Q. Provide a report showing work undertaken by individual site involving the
installation of fixed equipment relative to fall arrest protection in each of the
years 2005 through 2007.

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- A. See attached report entitled "Fall Protection Systems: Installations
- 8 Completed in 2005 to 2007".



Fall Protection Systems:

Installations Completed in 2005 to 2007

Prepared By; Engineering Services Division September 2007

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1.0 2005 Equipment Installations

1.1 Nain Diesel Plant, Labrador

Fall Protection System Installation on Plant Roof.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Work performed: Fall Arrest system for servicing roof mounted exhausts, using a CSA approved prefabricated standing seam roof anchor supplied by DBI /SALA.

1.2 Black Tickle Diesel Plant, Labrador

Fall Protection System Installation on Plant Roof.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Applicable Section 90- All fixed ladders more than 6.1 meters in length shall be provided with acceptable device to prevent workers from falling.

Work performed:

- 1. Permanently installed Fall Arrest system for servicing roof mounted exhausts near ridge of pre engineered metal building roof, using an engineered stainless steel rigid pipe system anchored to roof framing complete with cable access from eaves to the F A system.
- 2. Permanently installed CSA approved pre fabricated ladder climbing system on two fuel storage vertical tanks. Ladder climbing system supplied by NORTH. Access to eave provided only by portable ladder.
- 3. Permanently installed engineered Travel Restraint system on two fuel storage vertical tanks roof.

1.3 Ramea Diesel Plant, South Coast

Fall Protection System Installation on Plant Roof.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Work performed: permanently installed Fall Arrest system for servicing roof mounted exhausts near ridge of pre engineered metal building roof, using an engineered stainless steel rigid pipe system anchored to roof framing complete with cable access from eaves to the F A system. Access to eave provided only by portable ladder.

1.4 Charlottetown Diesel Plant, Labrador

Fall Protection System Installation on Tank Roof.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 90- All fixed ladders more than 6.1 meters in length shall be provided with acceptable device to prevent workers from falling.

Work performed:

- 1. Permanently installed engineered Travel Restraint system on two fuel storage vertical tanks roofs.
- 2. Permanently installed engineered Travel Restraint system on two fuel storage vertical tanks roofs.

1.5 McCallum Diesel Plant, South Coast

Fall Protection System Installation on Plant and Tank Roofs.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Applicable Section 90- All fixed ladders more than 6.1 meters in length shall be provided with acceptable device to prevent workers from falling.

Work performed:

- 1. Permanently installed Fall Arrest Anchors for safe working area on roof. Access to eave provided by fixed ladder
- 2. Permanently installed CSA approved pre fabricated ladder climbing system on the fuel storage vertical tank. Ladder climbing system was supplied by MILLER.
- 3. Permanently installed engineered Travel Restraint system on the fuel storage vertical tank.

1.6 Stephenville Gas Turbine

Fall Protection System Installation on Tank Roofs.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 90- All fixed ladders more than 6.1 meters in length shall be provided with acceptable device to prevent workers from falling.

Work performed:

- 1. Permanently installed CSA approved pre fabricated ladder climbing system on the fuel storage vertical tanks. Ladder climbing system was supplied by MILLER.
- 2. Permanently installed engineered Travel Restraint system on the fuel storage vertical tanks.

1.7 Mary's Harbor Diesel Plant, Labrador

Fall Protection System Installation on Tank Roofs.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 90- All fixed ladders more than 6.1 meters in length shall be provided with acceptable device to prevent workers from falling.

Work performed:

- 1. Permanently installed CSA approved pre fabricated ladder climbing system on the fuel storage vertical tanks. Ladder climbing system was supplied by NORTH.
- 2. Permanently installed engineered Travel Restraint system on the fuel storage vertical tanks.

1.8 Makkovik Diesel Plant

Fall Protection System Installation on Tank Roofs.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 90- All fixed ladders more than 6.1 meters in length shall be provided with acceptable device to prevent workers from falling.

Work performed:

- 1. Permanently installed CSA approved pre fabricated ladder climbing system on the fuel storage vertical tanks. Ladder climbing system was supplied by NORTH.
- 2. Permanently installed engineered Travel Restraint system on the fuel storage vertical tanks.

1.9 North Plant, Happy Valley Goose Bay

Fall Protection System Installation on Plant Roof.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Work performed: permanently installed Fall Arrest system for servicing roof mounted exhausts, using a CSA approved anchor on the roof and guard rail on perimeter of the roof of the engine hall.

