

# 興達發電廠燃氣機組更新改建計畫施工期間環境監測工作

## 114 年第 4 季監測成果摘要

| 監測計畫內容   | 成果摘要   |                                     |             |             |             |
|--|--|-------------------------------------|-------------|-------------|-------------|
| <b>空氣品質</b><br>一、項目：<br>二氧化硫、二氧化氮、粒狀物(PM <sub>10</sub> 、PM <sub>2.5</sub> )、風速、風向<br>二、地點：<br>文南測站、文賢測站及鹽田測站，計 3 站<br>三、頻度：<br>每季 1 次  | 一、執行情形：由金輝企業股份有限公司辦理。                                  |                                     |             |             |             |
|  | 測站   | 文南測站                                | 文賢測站        | 鹽田測站        |             |
|  | 項目、日期  | 分別於文南測站、文賢測站及鹽田測站設置空氣品質監測站，皆為連續自動監測 |             |             |             |
|  | 二、監測結果：  |                                     |             |             |             |
|  | 測站   | 文南測站                                | 文賢測站        | 鹽田測站        |             |
|  | 項目、監測值   |                                     |             |             |             |
|  | SO <sub>2</sub><br>(ppm)                               | 日平均值                                | 0.001~0.002 | 0.001~0.003 | 0.001~0.003 |
|  |  | 小時平均值                               | 0.002~0.003 | 0.002~0.008 | 0.002~0.005 |
|  | NO <sub>2</sub><br>(ppm)                               | 日平均值                                | 0.005~0.023 | 0.002~0.025 | 0.004~0.021 |
|  |  | 小時平均值                               | 0.009~0.031 | 0.004~0.040 | 0.007~0.032 |
|  | PM <sub>10</sub> 日平均值<br>( $\mu\text{g}/\text{m}^3$ )  |                                     | 20~108      | 21~82       | 20~107      |
|  | PM <sub>2.5</sub> 日平均值<br>( $\mu\text{g}/\text{m}^3$ ) |                                     | 7~33        | 9~39        | 7~32        |
|  | 風速   |                                     | 0.9~4.0     | 0.6~3.5     | 0.5~3.1     |
| 風向   | 10 月   | 北                                   | 北           | 北           |             |
|  | 11 月   | 北                                   | 北           | 北           |             |
|  | 12 月   | 北                                   | 北           | 北           |             |
| 三、摘要：  |  |                                     |             |             |             |
| 本季空氣品質各監測項目，除懸浮微粒(PM <sub>10</sub> )、細懸浮微粒(PM <sub>2.5</sub> )監測項目有超標外，其餘監測項目均符合空氣品質標準，無異常狀況。<br>異常原因：本季各測站 11~12 月部份天數之 PM <sub>10</sub> 、PM <sub>2.5</sub> 測值有高於空氣品質標準之情形，經與興達發電廠附近環境部空氣品質測站統計資料比較後，環境部各測站之 PM <sub>10</sub> 、PM <sub>2.5</sub> 測值亦出現超標或測值偏高情形，且文南、文賢及鹽田測站之 PM <sub>10</sub> 、PM <sub>2.5</sub> 日平均值濃度變化與環境部各測站趨勢具一致性。另根據環境部每日空氣品質概況資料及新聞媒體報導，本季 PM <sub>10</sub> 、PM <sub>2.5</sub> 測值超標期間因受東北季風增強，東北風挾帶境外污染移入或環境風場偏東風影響，中南部位於下風處或背風側，擴散條件較差，污染物容易累積，南部地區為「橘色提醒」或「紅色警示」等級，故研判本季各測站 PM <sub>10</sub> 、PM <sub>2.5</sub> 測值超標之主要原因，應均屬整體區域空氣品質不佳所致。<br>然興達發電廠於本季曾有多次配合高雄市環境保護局實施減排降載機制，減少空氣污染排放。<br>本監測工作將持續注意監測結果，並隨時與環境部監測資料相比較，以便一旦發現任何異常之現象時能追蹤原因，採取適當因應對策。 |  |                                     |             |             |             |

| <b>噪音振動</b><br>一、項目：<br>(一) 噪音： $L_{eq}$ 、 $L_{max}$ 、 $L_{日}$ 、 $L_{晚}$ 、 $L_{夜}$<br>(二) 振動： $L_{Veq}$ 、 $L_{Vmax}$ 、 $L_{V10日}$ 、 $L_{V10夜}$<br>二、地點：<br>(一) 保寧宮附近<br>(二) 新港國小附近<br>(三) 永安聚落附近<br>(四) 鹽田生態中心附近<br>(五) 興達巷民宅<br>三、頻度：<br>每季 1 次  | 一、執行情形：由南台灣環境科技股份有限公司辦理。   |            |           |            |           |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
|---|--|------------|-----------|------------|-----------|----------|------------|------------|-----------|--|-----------|--------|--|--|--|-------|-----------|-------|------|------|--------|------|------|--------|------|--------|------|------|------|--------|----------|------|------|------|------|----------|------|------|------|------|------|-------|------|------|------|------|------|
|   | <table border="1"> <tr> <th>項目、日期</th> <th>測站</th> <th>保寧宮附近</th> <th>永安聚落附近</th> <th>新港國小附近</th> <th>鹽田生態中心附近</th> <th>興達巷民宅</th> </tr> <tr> <td>(一) 噪音：<math>L_{eq}</math>、<math>L_{max}</math>、<math>L_{日}</math>、<math>L_{晚}</math>、<math>L_{夜}</math><br/>(二) 振動：<math>L_{Veq}</math>、<math>L_{Vmax}</math>、<math>L_{V10日}</math>、<math>L_{V10夜}</math></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> |            | 項目、日期     | 測站         | 保寧宮附近     | 永安聚落附近   | 新港國小附近     | 鹽田生態中心附近   | 興達巷民宅     | (一) 噪音： $L_{eq}$ 、 $L_{max}$ 、 $L_{日}$ 、 $L_{晚}$ 、 $L_{夜}$<br>(二) 振動： $L_{Veq}$ 、 $L_{Vmax}$ 、 $L_{V10日}$ 、 $L_{V10夜}$ |           |        |  |  |  |       | 114.10.30 |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
|   | 項目、日期  | 測站         | 保寧宮附近     | 永安聚落附近     | 新港國小附近    | 鹽田生態中心附近 | 興達巷民宅      |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
|   | (一) 噪音： $L_{eq}$ 、 $L_{max}$ 、 $L_{日}$ 、 $L_{晚}$ 、 $L_{夜}$<br>(二) 振動： $L_{Veq}$ 、 $L_{Vmax}$ 、 $L_{V10日}$ 、 $L_{V10夜}$   |            |           |            |           |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
|   | 二、監測結果：<br>(一) 噪音：   |            |           |            |           |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| 單位：dB(A)  |  |            |           |            |           |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
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| 項目  | $L_{日}$  | $L_{晚}$    | $L_{夜}$   | $L_{eq}$   | $L_{max}$ |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| 測站、監測值  |  |            |           |            |           |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| 保寧宮附近   | 73.4   | 69.0       | 66.4      | 71.8       | 97.0      |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| 永安聚落附近  | 66.4   | 59.9       | 56.9      | 64.4       | 91.7      |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| 新港國小附近  | 48.0   | 44.6       | 46.2      | 47.2       | 71.8      |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| 鹽田生態中心附近  | 54.2   | 46.1       | 44.7      | 52.2       | 82.7      |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| 興達巷民宅   | 50.5   | 47.4       | 45.5      | 49.1       | 83.9      |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| (二) 振動：   |  |            |           |            |           |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| 單位：dB   |  |            |           |            |           |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
