

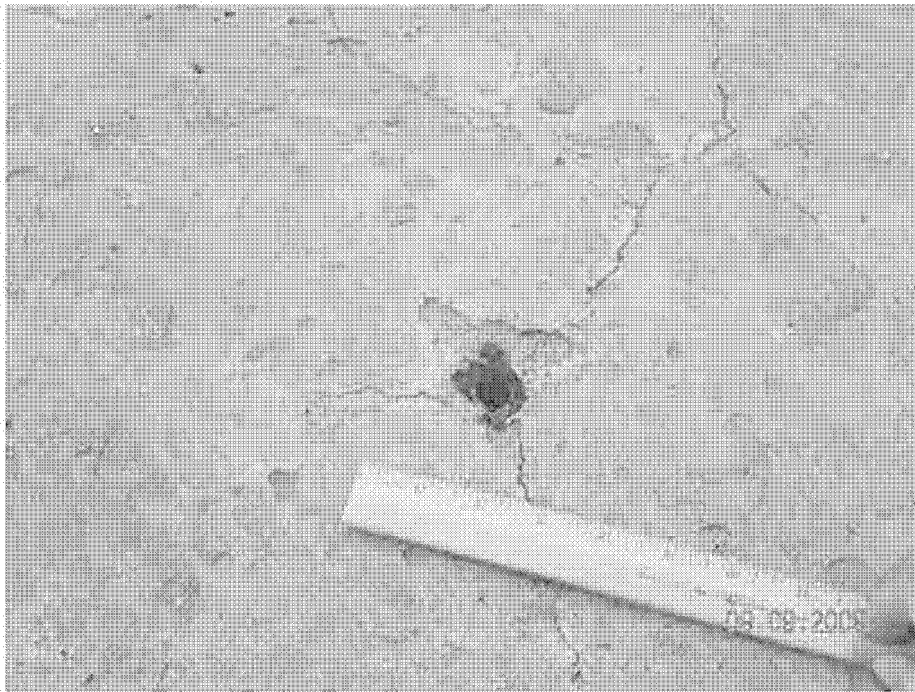
*Before*

Indication: Small exposed metal insert with minimal rust and staining.  
Location: Zone 6, approx. elevation 113'-0", just to the right of the hatch.

NO VANTAGE POINT FOR AFTER PHOTO. CONFIRMED WITH PERSON-IN-CHARGE THAT COATING WAS APPLIED.

*After*

INDICATION #7

*Before*

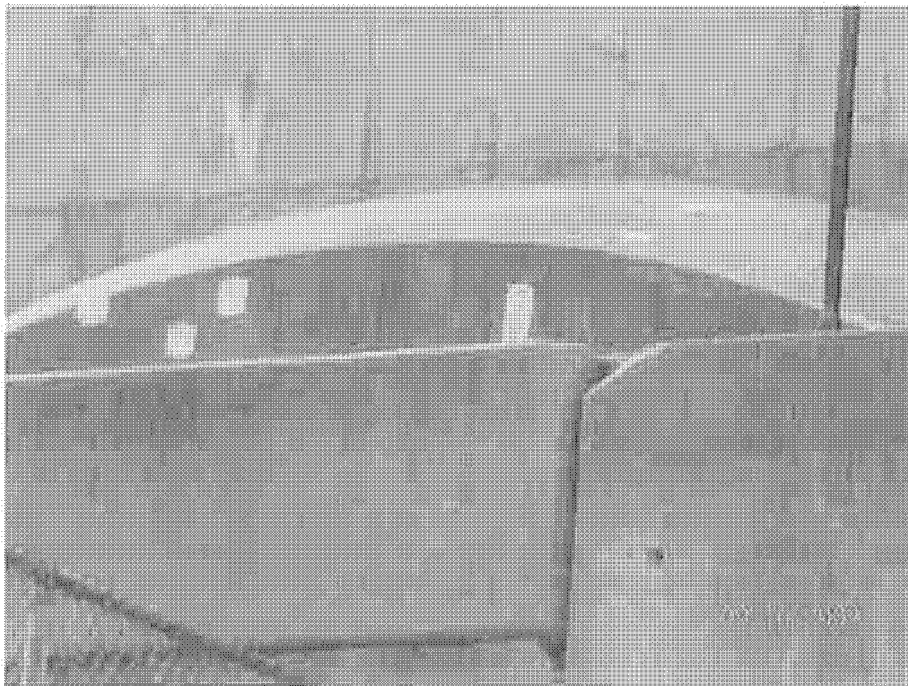
Indication: Anchor hole, approx. 5/8" dia., with minimal rust and staining.  
Location: Zone 6, approx. elevation 113'-0", on the hatch.

