and response plans for oil spills as an example. Government must approve such emergency prevention and response plans. This is one in a series of brochures describing activities in Canada's offshore upstream petroleum industry.

Environmental Operating Practice for the Upstream Petroleum Industry - Alberta Operations (CD - all five volumes)

May 1999 Pub #: 1999-0023 5 MB Price:\$ 0

Available: CD

(S) Due to age of this publication, CAPP does not warrant its accuracy; however, it may be useful in a notional sense. It has been a key guidance document for CAPP's Environment, Health and Safety Stewardship Program.<P>This is a comprehensive resource and management tool that can help you quickly determine which regulatory requirements and environmental issues affect your operations. It also provides recommended industry practices and resources for meeting those requirements in four areas - geophysics, drilling, production, pipeline. The set is available electronically on an interactive, searchable CD. See also: 1999-0018; 1999-0019; 1999-0020; 1999-0021; 1999-0022

Environmental Operating Practices for the Upstream Petroleum Industry - Saskatchewan (Drilling)

Nov 2002 Pub #: 2001-0027 216 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies operating in Saskatchewan to identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. The set of five volumes is available electronically on a searchable CD for \$130. See also: DOCS 36407

Environmental Operating Practices for the Upstream Petroleum Industry - Saskatchewan (Operations)

Nov 2002 Pub #: 2001-0027 288 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies operating in Saskatchewan to identify regulatory requirements and environmental issues that affect their operations. The guide also provides

recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. The set of five volumes is available electronically on a searchable CD for \$130. See also: DOCS 36406

Environmental Operating Practices for the Upstream Petroleum Industry - Saskatchewan (Overview)

Nov 2002 Pub #: 2001-0027 106 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies operating in Saskatchewan to identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. The set of five volumes is available electronically on a searchable CD for \$130. See also: DOCS 37148

Environmental Operating Practices for the Upstream Petroleum Industry - Saskatchewan (Pipelines)

Nov 2002 Pub #: 2001-0027 245 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies operating in Saskatchewan to identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. The set of five volumes is available electronically on a searchable CD for \$130. See also: DOCS 36311

Environmental Operating Practices for the Upstream Petroleum Industry - Saskatchewan (Seismic)

Nov 2002 Pub #: 2001-0027 119 Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies operating in Saskatchewan to identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. The set of five volumes is available electronically on a searchable CD for \$130. See also: DOCS 36309

(S) *Relates to CAPP's Environment, Health and Safety Stewardship program*

(E) *An electronic version may be downloaded from CAPP's public site www.capp.ca. Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.*

Environmental Operating Practices Upstream Petroleum Industry - BC Operations (Drilling)

Mar 2003 Pub #: 2002-0016 198 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. Each volume follows a chronological sequence of planning, implementation and follow-up activities. The set of five volumes is available electronically on a searchable CD for \$130. See also: overview volume, geophysics volume, production volume, pipelines volume, AD, SK Operating Practices

Environmental Operating Practices Upstream Petroleum Industry - BC Operations (Geophysics)

Mar 2003 Pub #: 2002-0016 113 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. Each volume follows a chronological sequence of planning, implementation and follow-up activities. The set of five volumes is available electronically on a searchable CD for \$130.

Environmental Operating Practices Upstream Petroleum Industry - BC Operations (Overview)

Mar 2003 Pub #: 2002-0016 95 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. Each volume follows a chronological sequence of planning, implementation and follow-up activities. The set of five volumes is available electronically on a searchable CD for \$130. See also: Drilling volume, Pipelines Volume, Geophysics Volume, Production volume, AB, SK

Environmental Operations

Environmental Operating Practices Upstream Petroleum Industry - BC Operations (Pipelines)

Mar 2003 Pub #: 2002-0016 220 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. Each volume follows a chronological sequence of planning, implementation and follow-up activities. The set of five volumes is available electronically on a searchable CD for \$130. See also: overview volume, drilling volume, production volume, geophysics volume, AB, SK Operating Practices

Environmental Operating Practices Upstream Petroleum Industry - BC Operations (Production)

Mar 2003 Pub #: 2002-0016 262 p. Price:\$ 130

Available: CD;Electronic

(E) (S) This comprehensive resource and management tool will help member companies identify regulatory requirements and environmental issues that affect their operations. The guide also provides recommended industry practices and resources for meeting those requirements. This publication is one of the core documents of CAPP's Stewardship program, launched in 1999. The five volume set is comprised of the following: overview and resources, geophysics, drilling, production and pipeline. Each volume follows a chronological sequence of planning, implementation and follow-up activities. The set of five volumes is available electronically on a searchable CD for \$130. See also: overview volume, drilling volume, pipelines volume, geophysics volume, AB, SK Operating Practices

EUB Guide 50 Application Electronic Submission Software

Feb 2006 Pub #: 2006-0003 n/a Price:\$ 0

Available: CD;Electronic

(E) Software application for database management and submission of application data on drilling mud systems to the Alberta Energy and Utilities Board. Available on CD.

Flammable Environments Guideline

Dec 2004 Pub #: 2004-0016 19 p Price:\$ 0

Available: Electronic

(E) This document is a guide for CAPP members who are planning and supervising work where there is a need to minimize the hazards of a flammable environment. The content of this guide: Identifies regulatory

(S) *Relates to CAPP's Environment, Health and Safety Stewardship program*

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requirements applicable in a flammable environment.

Describes a process flowchart for determining action in a (possible) flammable work area.

Raises awareness of associated hazards, which may minimize possible flammable exposure risks to workers and processes.

Outlines a risk-based approach to ensure that all CAPP member worksites that have a potential of generating a flammable environment are identified and appropriate controls are implemented.

Provides on-site work sheet tool (Appendix A) that can be copied and used as documentation forms to assess a worksite task for potential flammable exposure and identify appropriate controls.

Fuel Gas BMP - Efficient Use of Fuel Gas in Gathering Systems (Module 1)

may2008 Pub #: 2008-1011 20pg Price:\$ 0

Available: Electronic

(E) The intent of this module is to provide guidance to operating staff to identify opportunities where energy consumption associated with operating gathering systems can be reduced.

Fuel Gas Efficiency BMP - Efficient Use of Fuel Gas in Chemical Injection Pumps (Module 5)

May2008 Pub #: 2008-1015 31pg Price:\$ 0

Available: Electronic

(E) Chemical injection pumps (CIPs) are used throughout the oil and gas industry. Their primary purpose is to inject relatively small amounts of chemicals into process streams to enable the production and processing of petroleum products. CIPs are used to inject de-emulsifiers, solvents, de-salting agents, corrosion inhibitors, biocides, clarifiers, scale inhibitors, hydrate inhibitors, paraffin dewaxers, surfactants, oxygen scavengers, and H₂S scavengers into the oil or gas pipeline. In Canada the injection of methanol into the natural gas process to reduce or eliminate hydrates (freezing), which can cause blockage in the pipeline, is also a major application of CIPs.

Fuel Gas Efficiency BMP - Efficient Use of Fuel Gas in Compressors (Module 8)

May2008 Pub #: 2008-1018 36pg Price:\$ 0

Available: Electronic

(E) This module provides guidance for operating staff to improve compressor efficiency and recognize when fuel consumption is higher than the minimum achievable. The determination of fuel gas efficiency is made by prescribed calculations that yield the efficiency of the compressor based upon the fuel input and power required for the application. This module focuses on the application of efficiency calculations based on engine loads.