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| 項目  | $L_{V10日}$   | $L_{V10夜}$ | $L_{Veq}$ | $L_{Vmax}$ |           |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| 測站、監測值  |  |            |           |            |           |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| 保寧宮附近   | 42.9   | 34.1       | 41.0      | 66.1       |           |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| 永安聚落附近  | 30.1   | 30.0       | 30.0      | 54.7       |           |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| 新港國小附近  | 30.0   | 30.0       | 30.0      | 51.3       |           |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| 鹽田生態中心附近  | 36.5   | 30.0       | 34.8      | 57.1       |           |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| 興達巷民宅   | 30.0   | 30.0       | 30.0      | 43.3       |           |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |
| 三、摘要：<br>本季各測站各時段均能音量測值均符合該管制區音量標準；各測站各時段振動測值均符合日本振動規制法施行細則參考標準。  |  |            |           |            |           |          |            |            |           |  |           |        |  |  |  |       |           |       |      |      |        |      |      |        |      |        |      |      |      |        |          |      |      |      |      |          |      |      |      |      |      |       |      |      |      |      |      |

  

| <b>營建噪音</b><br>一、項目：<br>$L_{eq}$ 、 $L_{max}$ (含低頻噪音)<br>二、地點：<br>廠區南側周界<br>三、頻度：<br>每月 1 次   | 一、執行情形：由南台灣環境科技股份有限公司辦理。  |        |        |        |                              |        |                               |        |          |  |      |      |      |           |  |      |      |      |              |  |      |      |      |               |  |      |      |      |
|--|---|--------|--------|--------|------------------------------|--------|-------------------------------|--------|----------|--|------|------|------|-----------|--|------|------|------|--------------|--|------|------|------|---------------|--|------|------|------|
|  | <table border="1"> <tr> <th>項目、日期</th> <th>測站</th> </tr> <tr> <td><math>L_{eq}</math>、<math>L_{max}</math>(含低頻噪音)</td> <td>廠區南側周界</td> </tr> </table> |        | 項目、日期  | 測站     | $L_{eq}$ 、 $L_{max}$ (含低頻噪音) | 廠區南側周界 | 114.10.03、114.11.07、114.12.05 |        |          |  |      |      |      |           |  |      |      |      |              |  |      |      |      |               |  |      |      |      |
|  | 項目、日期   | 測站     |        |        |                              |        |                               |        |          |  |      |      |      |           |  |      |      |      |              |  |      |      |      |               |  |      |      |      |
|  | $L_{eq}$ 、 $L_{max}$ (含低頻噪音)  | 廠區南側周界 |        |        |                              |        |                               |        |          |  |      |      |      |           |  |      |      |      |              |  |      |      |      |               |  |      |      |      |
|  | 二、監測結果：   |        |        |        |                              |        |                               |        |          |  |      |      |      |           |  |      |      |      |              |  |      |      |      |               |  |      |      |      |
| 單位：dB(A)   |   |        |        |        |                              |        |                               |        |          |  |      |      |      |           |  |      |      |      |              |  |      |      |      |               |  |      |      |      |
| <table border="1"> <thead> <tr> <th>項目、監測值</th> <th>日期</th> <th>114.10</th> <th>114.11</th> <th>114.12</th> </tr> </thead> <tbody> <tr> <td><math>L_{eq}</math></td> <td></td> <td>47.9</td> <td>48.5</td> <td>49.9</td> </tr> <tr> <td><math>L_{max}</math></td> <td></td> <td>52.6</td> <td>59.4</td> <td>61.2</td> </tr> <tr> <td><math>L_{eq, LF}</math></td> <td></td> <td>38.2</td> <td>42.2</td> <td>38.3</td> </tr> <tr> <td><math>L_{max, LF}</math></td> <td></td> <td>42.2</td> <td>45.2</td> <td>42.5</td> </tr> </tbody> </table> |   |        |        | 項目、監測值 | 日期                           | 114.10 | 114.11                        | 114.12 | $L_{eq}$ |  | 47.9 | 48.5 | 49.9 | $L_{max}$ |  | 52.6 | 59.4 | 61.2 | $L_{eq, LF}$ |  | 38.2 | 42.2 | 38.3 | $L_{max, LF}$ |  | 42.2 | 45.2 | 42.5 |
| 項目、監測值   | 日期  | 114.10 | 114.11 | 114.12 |                              |        |                               |        |          |  |      |      |      |           |  |      |      |      |              |  |      |      |      |               |  |      |      |      |
| $L_{eq}$   |   | 47.9   | 48.5   | 49.9   |                              |        |                               |        |          |  |      |      |      |           |  |      |      |      |              |  |      |      |      |               |  |      |      |      |
| $L_{max}$  |   | 52.6   | 59.4   | 61.2   |                              |        |                               |        |          |  |      |      |      |           |  |      |      |      |              |  |      |      |      |               |  |      |      |      |
| $L_{eq, LF}$   |   | 38.2   | 42.2   | 38.3   |                              |        |                               |        |          |  |      |      |      |           |  |      |      |      |              |  |      |      |      |               |  |      |      |      |