2.0 2006 Equipment Installations

2.1 Upgrading of systems installed in 2005

Work was carried out on several vertical storage tanks to upgrade the existing guard rails on the tank roof. This work was part of the fall protection installation. The sites included were Nain, Black Tickle, Mary's Harbor, Charlottetown and McCallum.

2.2 Holyrood Generating Station

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

1.Fall Protection System Installation on Pump House #2 Roof.

Work performed: Permanently installed Fall Arrest system for servicing roof mounted exhausts on the roof including near the edge (1.8 meters) the framed building roof, using an engineered stainless steel rigid pipe system anchored to roof deck. Access to the roof is provided with a CSA approved fixed vertical ladder complete with rigid pipe ladder climbing F A system supplied by NORTH safety.

2. Fall Protection System Installation in Turbine hall.

Work performed: Permanently installed Engineered and CSA approved Horizontal Life Line Fall Arrest system for servicing the over head crane in the turbine hall. Access to the system is provided with fixed ladder from the lower floor. F A system was supplied by DBI / SALA.

2.3 Bay D'Espoir Generating Station

Fall Protection System Installation on Plant Roof.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Applicable Section 90- All fixed ladders more than 6.1 meters in length shall be provided with acceptable device to prevent workers from falling.

Work performed:

Design of **Horizontal Life Line** Fall Arrest system for servicing roof mounted exhausts and other work on the framed building roof. The system was designed for office roof, power house #1 roof and power house #2 roof, using an engineered stainless steel cable system anchored to roof deck complete with cable access from roof access ladder to the F A system. Installation of the HLL scheduled for late 2006 or early 2007.

2.4 Upper Salmon Generating Station

Fall Protection System Installation on Plant Roof.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Work performed:

Design of **Horizontal Life Line** Fall Arrest system for servicing roof mounted exhausts and other work on the framed building roofs at various elevations. The system was designed for turbine hall, power house #1 roof and power house #2 roof, using an engineered stainless steel cable system anchored to roof deck complete with cable access from roof access ladder to the F A system. Installation of the HLL scheduled for late 2006 or early 2007.

2.5 Port Hope Simpson Diesel Plant

Fall Protection System Installation on Plant Roof.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Work performed:

Permanently installed Fall Arrest system for servicing roof mounted exhausts near ridge of pre engineered metal building roof, using an engineered stainless steel rigid pipe system anchored to roof framing complete with cable access from eaves to the F A system. Access to the roof is provided with an extension ladder. Access to the roof is provided with an extension ladder. The plant itself is not fenced and, in the interest of public safety, no fixed ladder will be installed.

2.6 L'anse au Loup Diesel Plant

Fall Protection System Installation on Plant Roof.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Applicable Section 90- All fixed ladders more than 6.1 meters in length shall be provided with acceptable device to prevent workers from falling.

Work performed:

Permanently installed Fall Arrest system for servicing roof mounted exhausts near ridge of pre engineered metal building roof, using an engineered stainless steel rigid pipe system anchored to roof framing complete with cable access from eaves to the F A system. Access to the roof is provided with an extension ladder at present, but a fixed ladder with safe climbing device is to be installed in 2007.

2.7 Charlottetown Diesel Plant

Fall Protection System Installation on Plant Roof.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Work performed:

Permanently installed Fall Arrest system for servicing roof mounted exhausts near ridge of pre engineered metal building roof, using an engineered stainless steel rigid pipe system anchored to roof framing complete with cable access from eaves to the F A

system. Access to the roof is provided with an extension ladder at present, but a fixed ladder with safe climbing device is to be installed in 2007.

2.8 Mary's Harbor Diesel Plant

Fall Protection System Installation on Plant Roof.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Work performed:

Permanently installed Fall Arrest system for servicing roof mounted exhausts near ridge of pre engineered metal building roof, using an engineered stainless steel rigid pipe system anchored to roof framing complete with cable access from eaves to the F A system. Access to the roof is provided with an extension ladder. The plant itself is not fenced and, in the interest of public safety, no fixed ladder will be installed.

2.9 Cartwright Diesel Plant

Fall Protection System Installation on Plant Roof.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Work performed:

Permanently installed Fall Arrest system for servicing roof mounted exhausts near ridge of pre engineered metal building roof, using an engineered stainless steel rigid pipe system anchored to roof framing complete with cable access from eaves to the F A system. Access to the roof is provided with an extension ladder. Access to the roof is provided with an extension ladder with safe climbing device is to be installed in 2007/08.