Fuel Gas Efficiency BMP - Efficient Use of Fuel Gas in Desiccant Dehydration (Module 10)

May2008 Pub #: 2008-1020 13pg Price:\$ 0

Available: Electronic

(E) This best management practice is intended to apply to the operation of desiccant dehydrators at fields and plants in the upstream oil and gas industry (UOG). Desiccants employed in such systems include silica gel, activated alumina and molecular sieves. Desiccant dehydrators operate in a cyclic manner alternating between drying and regeneration. The energy necessary to desorb water from the desiccant is typically supplied by a fired salt bath heater that is used to heat the regeneration gas flow. Energy consumption is therefore impacted by both the operation of the desiccant system and operation of the salt bath heater. This module is confined to the optimization of the desiccant system.

Fuel Gas Efficiency BMP - Efficient Use of Fuel Gas in Engines (Module 7)

May2008 Pub #: 2008-1017 76pg Price:\$ 0

Available: Electronic

(E) This module provides guidance for operating staff to recognize when fuel consumption is higher than the minimum achievable for a specific application. The determination of fuel gas efficiency is made by prescribed calculations that yield the efficiency of the engine based upon the fuel input and power required for the application.

Fuel Gas Efficiency BMP - Efficient Use of Fuel Gas in Fire Heaters (Module 6)

May2008 Pub #: 2008-1016 48pg Price:\$ 0

Available: Electronic

(E) This Best Management Practice provides guidance for operating staff to identify ways to improve the thermal efficiency of fired heaters at upstream oil and gas facilities. The determination of fuel gas efficiency is made by prescribed tests and calculations that yield the thermal efficiency of the heater based upon the fuel input and stack gas losses. This measure of performance has the advantages of being well understood, easy to calculate and within the capability of inexpensive combustion gas analyzers.

Fuel Gas Efficiency BMP - Efficient Use of Fuel Gas in Flaring Operations (Module 4)

May2008 Pub #: 2008-1014 22pg Price:\$ 0

Available: Electronic

(E) This module provides guidance to operating staff to identify opportunities where gas consumption associated with flaring operations can safely be reduced. The determination of fuel gas efficiency in flaring is made by understanding the sources of fuel gas use and making periodic assessments of performance and comparing those with possible performance improvements.

(S) Relates to CAPP's Environment, Health and Safety Stewardship program

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Fuel Gas Efficiency BMP - Efficient Use of Fuel Gas in Fractionation (Module 12)

May2008 Pub #: 2008-1022 51pg Price:\$ 0

Available: Electronic

(E) This module focuses on fractionation columns and units. The overwhelming majority of fractionation undertaken by CAPP members is in the area of natural gas liquid (NGL) separation. This will range from de-ethanizers, which remove sales gas from NGL components to stabilizers, which remove NGL from heavier C5+ condensate. Plants will have either single columns, or multiple towers where the individual NGL components are successively removed, leaving a series of products.

Fuel Gas Efficiency BMP - Efficient Use of Fuel Gas in Glycol Dehydrators (Module 9)

May2008 Pub #: 2008-1019 31pg Price:\$ 0

Available: Electronic

(E) This module provides guidance for operating staff to identify reasons for lower than achievable operational efficiency of glycol dehydrators. The determination of operational efficiency is generally not readily apparent but is achieved by insuring that each fuel using component is operating optimally.

Fuel Gas Efficiency BMP - Efficient Use of Fuel Gas in Pneumatic Instruments (Module 3)

May2008 Pub #: 2008-1013 34pg Price:\$ 0

Available: Electronic

(E) Pneumatic instruments of all types are used throughout the oil and gas industry to perform the necessary functions which enable the production, processing, transfer and refining of petroleum products. Instrumentation is used to take measurements and control processes typically by sending a signal to a valve to adjust its position based on changes in the process conditions. Controllers can be used to control the process based on pressure, temperature, flow or liquid level. Because of the simplicity and reliability of pneumatic instrumentation as well as the lack of available electricity in many locations, pneumatic instrumentation has become the standard in the industry.

Fuel Gas Efficiency BMP - Efficient Use of Fuel Gas in Pumpjacks (Module 2)

may2008 Pub #: 2008-1012 19pg Price:\$ 0

Available: Electronic

(E) This module provides guidance for operating staff to identify and provide solutions for pumpjacks with lower than achievable efficiency. The determination of fuel gas efficiency of the pumpjack is calculated by dividing the useful power which goes into pumping the oil by the total input power of the system. The calculated difference between the two is the energy losses of the system.

Fuel Gas Efficiency BMP - Efficient Use of Fuel Gas in Refrigeration (Module 13)

May2008 Pub #: 2008-1023 58pg Price:\$ 0

Available: Electronic

(E) This module focuses on refrigeration units from the perspective of both the process and the refrigerant sides. They are intimately linked and need to be considered in tandem in order to achieve the best results.

Fuel Gas Efficiency BMP - Efficient Use of Fuel Gas in Sulphur Recovery Units (Module 15)

May2008 Pub #: 2008-1025 20pg Price:\$ 0

Available: Electronic

(E) This module is intended to apply to the operation of sulphur recovery units (SRUs) in the upstream oil and gas industry (UOG). In Canada, there are a limited number of UOG facilities which employ sulphur recovery units, however, it has been estimated that of the fuel gas consumed in the UOG for sweet and sour gas operations in plants and the field, SRUs in plants consume 21%.

Fuel Gas Efficiency BMP - Efficient Use of Fuel Gas in Tail Gas Incinerators (Module 16)

May2008 Pub #: 2008-1026 13pg Price:\$ 0

Available: Electronic

(E) This module is intended to apply to the operation of tail gas incinerators at sour gas plants in the upstream oil and gas industry (UOG). However, it could be applied to any sulphur recovery unit tail gas incinerator such as those used at bitumen upgraders. In Canada, there are a limited number of sour gas plants, however, these plants tend to be large and are energy intensive with the result that they consume about 20% of all the fuel gas used in the UOG. Tail gas incinerators are a major consumer of energy within a sour gas plant, typically consuming 25% of the total fuel gas used.

Fuel Gas Efficiency BMP - Efficient Use of Fuel in Amine (Module 14)

May2008 Pub #: 2008-1024 22pg Price:\$ 0

Available: Electronic

(E) This module provides guidance for operating staff to identify reasons for lower than achievable operational efficiency of amine absorbers. The determination of operational efficiency is generally not readily apparent but is achieved by insuring that the system as a whole and each fuel using component is operating optimally.

Fuel Gas Efficiency BMP - Efficient Use of Gas in Acid Gas Injection (Module 17)

May2008 Pub #: 2008-1027 14pg Price:\$ 0

Available: Electronic

(E) This module provides guidance for operating staff to identify opportunities where fuel gas consumption associated

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with acid gas injection operations can safely be reduced. The determination of fuel gas efficiency in acid gas injection is made by: understanding the sources of fuel gas use, making periodic assessments of performance and identifying performance improvements.