| $L_{max, LF}$  |   | 42.2   | 45.2   | 42.5   |                              |        |                               |        |          |  |      |      |      |           |  |      |      |      |              |  |      |      |      |               |  |      |      |      |
| 三、摘要：<br>本季均符合該管制區營建工程噪音音量管制標準及營建工程低頻噪音音量管制標準(第二類管制區)。   |   |        |        |        |                              |        |                               |        |          |  |      |      |      |           |  |      |      |      |              |  |      |      |      |               |  |      |      |      |

| <b>交通流量</b><br><b>一、項目：</b><br>(一) 各類型車流量<br>(二) 道路服務水準<br><b>二、地點：</b><br>(一) 保安路-鹽保路口<br>(二) 保安路-永安路口<br>(三) 保安路-新華路口<br>(四) 永達路-永達路 7 巷口<br>(五) 石斑路<br><b>三、頻度：</b><br>每季 1 次  | <b>一、執行情形：</b> 由南台灣環境科技股份有限公司辦理。   |                 |                 |                 |                 |                 |                 |                 |                          |                 |                 |   |                 |                 |                 |                 |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
|---|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------------|-----------------|-----------------|---|-----------------|-----------------|-----------------|-----------------|-------|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|------------|------|-----|------|------|------|------|------|------|-----|-----|-----|------|------|-----|-----|-----|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|--|--|--|--|
|   | <table border="1"> <tr> <th>項目、日期</th> <th>測站</th> <th>保安路-鹽保路口</th> <th>保安路-永安路口</th> <th>保安路-新華路口</th> <th>永達路-永達路 7 巷口</th> <th>石斑路</th> </tr> <tr> <td>(一) 各類型車流量<br/>(二) 道路服務水準</td> <td></td> <td colspan="5">114.10.30</td> </tr> </table>  | 項目、日期           | 測站              | 保安路-鹽保路口        | 保安路-永安路口        | 保安路-新華路口        | 永達路-永達路 7 巷口    | 石斑路             | (一) 各類型車流量<br>(二) 道路服務水準 |                 | 114.10.30       |   |                 |                 |                 |                 |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
|   | 項目、日期  | 測站              | 保安路-鹽保路口        | 保安路-永安路口        | 保安路-新華路口        | 永達路-永達路 7 巷口    | 石斑路             |                 |                          |                 |                 |   |                 |                 |                 |                 |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
|   | (一) 各類型車流量<br>(二) 道路服務水準   |                 | 114.10.30       |                 |                 |                 |                 |                 |                          |                 |                 |   |                 |                 |                 |                 |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| <b>二、監測結果：</b><br>(一)各類型車流量：<br><div style="text-align: right;">單位：PCU</div> <table border="1"> <tr> <th>項目</th> <th>範圍值</th> </tr> <tr> <td>機車</td> <td>11~458</td> </tr> <tr> <td>小型車</td> <td>18~685</td> </tr> <tr> <td>大型車</td> <td>3~130</td> </tr> <tr> <td>特種車</td> <td>1~194</td> </tr> </table> |  |                 |                 |                 |                 |                 | 項目              | 範圍值             | 機車                       | 11~458          | 小型車             | 18~685  | 大型車             | 3~130           | 特種車             | 1~194           |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| 項目  | 範圍值  |                 |                 |                 |                 |                 |                 |                 |                          |                 |                 |   |                 |                 |                 |                 |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| 機車  | 11~458   |                 |                 |                 |                 |                 |                 |                 |                          |                 |                 |   |                 |                 |                 |                 |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| 小型車   | 18~685   |                 |                 |                 |                 |                 |                 |                 |                          |                 |                 |   |                 |                 |                 |                 |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| 大型車   | 3~130  |                 |                 |                 |                 |                 |                 |                 |                          |                 |                 |   |                 |                 |                 |                 |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| 特種車   | 1~194  |                 |                 |                 |                 |                 |                 |                 |                          |                 |                 |   |                 |                 |                 |                 |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| <b>(二)道路服務水準：</b><br>本季台 17 線保安路各路段為 A~B 級服務水準；其餘路段為 A~D 級服務水準。<br><b>三、摘要：</b><br>無。   |  |                 |                 |                 |                 |                 |                 |                 |                          |                 |                 |   |                 |                 |                 |                 |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| <b>海域水質</b><br><b>一、項目：</b><br>水溫、pH、生化需氧量、透明度、懸浮固體、鹽度、氮氮、硝酸鹽氮、亞硝酸鹽氮、溶氧量、油脂、正磷酸鹽、總磷、總殘餘氧化劑濃度、矽酸鹽等 15 項<br><b>二、地點：</b><br>(一) 測站 2、11、18、19、20、26、27、28(含表層及底層)，共計 8 站<br>(二) 溫排水及鹵水會合處(鹽度)<br><b>三、頻度：</b><br>每季 1 次   | <b>一、執行情形：</b> 由南台灣環境科技股份有限公司辦理。   |                 |                 |                 |                 |                 |                 |                 |                          |                 |                 |   |                 |                 |                 |                 |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