2.10 Hopedale Diesel Plant

Fall Protection System Installation on Plant Roof.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Work performed:

Permanently installed Fall Arrest system for servicing roof mounted exhausts near ridge of pre engineered metal building roof, using an engineered stainless steel rigid pipe system anchored to roof framing complete with cable access from eaves to the F A system. Access to the roof is provided with an extension ladder. The plant itself is not fenced and, in the interest of public safety, no fixed ladder will be installed.

2.11 St Anthony Diesel Plant

Fall Protection System Installation on Plant Roof.

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Work performed:

Permanently installed Fall Arrest system for servicing roof mounted exhausts near ridge of pre engineered metal building roof, using an engineered stainless steel rigid pipe system anchored to roof framing complete with cable access from eaves to the F A system. Access to the roof is provided with an extension ladder. Access to the roof is provided with an extension ladder with safe climbing device is to be installed in 2007/08.

3.0 2007 Equipment Installations

3.1 Upgrading of Horizontal Fuel Storage Tanks Catwalks

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Work was carried out on horizontal tanks fuel storage tanks at several diesel plants. The upgrade work included installation of proper guard rails on the catwalks and extension of guard rails at the dip point to provide protection against the fall. The sites included were Nain, Mary's Harbor, Port Hope Simpson, St. Lewis, L'anse au Loup, Makkovik, Postville, Rigolet and North Plant.

3.2 Holyrood Generating Station

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

1. Fall Protection System Installation on Pump House #1 Roof.

Work performed: Design of Fall Arrest system for servicing roof mounted exhausts on the roof including near the edge (1.8 meters) the framed building roof, using an engineered stainless steel rigid pipe system anchored to roof deck. Access to the roof is provided with a CSA approved fixed vertical ladder complete with rigid pipe ladder climbing F A system supplied by NORTH safety. Installation may be in late 2007 or 2008

2. Fall Protection System for Water Treatment Plant

Work performed: Design of Fall Arrest system for servicing roof mounted exhausts on the roof including near the edge (1.8 meters) the framed building roof, using an engineered stainless steel rigid pipe system anchored to roof deck. Access to the roof is provided with a CSA approved fixed vertical ladder complete with rigid pipe ladder climbing F A system supplied by NORTH safety. Installation may be in late 2007 or 2008

3.3 Cat Arm Generating Station

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Applicable Section 90- All fixed ladders more than 6.1 meters in length shall be provided with acceptable device to prevent workers from falling.

Work performed:

Design and acquisition of material for Installation of Horizontal Life Line Fall Arrest system for servicing roof mounted exhausts and other work on the framed building roofs at several levels. Material has also been acquired for ladder climbing systems for the existing fixed ladders on the plant. Installation of the systems may be in late 2007 or in 2008.

3.4 Hinds lake Generating Station

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Applicable Section 90- All fixed ladders more than 6.1 meters in length shall be provided with acceptable device to prevent workers from falling.

Work performed:

Design and acquisition of material for Installation of Horizontal Life Line Fall Arrest system for servicing roof mounted exhausts and other work on the framed building roofs at several levels. Material has also been acquired for ladder climbing systems for the existing fixed ladders on the plant. Installation of the systems may be in late 2007 or in 2008.

3.5 Paradise River Generating Station

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Applicable Section 90- All fixed ladders more than 6.1 meters in length shall be provided with acceptable device to prevent workers from falling.

Work performed:

Design and acquisition of material for Installation of Horizontal Life Line Fall Arrest system for servicing roof mounted exhausts and other work on the framed building roofs at several levels. Material has also been acquired for ladder climbing systems for the existing fixed ladders on the plant. Installation of the systems may be in late 2007 or in 2008.

3.6 Bishops Falls Warehouse Roof

Applicable Standard- NL Occupational Health & Safety Regulations CNR 1165 / 96 (O C 96-478)

Applicable Section 60- Working at elevations greater than 3.05 meters above grade or floor.

Applicable Section 90- All fixed ladders more than 6.1 meters in length shall be provided with acceptable device to prevent workers from falling.

Work performed:

Design and acquisition of material for Installation of Vertical Life Line Fall Arrest system for servicing roof mounted air conditioning unite and other work on the pre engineered metal building. Material has also been acquired for ladder climbing systems for the existing fixed ladders on the plant. Installation of the systems may be in late 2007.