DOCUMENT TYPE: Standard Operating Procedure

TITLE: Coleman Generator Operation

PREPARED BY: Jeanette de la Rosa, Quality Assurance Officer

REVIEWED BY: Anne Cheung, Laboratory Manager

APPROVED BY: Marshall K. Cheung, Ph.D., Laboratory Director

Table of Contents

1. Scope and Application.................................................................3
2. Summary of Method...............................................................3
3. Equipment.................................................................................3
4. Reagents ..................................................................................3
5. Procedure..................................................................................3
6. Maintenance.............................................................................4
7. Bibliography.............................................................................4
DOCUMENT TYPE: Standard Operating Procedure

TITLE: Coleman Generator Operation

PREPARED BY: Jeanette de la Rosa, Quality Assurance Officer

REVIEWED BY: Anne Cheung, Laboratory Manager

APPROVED BY: Marshall K. Cheung, Ph.D., Laboratory Director

Table of Contents

1. Scope and Application........................................................................................................3
2. Summary of Method...........................................................................................................3
3. Equipment..........................................................................................................................3
4. Reagents ..........................................................................................................................3
5. Procedure..........................................................................................................................3
6. Maintenance .......................................................................................................................4
7. Bibliography.......................................................................................................................4
<table>
<thead>
<tr>
<th>Document No.:</th>
<th>SOP – SP 005 - 001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copy provided to:</td>
<td>Anne Y. Cheung</td>
</tr>
<tr>
<td>Title:</td>
<td>Laboratory Manager</td>
</tr>
<tr>
<td>Copy provided by:</td>
<td>Jeanette de la Rosa</td>
</tr>
<tr>
<td>Title:</td>
<td>Quality Assurance Officer</td>
</tr>
<tr>
<td>Date:</td>
<td>July 28, 2004</td>
</tr>
</tbody>
</table>
1. **Scope and Application**
   1.1. This SOP provides instructions for the safe use of the Coleman electric generator.
   1.2. Maintenance of the generator is also described.

2. **Summary of Method**
   2.1. Check oil
   2.2. Check gasoline
   2.3. Start generator
       2.3.1. Move choke bar into position
       2.3.2. Put throttle on fast
       2.3.3. Ground with copper stake in ground
       2.3.4. Turn Stop Control switch to on
       2.3.5. Push the red I/O key to I.
       2.3.6. Pull rip cord to start
       2.3.7. Adjust choke and throttle to achieve smooth idle.
   2.4. Stop Generator
       2.4.1. Move throttle to slow
       2.4.2. Turn the switch to off

3. **Equipment**
   3.1. Coleman Generator
   3.2. Rags

4. **Reagents**
   4.1. Gasoline
   4.2. Oil (30 SAE)

5. **Procedure**
   5.1. Check the oil level in the generator.
       5.1.1. Change oil after first five hours then every eight thereafter.
   5.2. Fill generator gas tank with unleaded gasoline.
   5.3. Start the generator
       5.3.1. Move **choke bar** to **choke** position.
       5.3.2. Put **throttle** to **fast** position (to the left).
       5.3.3. Ground the generator with **copper wire** and **stake**.
       5.3.4. Place **Stop Control Switch** on.
       5.3.5. Push the red I/O key to I.
       5.3.6. Pull **rip cord** to start.
       5.3.7. Move **choke** to the **run** position.
       5.3.8. Adjust **throttle** to control speed.
   5.4. Stop the Generator
       5.4.1. Move **throttle** to **slow** position (to the right).
       5.4.2. Turn **Stop Control Switch** off.
6. **Maintenance**
   6.1. Change the oil after the first 5 hours of operation then every 8 hours thereafter.
   6.2. Change the spark plugs after every 100 hours of operation.

7. **Bibliography**