Fuel Gas Efficiency BMP - Fuel Gas Measurement and Reporting (Module 11)

May2008 Pub #: 2008-1021 17pg Price:\$ 0

Available: Electronic

(E) In Alberta, operators have specific obligations under the Oil and Gas Conservation Regulations and ERCB Directives to measure and report fuel gas consumption associated with their operations. The ERCB expects all industry participants to understand its requirements and have an infrastructure in place to ensure compliance.

Fuel Gas Efficiency BMP - Introduction and Overview (Module 00)

May2008 Pub #: 2008-1010 9pg Price:\$ 0

Available: Electronic

(E) In order to further examine this issue and explore ways, other than by regulation, to encourage industry to become more efficient in fuel gas usage, a government/industry working committee was established in April 2006. Currently, fuel gas optimization by industry is not a regulatory or legislative requirement. While there is a strong interest by regulators in Alberta in improving efficiencies, doing so without additional regulation is the preferred approach, provided it is successful. These BMPs are a first step to assist industry in identifying and implementing opportunities for greater fuel gas efficiencies. The success of this initiative will determine whether industry can proactively use these BMPs to improve efficiencies or whether regulatory initiatives are necessary.

Geophysical Exploration Practices

Dec 2004 Pub #: 2004-0024 4 p. Price:\$ 0

Available: Electronic

(E) Substantial changes have occurred in geophysical exploration practices in the last few years. The environmental impact of the industry has shown some remarkable improvements over the last few years with average seismic line widths falling by 50%. In many cases, these changes have been enabled by cutting edge technologies. This brief glossary outlines some of the more common practices and the different types of equipment used by the rapidly changing geophysical industry.

Geophysical Vehicle Pipeline Crossing Approval Process

Sept2007 Pub #: 2007-0014 14 p. Price:\$ 0

Available: Electronic

(E) This Guide to Geophysical Vehicle Pipeline Crossing Approval Process contains standardized guidance and forms for approving pipeline crossings of geophysical vehicles. It also recommends expedited approvals for: wheeled

vehicles with a gross weight of 4,000 kg (8,800 lb.) or less, and tracked vehicles with a gross weight of 7,250 kg (16,000 lb.) or less. <P>This Guide supplements the two government regulations governing pipeline crossings during geophysical exploration activities, including the Alberta Energy and Utilities Board Pipeline Act and Regulation (Part 5, Section 66) and the Alberta Exploration Regulation 284/2006 (Section 43).

Guide for the Selection and Use of Flame Resistant Workwear

May2008 Pub #: 2008-0007 21 pg Price:\$ 0

Available: Electronic

(E) This document is intended to provide guidance for the selection, use and care of flame resistant workwear (FRW) for protection against exposure of individuals to a hydrocarbon flash fire. Each organization must make its own decisions about the degree of protection they require and type of FRW that meets their needs. The guidance provided in this document will help CAPP member companies and other users to make these decisions. The actual period for which protective workwear can offer protection against the flame, varies with the intensity of the flash fire, the fit of the garment and the capabilities of the wearer. For a particular garment this period of protection may vary considerably from one wearer to another. For purposes of this guide, the recommendations included within are for worker protection against a hydrocarbon flash fire of duration of three seconds or less. It is important for users of FRW to acquire a basic knowledge of flash fire hazards and the clothing offering levels of worker protection. Flame resistant workwear comes in many forms with different material components, weights and styles. Depending on these factors, as well as the potential flash fire hazard and capabilities of wearer, each brand of FRW provides different levels of protection. See also: Stewardship

Guide to Waste Management in the NWT

Dec 2009 Pub #: 2009-0027 95 p. Price:\$ 0

Available: Electronic

(E) Effective waste management is an important issue related to industrial development in the NWT. The scope of this Guide to Oilfield Waste Management in the Northwest Territories is to: <P>Outline northern considerations related to waste management.Summarize regulations impacting oil and natural gas industry waste in the Northwest Territories (NWT).Document oil and natural gas industry waste processing capacity available in the NWT or the closest capacity.Recommend best management practices for the NWT.
\r\nThis Guide is focused on onshore wastes and does not address offshore waste management issues.

Hydrostatic Test Water Management Guidelines

Sep 1996 Pub #: 1996-0014 120 p. Price:\$ 0

Available: Electronic

(S) *Relates to CAPP's Environment, Health and Safety Stewardship program*

(E) *An electronic version may be downloaded from CAPP's public site www.capp.ca. Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.*

(E) This guide provides CAPP members with a summary of the environmental concerns associated with hydrostatic testing. Instructions to minimize the risk of environment impacts and an overview of the environmental regulatory requirements associated with hydrostatic testing in areas of Canada in which member companies are active.

Impressed Current Cathodic Protection Rectifier Design-for-Safety Guideline

Oct 2009 Pub #: 2009-0019 69 p. Price:\$ 0

Available: Electronic

(E) Impressed current cathodic protection systems are a technique for controlling the corrosion of a metal surface by making that surface the cathode of an electrochemical cell. Impressed current cathodic protection systems are in widespread use at thousands of oil and gas surface production facilities, and serve to prevent failure of piping and other facilities which may lead to uncontrolled release of products, resulting in safety hazards to workers and the public, and environmental contamination. Cathodic protection rectifiers are used to convert AC current to DC current in order to supply impressed DC current to the protected facilities. The interiors of these rectifiers contain numerous energized electrical components; and for a cathodic protection worker, the interiors of these rectifiers pose the highest risk of electric shock hazard in the cathodic protection system. Tragically, a cathodic protection worker was electrocuted in 2004 as a result of accidentally contacting energized components inside of a cathodic protection rectifier. It is the intent of the joint industry committee which has compiled this guideline that the designs of these cathodic protection rectifiers be made as safe as practical, and that new rectifiers available on the market incorporate these safety features as much as possible for the benefit of the protection of the personnel who must operate and maintain this equipment. Over the last several decades there have been numerous manufacturers supplying the market, models, and variations in the design of these rectifiers; and many of these units are still in service in the oil and gas industry. It is not the intent of this guideline to address these existing installations; however, cathodic protection system owners and operators are advised that these existing installations may need to be periodically reviewed for safety risks, and modifications and/or replacement may be necessary in some cases. If replacement is desirable, then this guideline will be useful in helping to specify a replacement rectifier. This guideline contains the following information: A glossary of cathodic protection terms; Codes and standards related to cathodic protection rectifiers; Equipment certification requirements; Worker qualifications for cathodic protection system operation and maintenance and their bearing on cathodic protection rectifier designs; A basic description of how cathodic protection systems work and the main components of cathodic protection rectifiers (some essential information to help the user interpret and apply the recommendations found in this guideline); A gap analysis identifying safety risks and potential mitigation approaches; A description of the recommended safety

features and example rectifier designs incorporating those features; A template purchasing specification to be used for specifying cathodic protection rectifiers with increased safety; features See also: 2008-1035

Mitigation of External Corrosion on Buried Pipeline Systems

Jun 2009 Pub #: 2009-0011 27 p. Price:\$ 0

Available: Electronic

(E) This document addresses the design, maintenance and operating considerations for the mitigation of external corrosion on buried pipelines constructed with carbon steel materials. Corrosion is a dominant contributing factor to failures and leaks in pipelines. To deal with this issue, the CAPP Pipeline Technical Committee has developed industry recommended practices to improve and maintain the mechanical integrity of upstream pipelines. They are intended to assist upstream oil and gas producers in recognizing the conditions that contribute to pipeline corrosion incidents, and identify effective measures that can be taken to reduce the likelihood of corrosion incidents. See also: 2009-0010, 2009-0012, 2009-0013, 2009-0014