*After*

INDICATION #8

*Before*

Indication: Two small exposed metal inserts with minimal rust and staining.  
Location: Zone 6, approx. elevation 113'-0", on the hatch.

*After*

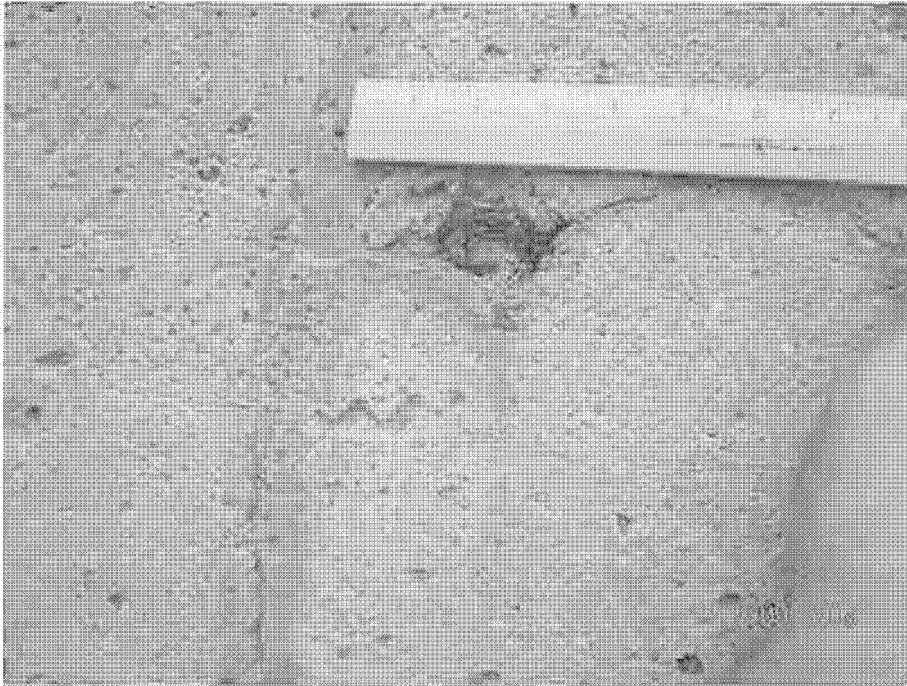
INDICATION #9

*Before*

Indication: Two small nails with minimal rust and staining.  
Location: Zone 6, approx. elevation 113'-0", on the hatch.

*After*

INDICATION #10

*Before*

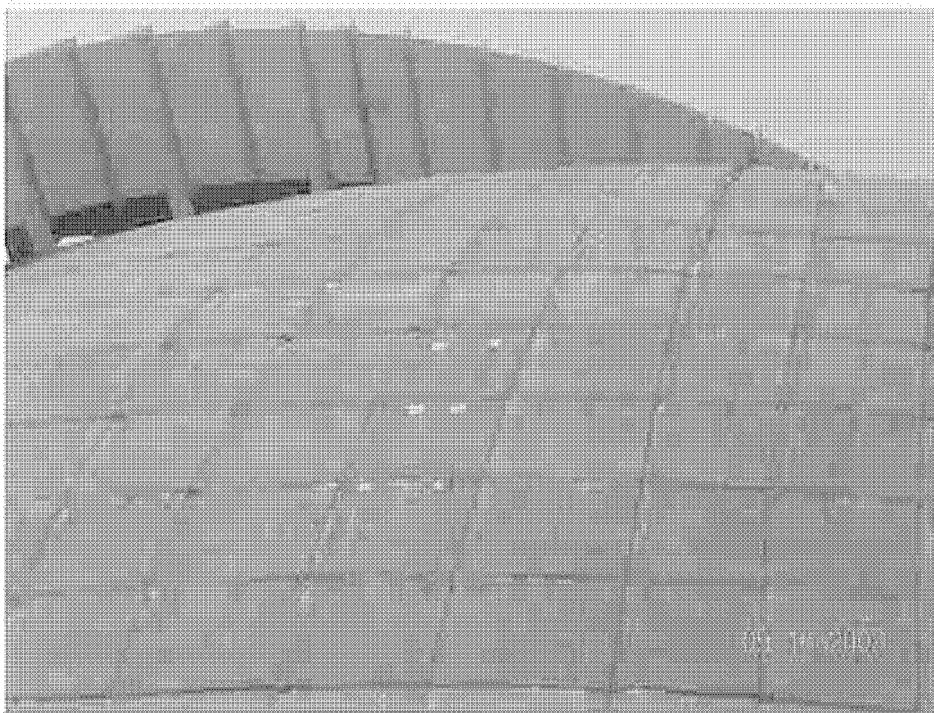
Indication: Exposed metal insert, approx. 1 ¼" dia., with rust and staining.  
Location: Zone 5, approx. elevation 120'-0", to the left of and above the hatch.