|   | <table border="1"> <tr> <th>項目、日期</th> <th>測站</th> <th>測站 2</th> <th>測站 11</th> <th>測站 18</th> <th>測站 19</th> <th>測站 20</th> <th>測站 26</th> <th>測站 27</th> <th>測站 28</th> </tr> <tr> <td>水溫、pH、生化需氧量、透明度、懸浮固體、鹽度、氮氮、硝酸鹽氮、亞硝酸鹽氮、溶氧量、油脂、正磷酸鹽、總磷、總殘餘氧化劑濃度、矽酸鹽</td> <td></td> <td colspan="8">114.10.29</td> </tr> </table>  | 項目、日期           | 測站              | 測站 2            | 測站 11           | 測站 18           | 測站 19           | 測站 20           | 測站 26                    | 測站 27           | 測站 28           | 水溫、pH、生化需氧量、透明度、懸浮固體、鹽度、氮氮、硝酸鹽氮、亞硝酸鹽氮、溶氧量、油脂、正磷酸鹽、總磷、總殘餘氧化劑濃度、矽酸鹽 |                 | 114.10.29       |                 |                 |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
|   | 項目、日期  | 測站              | 測站 2            | 測站 11           | 測站 18           | 測站 19           | 測站 20           | 測站 26           | 測站 27                    | 測站 28           |                 |   |                 |                 |                 |                 |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
|   | 水溫、pH、生化需氧量、透明度、懸浮固體、鹽度、氮氮、硝酸鹽氮、亞硝酸鹽氮、溶氧量、油脂、正磷酸鹽、總磷、總殘餘氧化劑濃度、矽酸鹽  |                 | 114.10.29       |                 |                 |                 |                 |                 |                          |                 |                 |   |                 |                 |                 |                 |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
|   | <b>二、監測結果：</b><br>(一) 測站 2、11、18、19、20、26、27、28  |                 |                 |                 |                 |                 |                 |                 |                          |                 |                 |   |                 |                 |                 |                 |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
|   | <table border="1"> <tr> <th rowspan="2">項目</th> <th colspan="2">測站 2</th> <th colspan="2">測站 11</th> <th colspan="2">測站 18</th> <th colspan="2">測站 19</th> <th colspan="2">測站 20</th> <th colspan="2">測站 26</th> <th colspan="2">測站 27</th> <th colspan="2">測站 28</th> </tr> <tr> <th>表層</th> <th>底層</th> <th>表層</th> <th>底層</th> <th>表層</th> <th>底層</th> <th>表層</th> <th>底層</th> <th>表層</th> <th>底層</th> <th>表層</th> <th>底層</th> <th>表層</th> <th>底層</th> <th>表層</th> <th>底層</th> </tr> <tr> <td>水溫(°C)</td> <td>26.9</td> <td>26.7</td> <td>28.1</td> <td>27.9</td> <td>28.0</td> <td>27.9</td> <td>28.2</td> <td>28.0</td> <td>28.4</td> <td>28.2</td> <td>27.9</td> <td>27.7</td> <td>28.8</td> <td>28.5</td> <td>28.5</td> <td>28.3</td> </tr> <tr> <td>pH</td> <td>8.1</td> <td>8.1</td> <td>8.2</td> <td>8.2</td> <td>8.2</td> <td>8.2</td> <td>8.2</td> <td>8.2</td> <td>8.2</td> <td>8.1</td> <td>8.1</td> <td>8.1</td> <td>8.2</td> <td>8.1</td> <td>8.2</td> <td>8.1</td> </tr> <tr> <td>透明度(m)</td> <td>1.1</td> <td>-</td> <td>3.4</td> <td>-</td> <td>5.4</td> <td>-</td> <td>4.4</td> <td>-</td> <td>3.4</td> <td>-</td> <td>2.0</td> <td>-</td> <td>4.3</td> <td>-</td> <td>5.4</td> <td>-</td> </tr> <tr> <td>懸浮固體(mg/L)</td> <td>19.6</td> <td>8.4</td> <td>12.4</td> <td>14.8</td> <td>11.6</td> <td>15.8</td> <td>18.2</td> <td>15.2</td> <td>8.0</td> <td>8.6</td> <td>9.6</td> <td>12.4</td> <td>13.6</td> <td>8.4</td> <td>8.3</td> <td>9.6</td> </tr> <tr> <td>生化需氧量(mg/L)</td> <td>1.0</td> <td>1.6</td> <td>1.3</td> <td>1.5</td> <td>1.8</td> <td>1.5</td> <td>1.1</td> <td>1.4</td> <td>1.5</td> <td>1.4</td> <td>1.5</td> <td>1.6</td> <td>1.3</td> <td>1.4</td> <td>1.6</td> <td>1.0</td> </tr> <tr> <td>油脂(mg/L)</td> <td>&lt;0.5<br/>(0.400)</td> <td>&lt;0.5<br/>(0.100)</td> <td>&lt;0.5<br/>(0.316)</td> <td>&lt;0.5<br/>(0.208)</td> <td>&lt;0.5<br/>(0.202)</td> <td>&lt;0.5<br/>(0.100)</td> <td>&lt;0.5<br/>(0.408)</td> <td>&lt;0.5<br/>(0.103)</td> <td>&lt;0.5<br/>(0.100)</td> <td>&lt;0.5<br/>(0.101)</td> <td>&lt;0.5<br/>(0.309)</td> <td>&lt;0.5<br/>(0.202)</td> <td>&lt;0.5<br/>(0.206)</td> <td>&lt;0.5<br/>(0.200)</td> <td>&lt;0.5<br/>(0.202)</td> <td>&lt;0.5<br/>(0.102)</td> </tr> <tr> <td>矽酸鹽(mg SiO<sub>2</sub>/L)</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> <td>ND</td> </tr> <tr> <td>鹽度(psu)</td> <td>28.9</td> <td>28.9</td> <td>32.4</td> <td>32.4</td> <td>32.5</td> <td>32.5</td> <td>32.6</td> <td>32.4</td> <td>32.4</td> <td>32.4</td> <td>31.7</td> <td>31.7</td> <td>32.5</td> <td>32.5</td> <td>32.5</td> <td>32.4</td> </tr> <tr> <td>溶氧(mg/L)</td> <td>6.3</td> <td>6.2</td> <td>6.2</td> <td>6.2</td> <td>6.4</td> <td>6.3</td> <td>6.3</td> <td>6.3</td> <td>6.2</td> <td>6.1</td> <td>6.3</td> <td>6.2</td> <td>6.3</td> <td>6.3</td> <td>6.4</td> <td>6.5</td> </tr> <tr> <td>總殘餘氧化劑(mg/L as Cl<sub>2</sub>)</td> <td>0.215</td> <td>0.215</td> <td>0.167</td> <td>0.167</td> <td>0.145</td> <td>0.134</td> <td>0.140</td> <td>0.140</td> <td>0.156</td> <td>0.145</td> <td>0.172</td> <td>0.156</td> <td>0.134</td> <td>0.151</td> <td>0.161</td> <td>0.172</td> </tr> </table> | 項目              | 測站 2            |                 | 測站 11           |                 | 測站 18           |                 | 測站 19                    |                 | 測站 20           |   | 測站 26           |                 | 測站 27           |                 | 測站 28 |  | 表層 | 底層 | 表層 | 底層 | 表層 | 底層 | 表層 | 底層 | 表層 | 底層 | 表層 | 底層 | 表層 | 底層 | 表層 | 底層 | 水溫(°C) | 26.9 | 26.7 | 28.1 | 27.9 | 28.0 | 27.9 | 28.2 | 28.0 | 28.4 | 28.2 | 27.9 | 27.7 | 28.8 | 28.5 | 28.5 | 28.3 | pH | 8.1 | 8.1 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.1 | 8.1 | 8.1 | 8.2 | 8.1 | 8.2 | 8.1 | 透明度(m) | 1.1 | - | 3.4 | - | 5.4 | - | 4.4 | - | 3.4 | - | 2.0 | - | 4.3 | - | 5.4 | - | 懸浮固體(mg/L) | 19.6 | 