Mitigation of Internal Corrosion in Oil Effluent Pipeline Systems

Jun 2009 Pub #: 2009-0012 27 p. Price:\$ 0

Available: Electronic

(E) This document addresses design, maintenance and operating considerations for the mitigation of internal corrosion in oil effluent pipeline systems. Corrosion is a dominant contributing factor to failures and leaks in pipelines. To deal with this issue, the CAPP Pipeline Technical Committee has developed industry recommended practices to improve and maintain the mechanical integrity of upstream pipelines. They are intended to assist upstream oil and gas producers in recognizing the conditions that contribute to pipeline corrosion incidents, and identify effective measures that can be taken to reduce the likelihood of corrosion incidents. See also: 2009-0010, 2009-0011, 2009-0013, 2009-0014

Mitigation of Internal Corrosion in Oilfield Water Pipelines

Jun 2009 Pub #: 2009-0010 28 p. Price:\$ 0

Available: Electronic

(E) This documents addresses design, maintenance, and operating considerations for the mitigation of internal corrosion in oilfield water handling systems. Corrosion is a dominant contributing factor to failures and leaks in pipelines. To deal with this issue, the CAPP Pipeline Technical Committee has developed industry recommended practices to improve and maintain the mechanical integrity of upstream pipelines. They are intended to assist upstream oil and gas producers in recognizing the conditions that contribute to pipeline corrosion incidents, and identify effective measures that can be taken to reduce the likelihood of corrosion incidents. See also: 2009-0011, 2009-0012,

(S) *Relates to CAPP's Environment, Health and Safety Stewardship program*

(E) *An electronic version may be downloaded from CAPP's public site www.capp.ca. Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.*

2009-0013, 2009-0014

Mitigation of Internal Corrosion in Sour Gas Gathering Systems

Jun 2009 Pub #: 2009-0013 34 p. Price:\$ 0

Available: Electronic

(E) This recommended practice addresses design, maintenance and operating considerations for the mitigation of internal corrosion in sour gas gathering systems constructed with carbon steel materials. Corrosion is the dominant contributing factor to failures and leaks in pipelines in the province of Alberta. To deal with this issue, the CAPP Pipeline Technical Committee has developed industry recommended practices to improve and maintain the mechanical integrity of upstream pipelines. They are intended to assist upstream oil and gas producers in recognizing the conditions that contribute to pipeline corrosion failures, and identify effective measures that can be taken to reduce the likelihood of corrosion failures. See also: 2009-0010, 2009-0011, 2009-0012, 2009-0014

Mitigation of Internal Corrosion in Sweet Gas Gathering Systems

Jun 2009 Pub #: 2009-0014 26 p. Price:\$ 0

Available: Electronic

(E) This document addresses design, maintenance and operating considerations for the mitigation of internal corrosion in sweet gas gathering systems. Corrosion is a dominant contributing factor to failures and leaks in pipelines. To deal with this issue, the CAPP Pipeline Technical Committee has developed industry recommended practices to improve and maintain the mechanical integrity of upstream pipelines. They are intended to assist upstream oil and gas producers in recognizing the conditions that contribute to pipeline corrosion incidents, and identify effective measures that can be taken to reduce the likelihood of corrosion incidents. See also: 2009-0010, 2009-0011, 2009-0012, 2009-0013

Oil Mist Monitoring Protocol

Dec 2004 Pub #: 2005-0010 Price:\$ 0

Available: Electronic

(E) Occupational exposure to oil mist is a common occurrence during oil well drilling operations involving the use of invert mud. In addition, exposure to oil mist may occur during the production and refining of crude oil. Exposure to lubricating oil mist may also occur in locations where pumps and compressors are operating. Oil mist spray poses occupational health and fire safety concerns, and suitable sampling methods are required to assess and adequately control these hazards effectively. Objectives The following project was undertaken in an effort to: Outline the current difficulties in oil mist sample collection, analysis and interpretation. Recommend an air sample collection and analytical method(s) for use by the petroleum industry for the evaluation of worker exposure to oil mist and fire

safety risk of this contaminant. Outline the limitations of the sample collection and analytical method(s) recommended for evaluation of worker exposure to oil mist. Discuss how the results of the sampling can be interpreted with respect to both occupational health and fire safety regulatory requirements. Present a list of qualified laboratories that can analyze for oil mist in accordance with the recommended method(s).

Overview: Land Use in Canada's Oil Sands

Sept 2009 Pub #: 2009-0026 2 p. Price:\$ 0

Available: Electronic

(E) While there is clearly an impact from development, industry is committed to mitigating our impact on the land while maintaining regional ecosystems and biodiversity. Oil sands operators are required to develop a reclamation plan for returning the land to a sustainable landscape before any work begins. Ongoing reclamation research is generating continual improvements to reclamation practices.

Pipeline Associated Watercourse Crossings, 3rd Edition

Oct 2005 Pub #: 2005-0038 202 p. Price:\$ 0

Available: CD;Electronic

(E) This Guide is a reference document for both industry and Fisheries and Oceans departments in various regions. Based on recently developed DFO Riskmanagement Framework, the document is a compilation of modern planning considerations, "best practices" pipeline and vehicle watercourse crossing construction techniques, and available environmental protection methods to meet Provincial and Territorial regulatory requirements and minimize associated fisheries habitat impact. The document outlines the present regulatory framework under which pipeline associated watercourse crossings are assessed and constructed in Canada. In addition, it suggests measures to assist pipeline companies, governing agencies and contractors during the planning, construction, operation and maintenance of pipeline associated watercourse crossings. The development promotes a consistent approach to pipeline associated watercourse crossings throughout Canada and will aid in developing a common understanding among industry, government and other stakeholders.

Planning Horizontal Directional Drilling for Pipeline Construction

Sept 2004 Pub #: 2004-0022 Price:\$ 0

Available: Electronic

(E) Horizontal Directionally Drilling (HDD) has proven itself over the last few years to be a very effective technique for the installation of pipelines and other utilities in sensitive or congested areas. This document provides guidance on the regulatory, environmental, geotechnical, risk, economics, engineering, contractual and construction considerations that must be evaluated prior to any final decisions to proceed with an HDD installation. The purpose of this document is to assist pipeline companies, contractors and regulators in planning, evaluating and constructing HDD crossings.

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Responsible Recreational Land Use in Alberta's Backcountry

Oct 2004 Pub #: 2004-0017 2 p. Price:\$ 0

Available: Electronic;Print

(E) (S) AB StreamWatch is a multi-stakeholder group operating in Alberta's north-east slope regions. The group was founded by Trout Unlimited, local Department of Sustainable Resource Development (SRD) field officers and a number of CAPP members to support responsible public access in the eastern slopes. This publication is as an educational tool intended for oil field workers to illustrate that the responsible use and stewardship of Alberta's natural heritage is everyone's responsibility.