*After*

INDICATION #11

*Before*

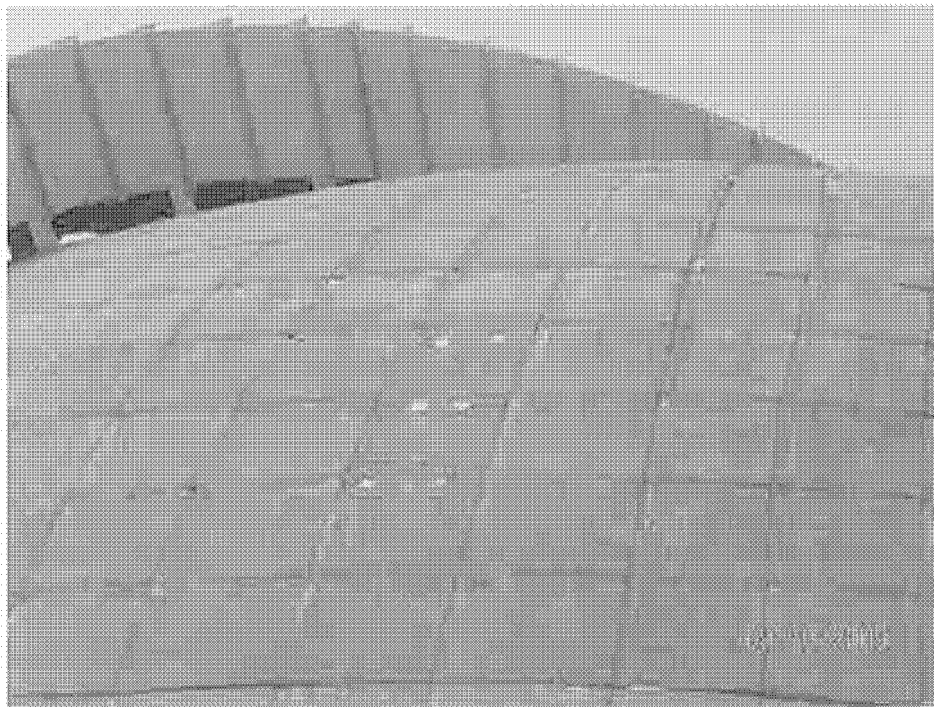
Indication: Two 1/2" dia. anchor sleeves with minimal rust and staining.  
Location: Zone 5, dome, approx. 15' right of vent.

