



STANDARD OPERATING PROCEDURE

Department: Engineering

TITLE: Spray Ball Coverage Verification

SOP No.		Revision No.	
Effective Date		Supersedes No.	
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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 at

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 (5-15⁰C).

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.