Road Use Agreement Guide

Jan 2001 Pub #: 2001-0020 10 p. Price:\$ 0

Available: Electronic

(E) Provides principles and guidelines for developing fair road use agreements within and across industries.

Seismic Surveys: The Search for Oil and Gas in Offshore Atlantic Canada

Aug 2005 Pub #: 2005-0023 4 p. Price:\$ 0

Available: Electronic;Print

(E) This brochure describes how marine seismic surveys are carried out on the East Coast of Canada and explains how the data is used to find oil and gas in deep geological formations offshore.

Sulphur Technical Data Sheet

Dec 1990 Pub #: 1990-0014 127 p. Price:\$ 0

Available: Electronic

(E) Brings together much of the information required to prepare a Material Safety Data Sheet (MSDS) for Commercially Formed Solid Elemental Sulphur, such as that produced in Western Canada and exported through marine terminals. The format follows that of the required sections of the WHMIS specified MSDS but the material is not to be regarded as representing a generic type of MSDS. Appendices include excerpts from Dangerous Goods Regulations, and various papers on the safety aspects of sulphur.

Supplementary Metric Practice Guide for the Petroleum and Natural Gas Industry and Services - 5th Edition

Jan 1989 Pub #: 1989-0017 81 p. Price:\$ 0

Available: Electronic

(E) Condensed version of the International System of Units (SI) and its proper usage in Canada, with recommended units for use in specialized applications of the petroleum industry in relation to exploration, production, gas processing, and pipelines and other fields pertinent to the petroleum industry, such as pipe sizes. Provides conversion factors for all specialized units, and the values for commonly

used constants. Appendices include "Metric Transition of Marketing/Custody Transfer of Natural Gas, Light Hydrocarbons, Crude Oil, and Refined Petroleum Products" originally published in 1979.

Surface Abandonment and Reclamation in Alberta

Dec 1994 Pub #: 1994-0026 2 p. Price:\$ 0

Available: Electronic

(E) Brochure describing requirements of Alberta oil and gas producers in restoring a lease to the equivalent of surrounding areas, and procedures for abandoning wells and reclaiming drillsites, stressing CAPP's efforts to ensure that the reclamation process is fair and equitable to landowners.

The Life Cycle of Pipeline Watercourse Crossings in Canada: Questions and Answers

Oct 2009 Pub #: 2009-0039 40 p. Price:\$ 0

Available: Electronic

(E) Watercourse crossings are common along Canadian pipeline routes. These particular locations merit focus because of the associated environmental sensitivities, multiple legislative considerations and complex design and installation activities. This guide, prepared by the Canadian Pipeline Environment Committee (CPEC), is intended to increase awareness and understanding among industry and government about the various considerations when planning, constructing and operating a pipeline at a watercourse crossing (excluding offshore pipelines). CPEC is a multi-stakeholder group of industry and government representatives with an interest in sound environmental management of pipelines in Canada.

The Pipeline Industry and the Migratory Birds Convention Act

Jan 2004 Pub #: 2004-0025 20 p. Price:\$ 0

Available: Electronic

(E) Many activities carried out by Canadian pipeline companies can affect migratory birds and their habitat. Canada's Migratory Birds Convention Act is legislation dedicated to conserving and protecting migratory birds and bird habitat. This backgrounder, published by the Canadian Pipeline Environment Committee (CPEC), raises awareness of the Act and suggests ways in which pipeline companies can manage their activities to meet or surpass the legislation. CPEC is a multi-stakeholder group of industry, government and public representatives with an interest in sound environmental management of pipelines in Canada.

Thermal Well Casing Failure Risk Assessment

Aug 1992 Pub #: 1992-0017 181 p. Price:\$ 0

Available: Electronic

(E) Assessment implemented to understand the nature, impacts and risks of casing failures in thermal oil sands operations so that the appropriate strategies can be implemented to protect the environment in a cost effective

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manner. A Thermal Well Casing Data Base was created to gather data on failed well designs and operating practices for the 10 participating companies. The report provides recommendations based on an analysis of the data, and gives detailed descriptions of each operating area and its major groundwater resources. Tables and graphs highlight the key information gathered from the database.

Transportation of Oil and Gas from the Atlantic Offshore to Market

Aug 2005 Pub #: 2005-0024 4 p. Price:\$ 0

Available: Electronic;Print

(E) This publication describes the two major forms of hydrocarbon transportation from East Coast offshore facilities: oil shuttle tankers and natural gas pipelines. Both forms of transport are designed to withstand the rugged marine environment. Operators put in place a wide range of precautionary measures to ensure human safety and the environment are protected

Use of Reinforced Composite Pipe (Non-Metallic Pipelines)

Nov 2009 Pub #: 2009-0009 64 p. Price:\$ 0

Available: Electronic

(E) The Best Management Practice for Use of Reinforced Composite Pipe (Non-Metallic Pipelines) is meant to provide increased awareness among designers, installers and users of non-metallic reinforced composite pipeline systems of some industry practices and lessons learned regarding reinforced composite pipelines as used by the upstream oil and gas industry. The document highlights differences between conventional steel pipe and reinforced composite pipe; lessons learned and recommended best practices as gathered from Canadian industry experiences; and provides guidance for designers, installers, and users who may have limited experience with reinforced composite pipelines.

Use of Water - Alberta's Upstream Oil and Gas Industry

Mar 2002 Pub #: 2002-0005 52 p. Price:\$ 0

Available: Electronic;Print

(E) Analysis in this report identifies public concerns regarding water use, reviews legislation as it applies to the oil and gas industry and provides statistical and technical data relative to the industry's use of water in Alberta.

Waste Profile Sheets

Sept 2009 Pub #: 2009-0028 Price:\$ 0

Available: Electronic

(E) The Waste Profile Sheets contained in the guide have been prepared to assist upstream petroleum industry operations with the classification and handling of common industry wastes for British Columbia, Alberta, Saskatchewan and Northwest Territories. In particular, the Sheet's information satisfy the requirements of the BC Occupational and Safety Regulation Section 5.78. Each Waste Information Sheet has been divided into four sections: General

Information, Hazard Information, Management Methods, and Transportation.

Natural Gas

Outlook for the Natural Gas Industry in Atlantic Canada

Aug 2005 Pub #: 2005-0020 4 p. Price:\$ 0

Available: Electronic;Print

(E) This four-page brochure outlines the natural gas industry's position in Atlantic Canada, location, dynamics, challenges, includes maps and graphs.

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Northern Canada

Beaufort Regional Environmental Reports Summary

Dec 2009 Pub #: 2009-0032 50 p. Price:\$ 0

Available: Electronic

(E) Numerous reports focusing on offshore oil and gas development in the Beaufort were produced in the 1980s and 1990s, during the initial wave of offshore exploration. Many of these reports were difficult to locate and not available in electronic format. Further, there were concerns that many of the lessons learned from those studies were being lost. This report 1) Describes how to access these reports through the ASTIC database; 2) Provides a brief overview of historical Beaufort activity and regional studies conducted; 3) Summarizes key regional studies and reviews key findings from them.

