

TVA

Office of Nuclear Power

PROJECT: WBNSYSTEM: PZRUnit: 2WELD NO.: WP-10

REPORT NO.:

R. P. 1291

## EXAM COVERAGE CALCULATION

WELD LENGTH = 78.0"

TOTAL EXAM VOLUME =  $1328.31^{\text{in}^3}$ SCAN 1 (20) HEATER OBSTRUCTIONS = 48"  
TOTAL

0° &amp; SCAN 3, 4 45°/60°

MISSING VOLUME =  $446.27^{\text{in}^3} \div 1328.31^{\text{in}^3} = 66.41\%$  COVERAGE

SCAN 1 (MISSING EXAM VOLUME)

45° SURGENOZ =  $134.41^{\text{in}^3}$   
OBSTRUCTIONHEATER OBSTRUCTION =  $216.36^{\text{in}^3}$  $350.71^{\text{in}^3} \div 1328.31^{\text{in}^3} = 73.6\%$  COVERAGE  
MISSING VOLUME60° SURGENOZ =  $92.58^{\text{in}^3}$ HEATER =  $475.56^{\text{in}^3}$  $568.14^{\text{in}^3} \div 1328.31^{\text{in}^3} = 57.23\%$  COVERAGE  
MISSING VOLUME

SCAN 2 (TOTAL VOLUME EXAMINED)

45° =  $390.78^{\text{in}^3} \div 1328.31^{\text{in}^3} = 29.42\%$ 60° =  $206.70^{\text{in}^3} \div 1328.31^{\text{in}^3} = 15.56\%$ 

0°	66.41%
SCAN 1 45°	73.60%
60°	57.23%
SCAN 2 45°	29.42%
60°	15.56%
SCAN 3 45°	66.41%
60°	66.41%
SCAN 4 45°	66.41%
60°	66.41% +

507.86%

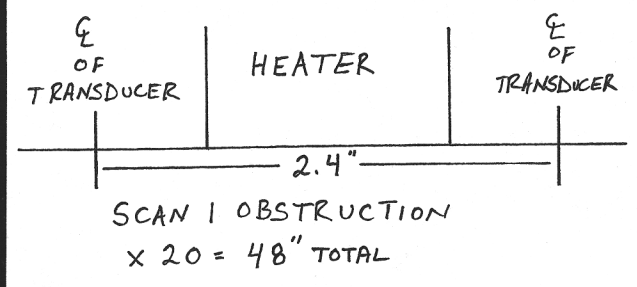
9 ÷

56.43%

TOTAL EXAM  
COVERAGEBY: Jason Polisenky JASON POLISENSKY LEVEL: IIDATE: 11/02/10PAGE 6 OF 7

R-1291

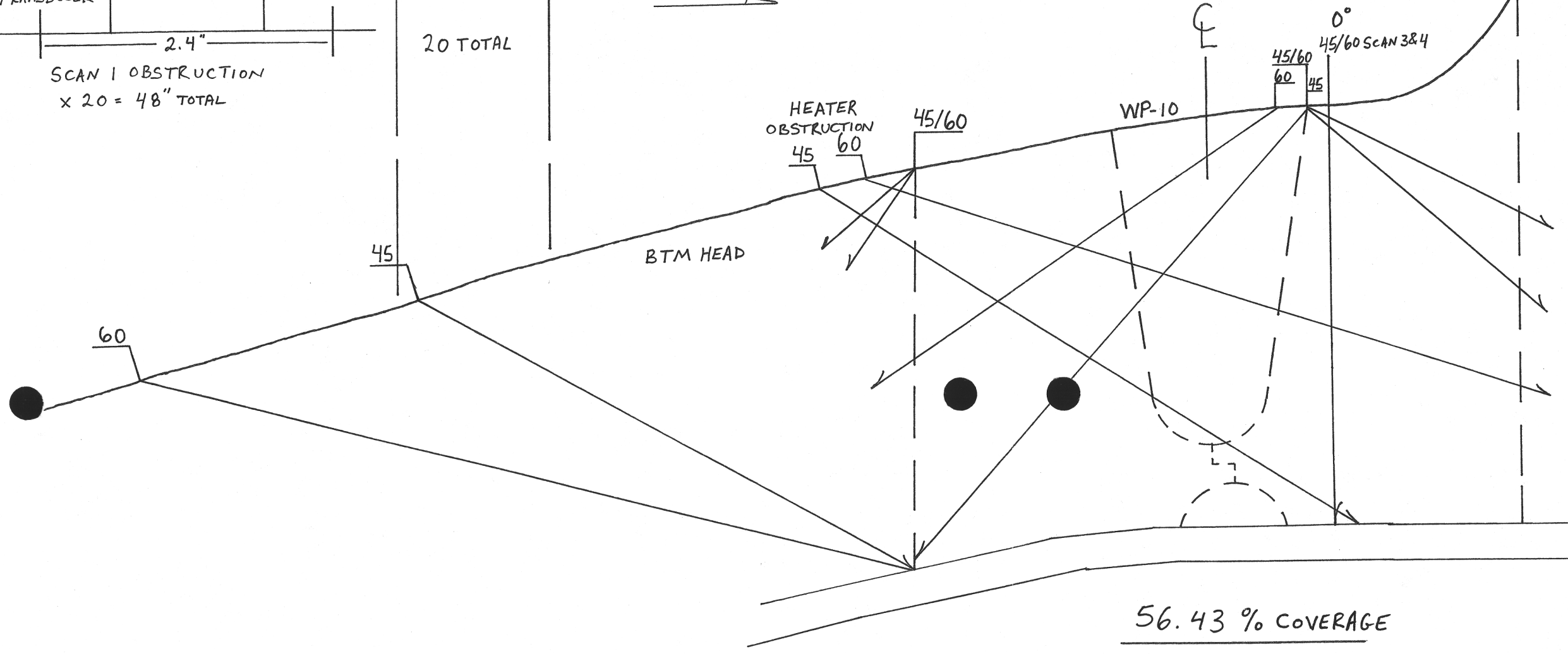
SURGE NOZ



HEATER  
1.25" DIA.  
20 TOTAL

SCAN 1

SCAN 2



WBN UNIT 2  
PZR WP-10

*Jason Polinsky* JASON POLISKY LVII 11/02/10