8.4 | 12.4 | 14.8 | 11.6 | 15.8 | 18.2 | 15.2 | 8.0 | 8.6 | 9.6 | 12.4 | 13.6 | 8.4 | 8.3 | 9.6 | 生化需氧量(mg/L) | 1.0 | 1.6 | 1.3 | 1.5 | 1.8 | 1.5 | 1.1 | 1.4 | 1.5 | 1.4 | 1.5 | 1.6 | 1.3 | 1.4 | 1.6 | 1.0 | 油脂(mg/L) | <0.5<br>(0.400) | <0.5<br>(0.100) | <0.5<br>(0.316) | <0.5<br>(0.208) | <0.5<br>(0.202) | <0.5<br>(0.100) | <0.5<br>(0.408) | <0.5<br>(0.103) | <0.5<br>(0.100) | <0.5<br>(0.101) | <0.5<br>(0.309) | <0.5<br>(0.202) | <0.5<br>(0.206) | <0.5<br>(0.200) | <0.5<br>(0.202) | <0.5<br>(0.102) | 矽酸鹽(mg SiO <sub>2</sub> /L) | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 鹽度(psu) | 28.9 | 28.9 | 32.4 | 32.4 | 32.5 | 32.5 | 32.6 | 32.4 | 32.4 | 32.4 | 31.7 | 31.7 | 32.5 | 32.5 | 32.5 | 32.4 | 溶氧(mg/L) | 6.3 | 6.2 | 6.2 | 6.2 | 6.4 | 6.3 | 6.3 | 6.3 | 6.2 | 6.1 | 6.3 | 6.2 | 6.3 | 6.3 | 6.4 | 6.5 | 總殘餘氧化劑(mg/L as Cl <sub>2</sub> ) | 0.215 | 0.215 | 0.167 | 0.167 | 0.145 | 0.134 | 0.140 | 0.140 | 0.156 | 0.145 | 0.172 | 0.156 | 0.134 | 0.151 | 0.161 | 0.172 |  |  |  |  |  |  |  |  |  |
|   | 項目   |                 | 測站 2            |                 | 測站 11           |                 | 測站 18           |                 | 測站 19                    |                 | 測站 20           |   | 測站 26           |                 | 測站 27           |                 | 測站 28 |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
|   |  | 表層              | 底層              | 表層              | 底層              | 表層              | 底層              | 表層              | 底層                       | 表層              | 底層              | 表層  | 底層              | 表層              | 底層              | 表層              | 底層    |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
|   | 水溫(°C)   | 26.9            | 26.7            | 28.1            | 27.9            | 28.0            | 27.9            | 28.2            | 28.0                     | 28.4            | 28.2            | 27.9  | 27.7            | 28.8            | 28.5            | 28.5            | 28.3  |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
|   | pH   | 8.1             | 8.1             | 8.2             | 8.2             | 8.2             | 8.2             | 8.2             | 8.2                      | 8.2             | 8.1             | 8.1   | 8.1             | 8.2             | 8.1             | 8.2             | 8.1   |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| 透明度(m)  | 1.1  | -               | 3.4             | -               | 5.4             | -               | 4.4             | -               | 3.4                      | -               | 2.0             | -   | 4.3             | -               | 5.4             | -               |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| 懸浮固體(mg/L)  | 19.6   | 8.4             | 12.4            | 14.8            | 11.6            | 15.8            | 18.2            | 15.2            | 8.0                      | 8.6             | 9.6             | 12.4  | 13.6            | 8.4             | 8.3             | 9.6             |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| 生化需氧量(mg/L)   | 1.0  | 1.6             | 1.3             | 1.5             | 1.8             | 1.5             | 1.1             | 1.4             | 1.5                      | 1.4             | 1.5             | 1.6   | 1.3             | 1.4             | 1.6             | 1.0             |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| 油脂(mg/L)  | <0.5<br>(0.400)  | <0.5<br>(0.100) | <0.5<br>(0.316) | <0.5<br>(0.208) | <0.5<br>(0.202) | <0.5<br>(0.100) | <0.5<br>(0.408) | <0.5<br>(0.103) | <0.5<br>(0.100)          | <0.5<br>(0.101) | <0.5<br>(0.309) | <0.5<br>(0.202)   | <0.5<br>(0.206) | <0.5<br>(0.200) | <0.5<br>(0.202) | <0.5<br>(0.102) |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| 矽酸鹽(mg SiO <sub>2</sub> /L)   | ND   | ND              | ND              | ND              | ND              | ND              | ND              | ND              | ND                       | ND              | ND              | ND  | ND              | ND              | ND              | ND              |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| 鹽度(psu)   | 28.9   | 28.9            | 32.4            | 32.4            | 32.5            | 32.5            | 32.6            | 32.4            | 32.4                     | 32.4            | 31.7            | 31.7  | 32.5            | 32.5            | 32.5            | 32.4            |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| 溶氧(mg/L)  | 6.3  | 6.2             | 6.2             | 6.2             | 6.4             | 6.3             | 6.3             | 6.3             | 6.2                      | 6.1             | 6.3             | 6.2   | 6.3             | 6.3             | 6.4             | 6.5             |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |
| 總殘餘氧化劑(mg/L as Cl <sub>2</sub> )  | 0.215  | 0.215           | 0.167           | 0.167           | 0.145           | 0.134           | 0.140           | 0.140           | 0.156                    | 0.145           | 0.172           | 0.156   | 0.134           | 0.151           | 0.161           | 0.172           |       |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |     |   |     |   |     |   |     |   |     |   |     |   |     |   |     |   |            |      |     |      |      |      |      |      |      |     |     |     |      |      |     |     |     |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |

|  |   |                    |                |                    |                    |                 |                    |                    |                    |                 |                    |       |       |                    |                    |                    |                    |  |