Guide to Waste Management in the NWT

Dec 2009 Pub #: 2009-0027 95 p. Price:\$ 0

Available: Electronic

(E) Effective waste management is an important issue related to industrial development in the NWT. The scope of this Guide to Oilfield Waste Management in the Northwest Territories is to: <P>Outline northern considerations related to waste management.Summarize regulations impacting oil and natural gas industry waste in the Northwest Territories (NWT).Document oil and natural gas industry waste processing capacity available in the NWT or the closest capacity.Recommend best management practices for the NWT.
\r\nThis Guide is focused on onshore wastes and does not address offshore waste management issues.

The Hunt for Oil and Gas

July 2002 Pub #: 2002-0006 24 min Price:\$ 0

Available: DVD;VHS

With the recent re-emergence of the oil and gas industry in the North, it has become evident that there is often a lack of basic understanding about oil and gas development with some misconceptions based on past industry activity. This video covers the entire spectrum of oil and gas development in Northern Canada in a broad, non-political, educational way. It is designed to be multi-purpose for use in high schools and in community consultation as a tool for dialogue. (Available in VHS and DVD formats).

Policy & Regulatory

Benzene Emission Reductions by the Upstream Petroleum Industry

Sep 2003 Pub #: 2003-0011 2 p. Price:\$ 0

Available: Electronic;Print

(E) This document provides background information on Benzene emissions in the oil and gas industry and what industry is doing to regulate and reduce emissions. See also: 2003-0005, 2000-0035, 1999-0008

Best Management Practice for Fugitive Emissions Management

Jan 2007 Pub #: 2007-0003 59 p. Price:\$ 0

Available: Electronic

(E) The aim of this Best Management Practices document is to assist the upstream oil and gas industry to meet the requirements under section 8.7 of AEUB Directive 060 and to cost effectively manage the most likely sources of significant emissions.

Calculating Greenhouse Gas Emissions

Apr 2003 Pub #: 2003-0003 60 p. Price:\$ 0

Available: Electronic

(E) This Guide provides CAPP members with a standardising approach to benchmarking and estimating greenhouse gas emissions. The components identified in this Guide will allow CAPP member companies to better understand the information that needs to be provided that will result in the Action Plan being seen as a high-quality, comprehensive document, yet provide the flexibility to establish a company-specific report. Establishing a comprehensive corporate greenhouse gas inventory is the first step in developing a Greenhouse Gas Strategy and an Action Plan for submission to the VCR (Voluntary Challenge Registry).

CAPP Best Management Practices for Natural Gas in Coal (NGC)/Coalbed Methane (CBM)

may 2006 Pub #: 2005-0040 83 pg. Price:\$ 0

Available: Electronic

(E) The need is threefold - (i) CAPP Members are increasingly considering NGC\CBM operations and have requested guidance on preferred methods, risks, and considerations; (ii) Such activity involves increased contact with communities and stakeholders that are lacking understanding and appreciation of NGC operations and this document provides direction encouraging industry operators to work productively with local stakeholders; (iii) Alberta government led, multi-stakeholder process (the MAC) recommended the development of such a document and CAPP took the lead.

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Control of Benzene Emissions from Glycol Dehydrators

Jun 2006 Pub #: 2006-0011 80 p. Price:\$ 0

Available: Electronic

(E) The Canadian upstream oil and gas industry is committed to minimizing health risks related to benzene emissions from glycol dehydrator operations through a continued reduction program. To further encourage emissions reductions, the Alberta Energy and Utilities Board and Alberta Environment have jointly issued Directive 039 effective July 1, 2006. Licensees must comply with the new requirements by July 1, 2007. The CAPP Best Management Practice (BMP) provides the tools necessary to be in compliance with the new requirements. <P>Appendix C of the CAPP BMP, Dehydrator Benzene Inventory List, can be downloaded as an Excel file.

Dehydrator Benzene Inventory List (Form)

Jun 2006 Pub #: 2006-0011 2 p. Price:\$ 0

Available: Electronic

(E) The Canadian upstream oil and gas industry is committed to minimizing health risks related to benzene emissions from glycol dehydrator operations through a continued reduction program. To further encourage emissions reductions, the Alberta Energy and Utilities Board and Alberta Environment have jointly issued Directive 039 effective July 1, 2006. Licensees must comply with the new requirements by July 1, 2007. The CAPP BMP provides the tools necessary to be in compliance with the new requirements.

National Pollutant Release Inventory VOC Speciation Calculator

Jan 2005 Pub #: 2005-0002 Price:\$ 0

Available: Electronic

(E) Under the NPRI reporting requirements, estimates of emissions of individual VOCs (volatile organic compounds), speciated from mixtures, are required in order to mathematically represent their dispersion and reaction in regional air quality modeling of the formation of ground level ozone and PM. The Excel spreadsheet will apply profiles and estimate the speciated emissions on a consistent basis. See also: 2005-0001

NPRI Guide - A Recommended Approach to Completing the National Pollutant Release Inventory for the Upstream Oil and Gas Industry

Mar 2007 Pub #: 2007-0009 146 p. Price:\$ 0

Available: Electronic

(E) This Guide is a recommended approach to completing the National Pollutant Release Inventory (NPRI) for the upstream oil and gas industry. The guide will assist companies in meeting the reporting requirements of the NPRI. Two related Excel documents are also provided:
Spill releases to air calculatorVOC Speciation Calculator

NPRI Guide - CAPP VOC Speciation Calculator

Mar 2007 Pub #: 2007-0009 3 p. Price:\$ 0

Available: Electronic

(E) The NPRI Guide is a recommended approach to completing the National Pollutant Release Inventory (NPRI) for the upstream oil and gas industry. The guide will assist companies in meeting the reporting requirements of the NPRI. The VOC Speciation Calculator is provided in Excel format.

NPRI Guide - Spill releases to Air Calculator

Mar 2007 Pub #: 2007-0009 3 p. Price:\$ 0

Available: Electronic

(E) The NPRI Guide is a recommended approach to completing the National Pollutant Release Inventory (NPRI) for the upstream oil and gas industry. The guide will assist companies in meeting the reporting requirements of the NPRI. This Excel spreadsheet provides a calculator for spill releases into the air.

Planning Horizontal Directional Drilling for Pipeline Construction

Sept2004 Pub #: 2004-0022 Price:\$ 0

Available: Electronic

(E) Horizontal Directionally Drilling (HDD) has proven itself over the last few years to be a very effective technique for the installation of pipelines and other utilities in sensitive or congested areas. This document provides guidance on the regulatory, environmental, geotechnical, risk, economics, engineering, contractual and construction considerations that must be evaluated prior to any final decisions to proceed with an HDD installation. The purpose of this document is to assist pipeline companies, contractors and regulators in planning, evaluating and constructing HDD crossings.

Recommended Practices for Sour Gas Development Planning and Proliferation Assessment

May2004 Pub #: 2004-0003 50 p. Price:\$ 0

Available: Electronic

(E) The Alberta Energy and Utilities Board has issued Bulletin 2004-08 on Planning and Proliferation and related expectations of industry for Sour Gas activities "near people". In conjunction with the Bulletin, Industry has developed a set of Recommended Practices in order to

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offset more prescriptive EUB Guidelines. The Recommended Practices will assist in reducing proliferation by utilizing existing infrastructure where possible. The Recommended Practices also include detailed examples of development plans that will be required of industry in planning activities involving sour gas near people.

