

PROOF projects per 11 May 2004

Effects in the water column

Pilot projects

Contamination of fish in the North Sea by the offshore oil and gas industry

Responsible institute: Institute of Marine Research

Project leader: Klungsøyr, Jarle

Project nr:152231/720

Period: 1.6.2002-1.9.2003

Hormone disrupting effects of pollutants in produced water from oil installations

Responsible institute: Institute of Marine Research

Project leader: Svardal, Asbjørn

Project nr:152232/720

Period: 1.4.2002-31.12.2003

GC/MS determination of produced water PAH and alkylphenol metabolites in marine fish

Responsible institute: RF-Akvamiljø

Project leader: Beyer, Jonny

Project nr: 152449/720

Period: 1.8.2002-1.9.2003

Hydrocarbon release from oil droplets to seawater: experimental and computational verification of a model

Responsible institute: RF-Akvamiljø

Project leader: Skadsheim, Arnfinn

Project nr: 152450/720

Period: 1.7.2002-31.12.2002

Identification of ecologically relevant toxic components in effluents from offshore activities (OffTiE)

Responsible institute: NIVA

Project leader: Tollefsen, Knut-Erik

Project nr: 152452/720

Period: 1.7.2002-1.4.2003

Chemical composition and toxicity of bioavailable polar crude oil fractions - a literature study

Responsible institute: SINTEF Trondheim

Project leader: Melbye, Alf Glein

Project nr: 152465/720

Period: 1.8.2002-31.12.2002

Research Projects

Effects of produced water to egg and larvae development, including sex differentiation in cod

Responsible institute: Institute of Marine Research

Project leader: Svardal, Asbjørn

Project nr: 141213/720

Period: 1.1.2001-31.12.2003

Hormone disruption and possible DNA damage on fish of alkylphenols in produced water from offshore oil installations

Responsible institute: Institute of Marine Research

Project leader: Svardal, Asbjørn

Project nr: 153692/720

Period: 1.1.2003-31.12.2005

Effects on development, sex differentiation and reproduction of cod (*Gadus morhua*) exposed to produced water during early life stages

Responsible institute: Institute of Marine Research

Project leader: Klungsøyr, Jarle

Project nr: 163338/S40

Period: 1.3.2004-1.3.2007

Pollutant exposure and effects in fish related to the discharge of produced water in the North Sea oil industry

Responsible institute: RF-Akvamiljø

Project leader: Beyer, Jonny

Project nr: 153898/720

Period: 1.1.2003-31.12.2005

Crude oil pollution measured in discharged processed water flows using optical polarisation

Responsible institute: University of Bergen

Project leader: Hammer, Erling A.

Project nr: 153858/720

Period: 1.1.2003-31.12.2004

Establishment of the gill EROD assay as a biomarker of oil and produced water discharge

Responsible institute: Norges Fiskerihøgskole

Project leader: Jørgensen, Even

Project nr: 157658/720

Period: 1.6.2003-31.12.2003

2003: 100,000

Chemical Characterisation of Polar Components in Produced Water

Responsible institute: SINTEF

Project leader: Daling, Per S.

Project nr: 157673/720

Period: 1.6.2003-31.12.2005

Long-term effects of offshore discharges on cold water zooplankton: establishing a test system for chronic exposure

Responsible institute: Akvaplan Niva AS

Project leader: Carroll, Jolynn

Project nr: 157649/720

Period: 1.7.2003-30.6.2006

Long-term -chronic - effects of produced water effluents affecting reproduction in marine crustacean plankton

Responsible institute: NTNU, University of Trondheim

Project leader: Olsen, Anders J.

Project nr: 157687/720

Period: 1.4.2003-31.12.2004

Naturlige radionuklider i det marine miljø med vekt på Nordsjøen - oppsummering

Responsible institute: Norse Decom

Project leader: Varskog, Per Daglig

Project nr: 160769/720

Period: 1.8.2003-1.10.2003

Radioactivity in produced water from Norwegian oil and gas installations - concentrations, bioavailability and doses to marine biota

Responsible institute: Institute for Energy Technology

Project leader: Eriksen, Dag Øistein

Project nr: 163323/S40
Period: 1.7.2004-30.6.2007

Connecting research and monitoring

Validation of methods and data for Environmental Risk Assessment off-shore

Responsible institute: Akvamiljø as
Project leader: Sanni, Steinar
Project nr: 153882/720
Period: 1.1.2003-31.12.2005

Integrating monitoring methods for impacts of offshore discharges to the North Sea - IMONIT

Responsible institute: Norsk institutt for vannforskning
Project leader: Tollefsen, Knut-Erik
Project nr: 159113/S40
Period: 1.1.2004-31.12.2006

Algorithms for automatic detection of oil spills in SAR images - ADOS -

Responsible institute: University of Oslo
Project leader: Solberg, Anne Helene Schistad
Project nr: 154764/720
Period: 1.1.2003-31.12.2005

Special research tasks in the Arctic

Pilot projects

Biodegradation of oil in the seawater column with emphasis on Arctic conditions

Responsible institute: SINTEF
Project leader: Brakstad, Odd Gunnar
Project nr: 152460/720
Period: 1.8.2002-31.12.2002

Research projects

Weathering of marine oil spills under Arctic conditions

Responsible institute: UNIS

Project leader: Brandvik, Per Johan

Project nr: 157678/720

Period: 1.4.2003-31.3.2006

Effects of off-shore oil industry related discharges in the Arctic

Responsible institute: RF-Akvamiljø

Project leader: Bodil Katrine Larsen

Project nr: 159176/S40

Period: 1.1.2004-31.12.2006

Experimental tests of petroleum-associated components on benthos at community, individual, and cellular levels - EXPAC -

Responsible institute: Akvaplan Niva AS

Project leader: Carroll, Jolynn

Project nr: 159016/S40

Period: 1.1.2004-31.12.2006

Ongoing discharges from drilling cuttings

Pilot projects

Impacts of metals from drill cuttings and mud to the marine water column

Responsible institute: RF-Akvamiljø

Project leader: Westerlund, Stig

Project nr: 152451/720

Period: 1.7.2002-31.12.2002

Research projects

Impacts of drilling mud discharges on water column organism and filter feeding bivalves

Responsible institute: RF-Akvamiljø

Project leader: Westerlund, Stig

Project nr: 159183/S40

Period: 1.1.2004-31.12.2005

Environmental effects of offshore oil activities: experimental tests of petroleum-associated components on benthos at community, individual, and cellular levels (EXPAC)

Responsible institute: Akvaplan-niva AS

Project leader: JoLynn Carroll
Project nr: 159016/S40
Period: 1.1.2004-31.12.2006