



**STANDARD OPERATING PROCEDURE**

**Department:** Engineering

**Title:** Spray Ball Coverage Verification

<b>SOP No.</b>		<b>Revision No.</b>	
<b>Effective Date</b>		<b>Supersedes No.</b>	
<b>Review Date</b>		<b>Page No.</b>	1 of 2

**1.0 OBJECTIVE:**

To describe the procedure for Spray Ball Coverage Verification.

**2.0 SCOPE:**

The SOP is applicable for procedure for Spray Ball Coverage Verification.

**3.0 RESPONSIBILITY:**

**3.1** The Maintenance Operator shall be responsible:

**3.1.1** Responsible for performing the task as per operating procedure Responsible for Maintaining Record.  
Responsible to report the deviations, if observed.

**3.2** The Maintenance Engineer shall be responsible:

**3.2.1** Responsible for implementation of procedure. Responsible to take corrective action if  
any deviation.

**4.0 ACCOUNTABILITY:**

Head –Engineering Services

**5.0 PROCEDURE:**

**5.1 TEST PROCEDURE:**

**5.1.1** After sanitation of the system, collect a sample of the rinse solution.

**5.1.2** Remove a test strip from the container and immediately replace the lid.

**5.1.3** Dip the test strip into the solution to be tested for one second, such that the reaction  
zone is properly wetted.



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**5.1.4** Remove the test strip, gently shake off excess liquid, and compare the reaction zone with the color scale between 5 and 10 seconds after exposure.

**5.1.5** If test strip indicates dark blue to brown or green to brown, the concentration is too high for the color scale.

**5.2 STORAGE AND HANDLING OF RESIDUAL HYDROGEN PEROXIDE TEST STRIP:**

**5.2.1** Containers that have not been opened must be stored in a refrigerator (5-15<sup>0</sup>C).

**5.2.2** When a container has been opened do not put it back into the refrigerator.

**5.2.3** Store containers that have been opened in cool and dry place without refrigerating.

**5.2.4** Failure to store test strips properly will result in inaccurate readings.

**5.2.5** To check the color reaction, strips should be tested against a known 3-ppm concentration of hydrogen peroxide (0.1 ml of 3% hydrogen peroxide in 1000 ml of purified water). If the result is not greater than 1 ppm and less than 10 ppm per the color chart, the strips must be discarded. Such test to be carried out once in six month for one container.

**6.0 ANNEXURES:**

Nil

**7.0 REFERENCES (S)**

Nil

**8.0 GLOSSARY**

SOP : Standard Operating procedure  
PPM : Parts Per Million.  
% : Percentage.