The Legal and Policy Framework for Managing Public Access to Oil and Gas Corridors on Public Lands in Alberta, Saskatchewan and British Columbia

Jun 2004 Pub #: 2004-0012 124 p. Price:\$ 0

Available: Electronic

(E) Managing access to public land is a complex and challenging task, in part because of the multiple user groups that often seek access to those lands and because of the multiple social, economic, and environmental objectives that are typically expressed for public lands. These objectives are sometimes hard to rationalize among each other and with access demands of various user groups. In many instances, public access occurs on industrial corridors, including oil and gas roads, pipelines, and seismic lines. By facilitating public access, these corridors may exacerbate cumulative effects beyond the direct effects resulting from the construction and use of these corridors by the oil and gas industry. Thus, attempts by the industry to limit its cumulative effects may be enhanced by sensible programs for managing access by the public, and by other commercial sectors, to oil and gas corridors. This approach may be particularly useful and necessary to justify the construction of new corridors in areas where cumulative effects concerns have been identified. In practice, however, the ability of the oil and gas industry to manage public access is sometimes limited by legislation and government policy.

Upstream Petroleum Industry Benzene Emissions from Glycol Dehydrator Status Report 2006

Sept2008 Pub #: 2008-1032 20 p. Price:\$ 0

Available: Electronic

(E) A multi-stakeholder task force agreed to a voluntary approach whereby the oil and gas industry committed to reduce and report benzene emissions from glycol dehydrators. This report provides a summary and analysis of the benzene emissions reporting and the results of benzene reductions from glycol dehydrators in 2006.

Upstream Petroleum Industry Benzene Emissions from Glycol Dehydrators Status Report 2004

Mar 2006 Pub #: 2005-0018 23 p. Price:\$ 0

Available: Electronic

(E) A multi-stakeholder task force agreed to a voluntary approach whereby the oil and gas industry committed to reduce and report benzene emissions from glycol dehydrators. This report provides a summary and analysis of the benzene emissions reporting and the results of benzene reductions from glycol dehydrators in 2004.

Upstream Petroleum Industry Benzene Emissions from Glycol Dehydrators Status Report 2005

Jan 2008 Pub #: 2007-0015 5 p. Price:\$ 0

Available: Electronic

(E) A multi-stakeholder task force agreed to a voluntary approach whereby the oil and gas industry committed to reduce and report benzene emissions from glycol dehydrators. This report provides a summary and analysis of the benzene emissions reporting and the results of benzene reductions from glycol dehydrators in 2005.

Research & Innovation

A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 1, Overview of the GHG Emissions Inventory

Apr 2005 Pub #: 2005-0011 246 p. Price:\$ 0

Available: Electronic

(E) This report describes the calculation of greenhouse gas emissions and emission intensity in the upstream oil and gas industry by sub-sector, excluding oil sands mining and upgrading, and natural gas transmission. The study is based on a detailed analysis of emissions by facility for the year 2000. Data are provided by province for the years 1990 to 2000. See also: 2005-0012, 2005-0013, 2005-0014, 2005-0015

A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 2, Overview of the CAC Inventory

Apr 2005 Pub #: 2005-0012 84 p. Price:\$ 0

Available: Electronic

(E) A detailed inventory of greenhouse gas (GHG)¹, criteria air contaminant² (CAC) and hydrogen sulphide (H2S) emissions is presented for the Canadian upstream oil and gas (UOG) industry for the period of 1990 to 2000. The results are summarized at the national and provincial level for the years 1990 to 2000, and at the facility level for the year 2000. Additionally, emission and energy intensity data are presented by type of facility for the year 2000 where data were available to do so. guidance for GHGs. IPCC methodology and provincial definitions. See also: 2005-0011, 2005-0013, 2005-0014, 2005-0015

A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 3 Methodology for Greenhouse Gases

Apr 2005 Pub #: 2005-0013 120 p. Price:\$ 0

Available: Electronic

(E) This volume describes the methodology which has been used to develop the present GHG emissions inventory for the subject portions of the oil and gas industry for the year 2000. See also: 2005-0011, 2005-0012, 2005-0014, 2005-0015

A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 4 Methodology for CAC and H2S Emissions

Apr 2005 Pub #: 2005-0014 121 p. Price:\$ 0

Available: Electronic

(E) This volume describes the methodology which has been

used to develop the present CAC and H2S emissions inventory for the subject portions of the oil and gas industry for the year 2000. See also: 2005-0011, 2005-0012, 2005-0013, 2005-0015

A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 5, Compendium of Terminology, Information Sources, etc.

Apr 2005 Pub #: 2005-0015 223 p. Price:\$ 0

Available: Electronic

(E) This volume provides lists of terminology, information sources, emission factors, equipment schedules and uncertainty data for the GHG, CAC and H2S inventory study. See also: 2005-0011, 2005-0012, 2005-0013, 2005-0014

Assessment of Monitored Natural Attenuation (MNA) in Hydrocarbon Impacted Wetlands

Apr 2001 Pub #: 2001-0016 10 p. Price:\$ 0

Available: Electronic

(E) Monitored natural attenuation (MNA) is an alternative solution to conventional approaches that attempt to remediate hydrocarbon contamination in wetlands. This guideline provides an assessment approach and reflects experience gained during a four year CAPP-sponsored study of natural attenuation in wetlands. MNA focuses on the rate and extent of attenuation relative to (a) the contaminant transport rate and (b) potential risk to environmental receptors. This guide includes a list of references. See also: 2001-0013

CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 1

Jul 1999 Pub #: 1999-0009 127 p. Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce atmospheric emissions in Canada. Volume 1 provides an overview of the developed emissions inventory. See also: 1999-0010, 1999-0011, 1999-0012

CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 2

Jul 1999 Pub #: 1999-0010 161 p. Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce atmospheric emissions in Canada. Volume 2 delineates the information sources, assumptions and calculation procedures used to develop the inventory. See also: 1999-0009, 1999-0011, 1999-0012

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CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 3

Jul 1999 Pub #: 1999-0011 Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce atmospheric emissions in Canada. Volume 3 presents an inventory of emissions from oilsands mining, extraction and upgrading operations, and from heavy oil upgrading facilities. See also: 1999-0009, 1999-0010, 1999-0012

CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 4

Jul 1999 Pub #: 1999-0012 75 p. Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce atmospheric emissions in Canada. Volume 4 provides a critical review of the available measurement and estimation techniques for assessing emissions from the various types of fugitive sources commonly encountered in the upstream petroleum industry. See also: 1999-0009, 1999-0010, 1999-0011

Control of Benzene Emissions from Glycol Dehydrators

Jun 2006 Pub #: 2006-0011 80 p. Price:\$ 0

Available: Electronic

(E) The Canadian upstream oil and gas industry is committed to minimizing health risks related to benzene emissions from glycol dehydrator operations through a continued reduction program. To further encourage emissions reductions, the Alberta Energy and Utilities Board and Alberta Environment have jointly issued [Directive 039](http://www.eub.ca/docs/documents/directives/Directive039.pdf) effective July 1, 2006. Licensees must comply with the new requirements by July 1, 2007. The CAPP Best Management Practice (BMP) provides the tools necessary to be in compliance with the new requirements. Appendix C of the CAPP BMP, [Dehydrator Benzene Inventory List](http://www.capp.ca/getdoc.aspx?DocId=106131&DT=NTV), can be downloaded as an Excel file.