|--|---|--------------------|----------------|--------------------|--------------------|-----------------|--------------------|--------------------|--------------------|-----------------|--------------------|-------|-------|--------------------|--------------------|--------------------|--------------------|--|
|  | 亞硝酸鹽<br>氮(mg/L)   | 0.05               | 0.04           | 0.02               | 0.02               | 0.02            | 0.02               | 0.02               | 0.02               | 0.02            | 0.02               | 0.01  | 0.01  | 0.02               | 0.02               | 0.01               | 0.02               |  |
|  | 正磷酸鹽<br>(mg P/L)  | 0.129              | 0.129          | <0.020<br>(0.0157) | <0.020<br>(0.0125) | 0.027           | <0.020<br>(0.0108) | <0.020<br>(0.0092) | <0.020<br>(0.0108) | 0.021           | <0.020<br>(0.0174) | 0.052 | 0.057 | <0.020<br>(0.0108) | <0.020<br>(0.0092) | <0.020<br>(0.0125) | <0.020<br>(0.0141) |  |
|  | 總磷酸鹽<br>(mg/L)  | 0.179              | 0.183          | 0.043              | 0.043              | 0.066           | 0.070              | 0.033              | 0.027              | 0.048           | 0.050              | 0.079 | 0.079 | 0.022              | 0.050              | 0.033              | 0.025              |  |
|  | 硝酸鹽氮<br>(mg/L)  | 0.21               | 0.21           | <0.01<br>(0.0310)  | 0.01               | 0.02            | <0.01<br>(0.0425)  | 0.03               | 0.02               | 0.02            | 0.03               | 0.05  | 0.05  | <0.01<br>(0.0243)  | ND                 | 0.02               | 0.01               |  |
|  | 氨氮<br>(mg/L)  | 0.27               | 0.29           | 0.04               | 0.04               | 0.05            | 0.06               | 0.02               | 0.06               | 0.05            | 0.04               | 0.13  | 0.12  | 0.06               | 0.04               | 0.05               | 0.05               |  |
| <b>(二) 溫排水及鹵水會合處</b>   |   |                    |                |                    |                    |                 |                    |                    |                    |                 |                    |       |       |                    |                    |                    |                    |  |
| 項目   |   |                    |                |                    |                    |                 |                    |                    |                    | 測值              |                    |       |       |                    |                    |                    |                    |  |
| 鹽度(psu)  |   |                    |                |                    |                    |                 |                    |                    |                    | 33.4            |                    |       |       |                    |                    |                    |                    |  |
| <b>三、摘要：</b>   |   |                    |                |                    |                    |                 |                    |                    |                    |                 |                    |       |       |                    |                    |                    |                    |  |
| <p>本季海域水質之監測結果，興達發電廠附近海域各測站各測項之測值，除測站 2 表底層之總磷測值超過乙類海域海洋環境品質標準外，其餘各測站各測項之測值均符合乙類海域海洋環境品質標準。測站 2 表底層之總磷測值超標原因，推測該測站位於二仁溪出海口附近，大量陸源污染物匯入該處，導致營養鹽濃度偏高所致，應與電廠無直接關聯性。</p> |   |                    |                |                    |                    |                 |                    |                    |                    |                 |                    |       |       |                    |                    |                    |                    |  |
| <b>海域生態</b>  | <b>一、執行情形：</b> 由國立東華大學孟培傑教授研究團隊辦理。                                  |                    |                |                    |                    |                 |                    |                    |                    |                 |                    |       |       |                    |                    |                    |                    |  |
|  | <b>一、項目：</b><br>植物性浮游生物、動物性浮游生物、底棲生物及魚類                             | 測站                 |                | 測站 2               | 測站 11              | 測站 18           | 測站 19              | 測站 20              | 測站 26              | 測站 27           | 測站 28              |       |       |                    |                    |                    |                    |  |
|  |   | 項目、日期              |                | 114.10.29          |                    |                 |                    |                    |                    |                 |                    |       |       |                    |                    |                    |                    |  |
|  | <b>二、地點：</b><br>浮游生物及魚類：同海域水質監測地點，共 8 處測站<br>底棲生物：同海域水質監測地點，共 8 處測站 | <b>二、監測結果：</b>     |                |                    |                    |                 |                    |                    |                    |                 |                    |       |       |                    |                    |                    |                    |  |
|  |   | <b>(一) 植物性浮游生物</b> |                |                    |                    |                 |                    |                    |                    |                 |                    |       |       |                    |                    |                    |                    |  |
|  |   | 測站                 | 測站 2           | 測站 11              | 測站 18              | 測站 19           | 測站 20              | 測站 26              | 測站 27              | 測站 28           |                    |       |       |                    |                    |                    |                    |  |