*After*

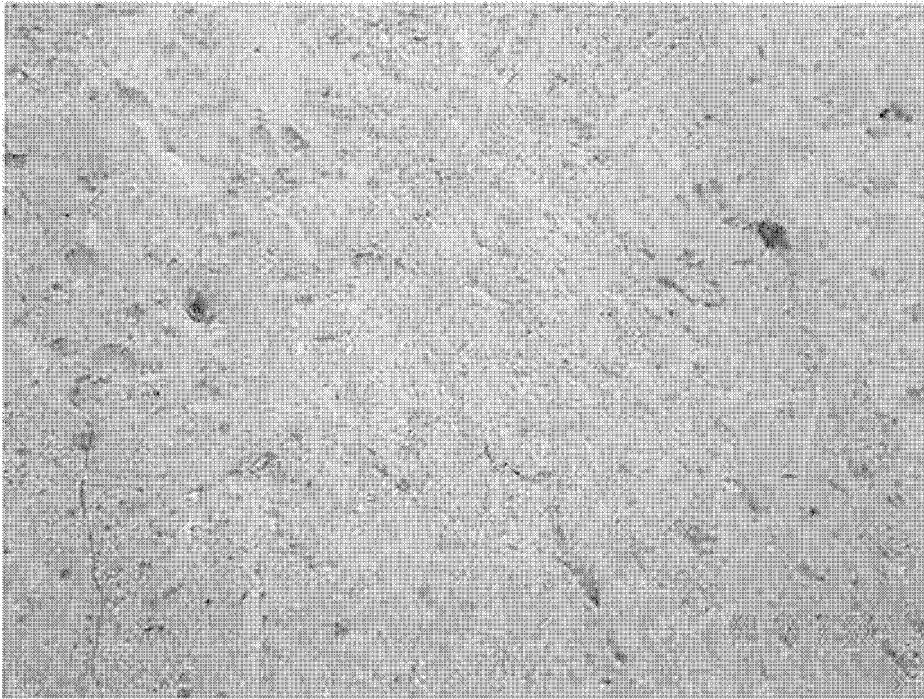
INDICATION #12

*Before*

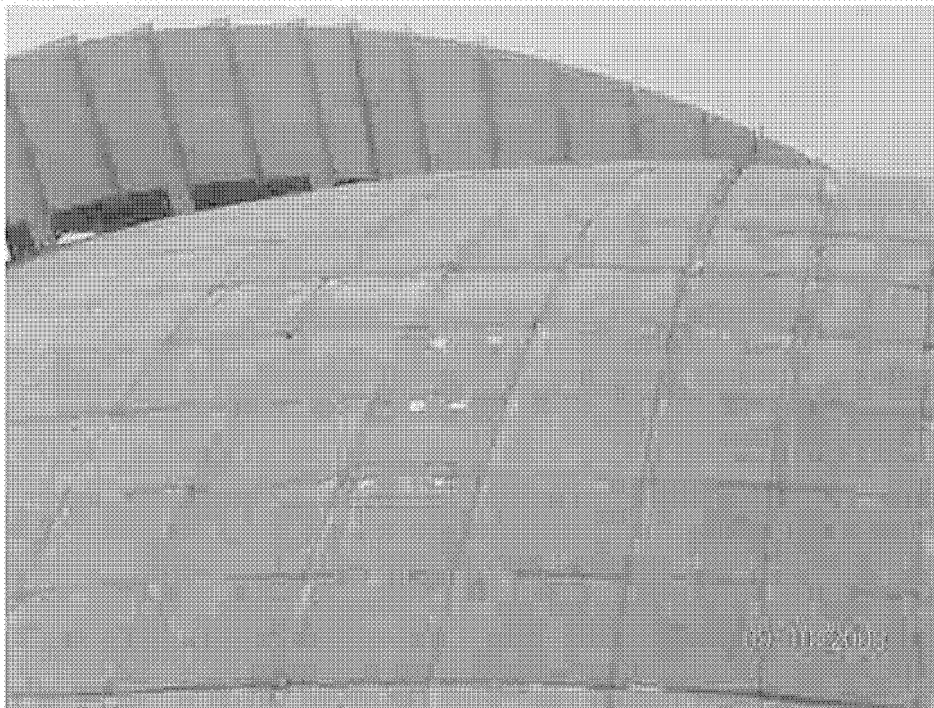
Indication: Two ½" dia. anchor sleeves with minimal rust.  
Location: Zone 5, dome, approx. 15' right of vent.

*After*

INDICATION #13

*Before*

Indication: Two 1/2" dia. anchor sleeves with minimal rust.  
Location: Zone 5, dome, approx. 15' right of vent.

