



Cert. No. NYK 06-2106-6

Ref. No. PSALV

Date: 22 June 2006

DET NORSKE VERITAS

INSPECTION REPORT

This is to certify that at the request of **Australian Pipeline Valve**, Salisbury Plain, South Australia, the undersigned Surveyor to this Society did attend the Fire Safe Testing on 14-17 June 2006 in order to verify that the Fire Safe Test was carried out in accordance with the API 607, 5th Edition and API 6FA, 3rd Edition requirements on the following operated ball valve:

Brands:	APV (Australian Pipeline Valve)
Product:	2 inch Class 600 Plug Valve, flanged end, Pressure balanced, lubricated, inverted tapered plug SSCR
Model:	Steel A216-WCB
Body Material:	Metal (lubricated)
Seat Material:	ENP
Trim:	150 up to 2500 Class
Class range covered:	½ to 16 inches
Size range covered:	

The details of the Fire Safe Test are as follows:

- A) The valve in closed position is mounted in the test rig with the stem in horizontal position. The test valve and the system upstream of the test valve is completely water filled and air purged. The system downstream is completely drained.
- B) The system is pressurized for hydrotest and checked for leaks.
- C) The pressure is reduced to the appropriate high test pressure of 76 BAR (1110 psig).
- D) The valve is exposed to fire for 30 minutes. During this period the flame thermocouples reach the minimum average temperature of 650°C within two (2) minutes and the calorimeter thermocouples reach the minimum average temperature of 650°C within 11 minutes. Flame and calorimeter temperatures are recorded at 15 seconds intervals.
- E) At the conclusion of fire, the amount of water collected into the calibrated downstream container is recorded to establish the total through valve leakage.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.

- F) The valve in high test pressure is cooled to less than 100 C. During this period the amount of water collected into the calibrated downstream container is recorded for use in calculating the external valve leakage. The amount of water in the upstream vessel is also recorded.
- G) The pressure is increased to the appropriate high test pressure of 76 BAR (1110 psig). The test valve is fully opened using the applicable mode of operation and the shut-off valve is closed.
- H) The external leakage is measured for a period of 5 minutes after the valve is in the fully open position at the appropriate high test pressure of 76 BAR (1110 psig).

The Fire Safe Test was carried out by a Team headed by Matthew Wasielewski, P.E. Leak rates as shown in the Fire Test Data Sheet No. 204114, Item No. 7 duly endorsed by the witnessing DNV Surveyor, are within the API 607, 5th Edition, and API 6FA, 3rd Edition requirements.

The above mentioned valves have passed the Fire Safe Tests.

For Det Norske Veritas



Paul K. Salvesen



David Reznik



Cert. No. NYK 06-2106-1
Ref. No. PSALV
Date: 22 June 2006

DET NORSKE VERITAS

INSPECTION CERTIFICATE

This is to certify that the undersigned representative to Det Norske Veritas did at the request of **Australian Pipeline Valve**, Salisbury Plain, South Australia, attend the Fire Safe Test on 14-17 June 2006, in order to verify that the Fire Safe Test was carried out in accordance with API 607, 5th Edition and API 6FA, 3rd Edition requirements.

Brand: APV (Australian Pipeline Valve)
Product: 2 inch Class 600 Plug Valve, flanged end,
Pressure balanced, lubricated, inverted tapered plug
Model SSCR
Body Material: A216-WCB
Seat Material: Metal (Lubricated)
Trim: ENP
Class range covered: 150 to 2500 Class

The above valve was Fire Safe Tested in accordance with API 607, 5th Edition, and API 6FA, 3rd Edition, requirements in the presence of the DNV Surveyor and all tests were found to be satisfactory.

The Fire Safe Test Report 204114, Item No. 7, dated 14 June 2006, carried out by a Team headed by Matthew Wasielewski, P.E., was reviewed and found to be satisfactory.

For Det Norske Veritas


Paul K. Salvesen




David Reznik

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