|  | 項目、監測值  |                    |                |                    |                    |                 |                    |                    |                    |                 |                    |       |       |                    |                    |                    |                    |  |
|  | 細胞密度<br>(cells/L)   |                    | 7280~<br>14560 | 14560~<br>18880    | 27120~<br>40640    | 43360~<br>47360 | 60480~<br>101760   | 27040~<br>35120    | 30480~<br>40000    | 22560~<br>32880 |                    |       |       |                    |                    |                    |                    |  |
|  | 種類數目  |                    | 12~17          | 13~14              | 14~17              | 13~14           | 13~16              | 11~13              | 7~14               | 12~14           |                    |       |       |                    |                    |                    |                    |  |
|  | 歧異度指數<br>( <i>H'</i> )  |                    | 1.77~2.21      | 1.84~2.01          | 1.50~1.60          | 1.41~1.72       | 1.43~1.65          | 1.26~1.88          | 0.77~1.71          | 1.41~1.77       |                    |       |       |                    |                    |                    |                    |  |
|  | <b>(二) 動物性浮游生物</b>  |                    |                |                    |                    |                 |                    |                    |                    |                 |                    |       |       |                    |                    |                    |                    |  |
|  |   | 測站                 | 測站 2           | 測站 11              | 測站 18              | 測站 19           | 測站 20              | 測站 26              | 測站 27              | 測站 28           |                    |       |       |                    |                    |                    |                    |  |
|  | 項目、監測值  |                    |                |                    |                    |                 |                    |                    |                    |                 |                    |       |       |                    |                    |                    |                    |  |
| 總豐度<br>(ind./10 <sup>3</sup> m <sup>3</sup> )  |   | 20993              | 29513          | 42846              | 22063              | 15998           | 35447              | 7569               | 15129              |                 |                    |       |       |                    |                    |                    |                    |  |
| 生物量<br>(mL/10 <sup>3</sup> m <sup>3</sup> )  |   | 58                 | 68             | 33                 | 24                 | 25              | 47                 | 19                 | 19                 |                 |                    |       |       |                    |                    |                    |                    |  |
| 類群數  |   | 15                 | 20             | 19                 | 17                 | 16              | 17                 | 13                 | 14                 |                 |                    |       |       |                    |                    |                    |                    |  |
| 歧異度指數<br>( <i>H'</i> )   |   | 1.94               | 2.04           | 1.93               | 1.96               | 1.88            | 2.03               | 1.70               | 1.98               |                 |                    |       |       |                    |                    |                    |                    |  |
| 豐富度指數<br>( <i>d</i> )  |   | 1.41               | 1.85           | 1.69               | 1.60               | 1.55            | 1.53               | 1.34               | 1.35               |                 |                    |       |       |                    |                    |                    |                    |  |
| 均勻度指數<br>( <i>J'</i> )   |   | 0.71               | 0.68           | 0.65               | 0.69               | 0.68            | 0.72               | 0.66               | 0.75               |                 |                    |       |       |                    |                    |                    |                    |  |

|                                   |  |  |                            |                 |        |           |                   |        |         |         |
|-----------------------------------|--|--|----------------------------|-----------------|--------|-----------|-------------------|--------|---------|---------|
|                                   |  | <b>(三) 底棲生物</b>  |                            |                 |        |           |                   |        |         |         |
|                                   |  | 測站   | 測站 2                       | 測站 11           | 測站 18  | 測站 19     | 測站 20             | 測站 26  | 測站 27   | 測站 28   |
| 項目、監測值                            |  |  |                            |                 |        |           |                   |        |         |         |
| 個體量                               |  |  | 6                          | 7               | 15     | 29        | 40                | 8      | 27      | 26      |
| 種類數                               |  |  | 4                          | 4               | 7      | 7         | 9                 | 7      | 9       | 7       |
| 歧異度指數 (H')                        |  |  | 1.33                       | 1.154           | 1.679  | 1.5       | 1.928             | 1.906  | 1.982   | 1.461   |
|                                   |  | <b>(四) 魚類</b>  |                            |                 |        |           |                   |        |         |         |
|                                   |  | 測站   | 測站 2                       | 測站 11           | 測站 18  | 測站 19     | 測站 20             | 測站 26  | 測站 27   | 測站 28   |