Dehydrator Benzene Inventory List (Form)

Jun 2006 Pub #: 2006-0011 2 p. Price:\$ 0

Available: Electronic

(E) The Canadian upstream oil and gas industry is committed to minimizing health risks related to benzene emissions from glycol dehydrator operations through a continued reduction program. To further encourage emissions reductions, the Alberta Energy and Utilities Board and Alberta Environment have jointly issued [Directive 039](http://www.eub.ca/docs/documents/directives/Directive039.pdf) effective July

1, 2006. Licensees must comply with the new requirements by July 1, 2007. The [CAPP BMP](http://www.capp.ca/getdoc.aspx?DocId=105760&DT=PDF) provides the tools necessary to be in compliance with the new requirements.

Guiding Principles for Oil Sands Development

Sept 2009 Pub #: 2009-0033 1 p. Price:\$ 0

Available: Electronic

(E) Canada's oil sands industry will provide a secure source of energy, reduce its impact on the environment and provide economic benefits to society while developing this globally significant resource, while observing several guiding principles.

Polycyclic Aromatic Hydrocarbon (PAH) Monitoring Protocol

Dec 2004 Pub #: 2005-0009 Price:\$ 0

Available: Electronic

(E) The significant increase in processing of heavy oil and tar sands in Western Canada in recent years has led to the rising concerns on worker exposure to polycyclic aromatic hydrocarbons. Polycyclic aromatic hydrocarbons are a large group of organic compounds comprised of two or more aromatic rings and by-products of combustion. They are found in crude oil and a variety of products such as bitumen, asphalt, coal tar pitch volatiles, and unrefined or mildly refined mineral oils. With the exception of lighter polycyclic aromatic hydrocarbon compounds that volatilize at normal temperatures, polycyclic aromatic hydrocarbons are normally found in air adhered to particulate matter. The main health concern with polycyclic aromatic hydrocarbons is cancer. Several individual compounds have been identified as possible or known carcinogens. Due to the complex nature of polycyclic aromatic hydrocarbon mixtures, determining the most appropriate sampling and analytical method for these compounds is challenging. Currently, there are occupational exposure standards for polycyclic aromatic hydrocarbon containing products, such as asphalt and coal tar pitch volatiles; however, extremely limited exposure standards exist for individual polycyclic aromatic hydrocarbons. Current analysis for individual polycyclic aromatic hydrocarbons is complex, onerous and costly to conduct. Questions about the accuracy of the sampling and analytical methods and how to interpret the results also exists. The following report was undertaken to:

- Outline current difficulties in polycyclic aromatic hydrocarbon sample collection, analysis and interpretation.
- Recommend an air sample collection and analytical method(s) to be used by the petroleum industry for the evaluation of worker exposure to polycyclic aromatic hydrocarbons.
- Outline the limitations of the sample collection and analytical method(s) recommended.
- Discuss how the results of the sampling can be interpreted with respect to the regulatory exposure requirements.
- Present a list of qualified laboratories that can analyze for polycyclic aromatic hydrocarbons in accordance with the recommended

(S) Relates to CAPP's Environment, Health and Safety Stewardship program

(E) An electronic version may be downloaded from CAPP's public site www.capp.ca. Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.

method(s).

Responsible Water Management in Canada's Oil and Gas Industry

Jun 2010 Pub #: 2010-0018 4 p. Price:\$ 0

Available: Electronic;Print

(E) Responsible water use and continual improvement in water management is a high priority for the upstream oil and gas industry. The industry is proactively developing new technologies and methods of production that are less fresh water-intensive, maximizing water recycling and reuse, incorporating groundwater monitoring well networks at its facilities, and implementing wetland mitigation strategies.

The Legal and Policy Framework for Managing Public Access to Oil and Gas Corridors on Public Lands in Alberta, Saskatchewan and British Columbia

Jun 2004 Pub #: 2004-0012 124 p. Price:\$ 0

Available: Electronic

(E) Managing access to public land is a complex and challenging task, in part because of the multiple user groups that often seek access to those lands and because of the multiple social, economic, and environmental objectives that are typically expressed for public lands. These objectives are sometimes hard to rationalize among each other and with access demands of various user groups. In many instances, public access occurs on industrial corridors, including oil and gas roads, pipelines, and seismic lines. By facilitating public access, these corridors may exacerbate cumulative effects beyond the direct effects resulting from the construction and use of these corridors by the oil and gas industry. Thus, attempts by the industry to limit its cumulative effects may be enhanced by sensible programs for managing access by the public, and by other commercial sectors, to oil and gas corridors. This approach may be particularly useful and necessary to justify the construction of new corridors in areas where cumulative effects concerns have been identified. In practice, however, the ability of the oil and gas industry to manage public access is sometimes limited by legislation and government policy.

Sour Gas Flaring & Venting

Best Management Practices for Facility Flare Reduction

Dec 2006 Pub #: 2006-0018 47 p. Price:\$ 0

Available: Electronic

(E) This Best Management Practice (BMP) document provides design and operating staff with a recommended approach to identify routine and non-routine flare sources and quantities, and assesses the opportunity for reduction of flare volumes and frequency at their operated facilities. The guidance provided in this BMP can also apply to routine and non-routine venting.

Guide for Estimation of Flaring and Venting Volumes

Jul 2002 Pub #: 2002-0009 Price:\$ 0

Available: Electronic

(E) This document is to assist oil and gas production companies in quantifying volumes of natural gas vented and flared at typical upstream petroleum facilities as required by EUB Guide 60. This document provides formulas and examples that industry can use. The different methods are presented in order of increasing sophistication and accuracy, though it is up to the Operator to pick the appropriate methodology given the magnitude of the volume being estimated. In general, the simplest method should suffice. See also: 29101

H2S Release Rate Assessment Audit Form

Jan 1999 Pub #: 1999-0004 72 MB Price:\$ 0

Available: CD

Describes how to estimate the H2S release rate for well drilling. A spreadsheet provides audit sheets for N2S release rate determination (geological summary, formation data sheet and summary sheet). A pdf file (71,954 kb) includes audit form examples, maps, and a contacts list. Available on CD only.

H2S Release Rate Assessment Guidelines

Jan 1999 Pub #: 1999-0004 Price:\$ 0

Available: CD

Describes how to estimate the H2S release rate for well drilling. A spreadsheet (Excel file) provides audit sheets for H2S release rate determination (geological summary, formation data sheet and summary sheet). A pdf file (71,954 kb) includes audit form examples, maps, and a contacts list. Available on CD only.

Recommended Practices for Sour Gas Development Planning and Proliferation Assessment

May 2004 Pub #: 2004-0003 50 p. Price:\$ 0

Available: Electronic

(E) The Alberta Energy and Utilities Board has issued Bulletin 2004-08 on Planning and Proliferation and related

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expectations of industry for Sour Gas activities "near people". In conjunction with the Bulletin, Industry has developed a set of Recommended Practices in order to offset more prescriptive EUB Guidelines. The Recommended Practices will assist in reducing proliferation by utilizing existing infrastructure where possible. The Recommended Practices also include detailed examples of development plans that will be required of industry in planning activities involving sour gas near people.

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