*After*

INDICATION #14

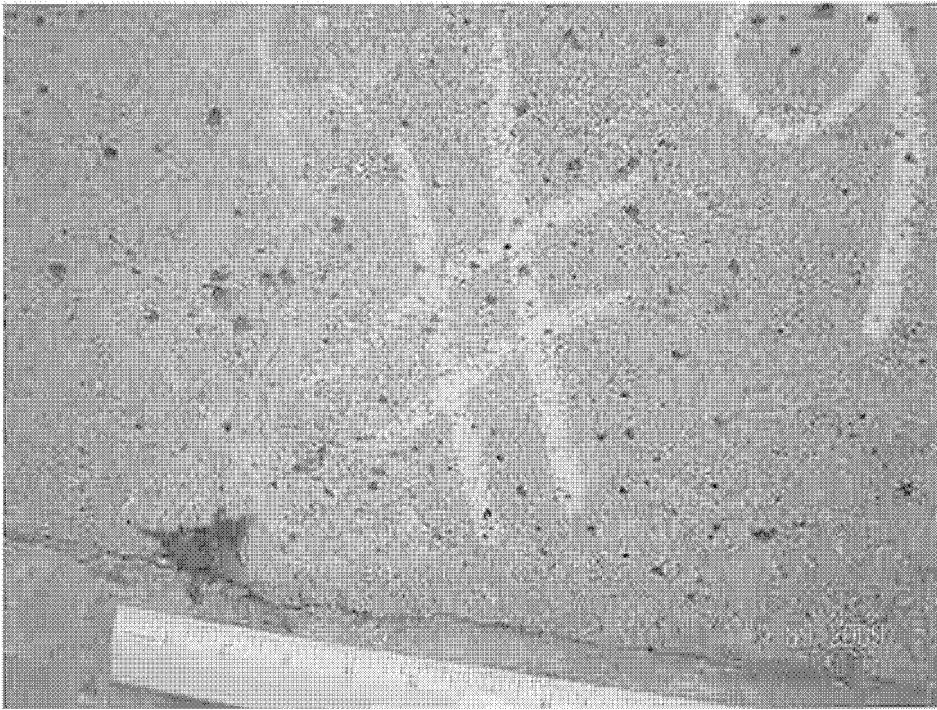


*Before*

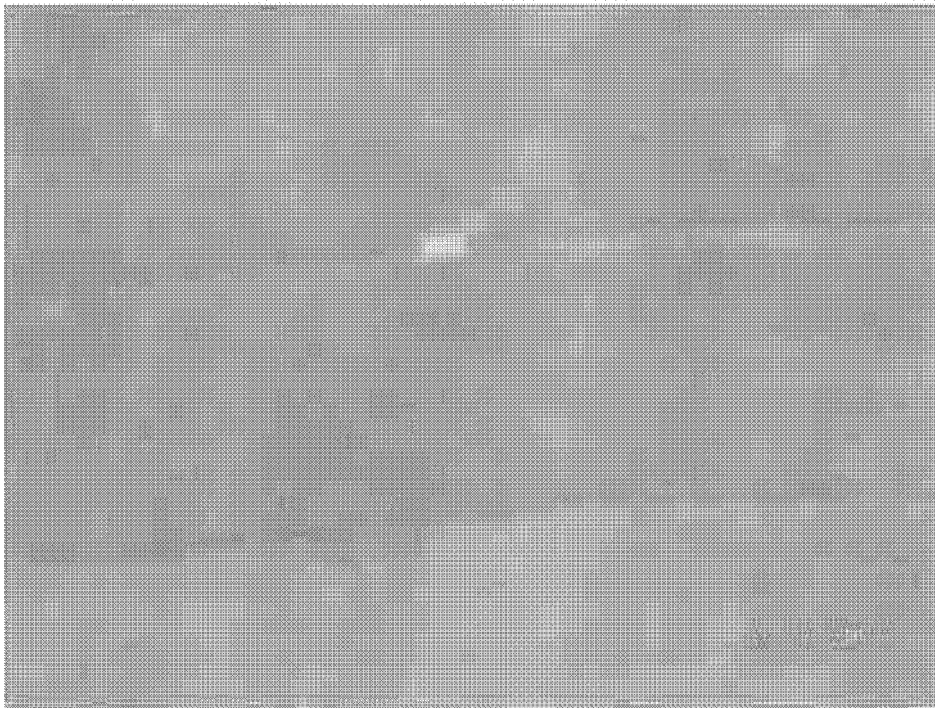
Indication: Flat bar steel insert, approx. 7" long, with minimal rust and staining.  
Location: Zone 3, elevation 118'-0", visible from transformer yard.

