



### 3. PHYSICAL / CHEMICAL TEST PROCEDURE

Physical Test – indicate properties detectable by the senses, color, turbidity, total solids, dissolved solids, suspended solids, odor and taste are recorded.

Chemical Test – determine the amounts of mineral and organic substances that affect water quality. pH, hardness, presence of a selected group of chemical parameters, biocides, highly toxic chemicals, and B.O.D. are estimated.

|                                  |   |   |                        |   |
|----------------------------------|---|---|------------------------|---|
| <b>Office or Division:</b>       |   | Water Resources Division                    |                        |   |
| <b>Classification:</b>           |   | Highly Technical                            |                        |   |
| <b>Type of Transaction:</b>      |   | G2G - Government to Government              |                        |   |
| <b>Who may avail:</b>            |   | GM / Division Head – Engineering, DOH, LWUA |                        |   |
| <b>CHECKLIST OF REQUIREMENTS</b> |   | <b>WHERE TO SECURE</b>                      |                        |   |
| None                             |   |   |                        |   |
| <b>CLIENT STEPS</b>              | <b>AGENCY ACTIONS</b>   | <b>FEES TO BE PAID</b>                      | <b>PROCESSING TIME</b> | <b>PERSON RESPONSIBLE</b>   |
| 1. None                          | 1. Water resources team take water sample at every deep well source, labels the bottles of water samples with sample source, date and time of sampling. | None  | 2 days<br>(40 samples) | <b>Edzel L. Lintag</b><br>(Division Manager B)<br><br><b>Jose Nilo Alex M. Ongoco</b><br>(Water Utilities Management Officer A) |
| 2. None                          | 2. Submit water samples to laboratory representative of DOH for testing of water samples.   | PHP 92,000.00<br><br>(2,300x40 samples)     | 1 day                  | <b>Edzel L. Lintag</b><br>(Division Manager B)<br><br><b>Jose Nilo Alex M. Ongoco</b><br>(Water Utilities Management Officer A) |
| 3. None                          | 3. Receives the result of Physical / Chemical Test of water samples 1 month after the submission of samples.  | None  | 1 day                  | <b>Edzel L. Lintag</b><br>(Division Manager B)<br><br><b>Jose Nilo Alex M. Ongoco</b><br>(Water Utilities Management Officer A) |
| 4. None                          | 4. Submit the results of Annual Physical / Chemical Test of water samples to LWUA.  | None  | 2 days                 | <b>Edzel L. Lintag</b><br>(Division Manager B)  |



|               |   |                  |                      |  |
|---------------|---|------------------|----------------------|--|
| 5. None       | 5. Files the result of Annual Physical / Chemical Test of water samples for monitoring of water quality of water sources. | None             | 2 hours              | <b>Edzel L. Lintag</b><br>(Division Manager B) |
| <b>Total:</b> |   | PHP<br>92,000.00 | 6 days and<br>2 hour |  |