*After*

INDICATION #15

*Before*

Indication: Metal insert, 1 ½" x 1", with minimal rust and staining.  
Location: Zone 3, elevation 128'-0", visible from transformer yard.

*After*

INDICATION #16

*Before*

Indication: Exposed steel, approx. 1" dia., with minimal rust & staining.  
Location: Zone 2, elevation 153'-0", visible from Turbine Roof

DUE TO ACCESS LIMITATIONS, ONLY A PRIME COAT COULD BE APPLIED  
TO THE INDICATION.

*After*

INDICATION #17


*Before*

Indication: Exposed steel, approx. ½" dia., with minimal rust & staining.  
Location: Zone 2, elevation 138'-0", visible from Turbine Roof

DUE TO ACCESS LIMITATIONS, ONLY A PRIME COAT COULD BE APPLIED  
TO THE INDICATION.

*After*

INDICATION #18

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**Indian Point 3  
Nuclear Power Plant**

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**ATTACHMENT 8.6**

**Unit 3 Dome Ring  
Inspection and Load Test Report**

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**Inspection and Load Test Report**  
**Unit 3 Dome Ring**

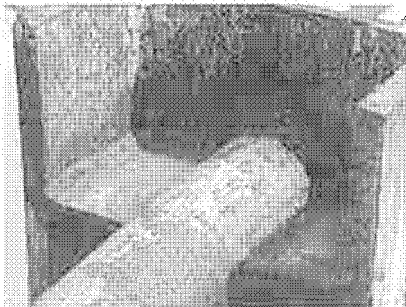
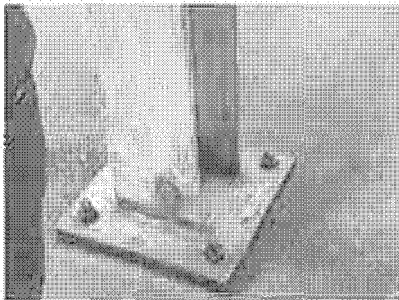
Inspection/Test Date: 8/20/2009

Weather: Hazy Sun

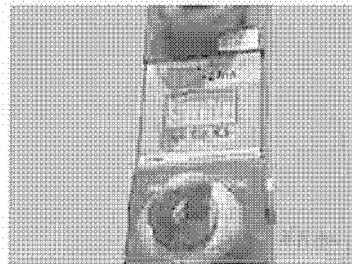
Load Cell for Test: DYNA-Link Model MSI-7200  
 Calibration Date: 2/25/2010

On Thursday, 8/20/2009, Civil Engineering performed an inspection and witnessed a load test of the ring support structure located on top of the Unit 3 Vapor Containment Dome. The following components of the ring support structure were visually inspected prior to the load test for corrosion, distortion, cracking and general material condition:

- Curved Piping that comprised the ring itself
- Wide Flange sections that comprised the vertical stanchions
- Base Plates
- Anchors
- Welds
- Gusset Plates



Results of the visual inspection revealed that the ring support structure was in good condition with light to moderate surface corrosion on all of the components. There was no significant loss of material observed as a result of the corrosion. The anchors were tight and in good condition with no evidence of concrete cracking in the vicinity of the anchors. Some localized pitting was observed near the welds that attached the gusset plates to the wide flange and pipe ring sections. None of the observed degradation would result in any significant reduction in the structural capacity of the components that comprise the ring support system.




As a result, a load test was performed on the ring support system by attaching slings around the gusset plates and pipe at the top of the vertical wide flange component. Shackles attached the slings to a load cell that was attached to a chain fall and the main hook of a mobile crane. The load on the ring

support system was slowly increased using both the chain fall and mobile crane until a load of 5140 lbs was achieved on the load cell. The load was held for approximately 5 minutes during which time all of the structural components were visually inspected for any signs of distress, distortion and or cracking. No signs of distress, distortion or

cracking were observed in any of the structural components when exposed to the 5140 lb load. Only one location was tested since the visual inspection indicated this was representative of the entire structure.

Based on the results of the load test, the ring support structural can be safely utilized to support the moving scaffold system proposed for use in coating the portion of the vent stack located above the 191' elevation.

  
 JOHN F. SKONIECZNY

8/20/2009  
 DATE