| 項目、監測值                            |  |  |                            |                 |        |           |                   |        |         |         |
| 種類數                               |  |  | 14                         | 5               | 6      | 6         | 7                 | 6      | 5       | 4       |
| 個體量                               |  |  | 30                         | 9               | 11     | 9         | 14                | 9      | 10      | 10      |
| 總重量(g)                            |  |  | 1066.77                    | 1678.81         | 834.84 | 1048.87   | 957.73            | 1152.5 | 1446.96 | 1016.91 |
| 歧異度指數 (H')                        |  |  | 2.468                      | 1.465           | 1.594  | 1.735     | 1.567             | 1.735  | 1.471   | 1.168   |
|                                   |  | 三、摘要：  |                            |                 |        |           |                   |        |         |         |
|                                   |  | (一) 植物性浮游生物：本季共計 6 類群 32 種，優勢種為角毛藻屬。   |                            |                 |        |           |                   |        |         |         |
|                                   |  | (二) 動物性浮游生物：本季共計 22 類群，優勢種為哲水蚤。  |                            |                 |        |           |                   |        |         |         |
|                                   |  | (三) 底棲生物：本季共計 3 類群 17 種，優勢種為臺灣抱蛤。  |                            |                 |        |           |                   |        |         |         |
|                                   |  | (四) 魚類：本季共計 19 科 27 種，優勢種為銀雞魚。   |                            |                 |        |           |                   |        |         |         |
| <b>陸域生態</b>                       |  | 一、執行情形：由弘益生態有限公司辦理。  |                            |                 |        |           |                   |        |         |         |
| 一、項目：                             |  | 測站   |                            | 動物：計畫區鄰近 1 公里範圍 |        |           | 植物：計畫區鄰近 500 公尺範圍 |        |         |         |
| (一) 動物(含鳥類)：動物之種類、數量、歧異度          |  | 項目、日期  |                            | 動物：計畫區鄰近 1 公里範圍 |        |           | 植物：計畫區鄰近 500 公尺範圍 |        |         |         |
| (二) 植物：自然度調查、植物樣區設置、植物之種類、歧異度、優勢種 |  | 項目、日期  |                            | 動物：計畫區鄰近 1 公里範圍 |        |           | 植物：計畫區鄰近 500 公尺範圍 |        |         |         |
|                                   |  |  |                            | 114.10.20~23    |        |           |                   |        |         |         |
|                                   |  | 二、監測結果：  |                            |                 |        |           |                   |        |         |         |
|                                   |  | (一)動物之種類、數量、歧異度  |                            |                 |        |           |                   |        |         |         |
|                                   |  | 項目   | 種數                         | 優勢種             | 歧異度    | 均勻度       |                   |        |         |         |
|                                   |  | 哺乳類  | 3 目 4 科 6 種 31 隻次          | 東亞家蝠            | 1.11   | 0.69      |                   |        |         |         |
|                                   |  | 鳥類   | 13 目 33 科 82 種<br>2,226 隻次 | 高蹺鴿             | 3.61   | 0.82      |                   |        |         |         |
|                                   |  | 爬蟲類  | 2 目 4 科 5 種 31 隻次          | 疣尾蝎虎            | 1.13   | 0.70      |                   |        |         |         |
|                                   |  | 兩生類  | 1 目 3 科 3 種 34 隻次          | 黑眶蟾蜍            | 1.00   | 0.91      |                   |        |         |         |
|                                   |  | 蝶類及蜻蜓類   | 2 目 7 科 45 種 401 隻次        | 高翔蜻蜓            | 2.97   | 0.78      |                   |        |         |         |
|                                   |  | (二)植物  |                            |                 |        |           |                   |        |         |         |
|                                   |  | 1.自然度調查：自然度 5 佔 2.27%，自然度 3 佔 0.99%，自然度 2 佔 1.56%，自然度 1 佔 62.89%，自然度 0 佔 32.29%，顯示本區域以自然度 1 及自然度 0 為主。 |                            |                 |        |           |                   |        |         |         |
|                                   |  | 2.植物之種類、歧異度、優勢種：   |                            |                 |        |           |                   |        |         |         |
|                                   |  | 項目   | 種數                         | 優勢種             | 歧異度    | 均勻度       |                   |        |         |         |
|                                   |  | 植物   | 70 科 217 屬 283 種           | 禾本科             | 0~1.59 | 0.42~1.00 |                   |        |         |         |
|                                   |  | 三、摘要：  |                            |                 |        |           |                   |        |         |         |
|                                   |  | 無。   |                            |                 |        |           |                   |        |         |         |
| 二、地點：                             |  | (一) 動物：計畫區鄰近 1 公里範圍  |                            |                 |        |           |                   |        |         |         |
|                                   |  | (二) 植物：計畫區鄰近 500 公尺範圍  |                            |                 |        |           |                   |        |         |         |
| 三、頻度：                             |  | 每季 1 次   |                            |                 |        |           |                   |        |         |         |

| <b>水域生態</b><br>一、項目：<br>植物性浮游生物、動物性浮游生物、底棲生物及魚類(物種之種類、數量、分布、優勢種)<br>二、地點：<br>計畫區鄰近淡水水域環境，共 5 個測站<br>三、頻度：<br>每季 1 次   | 一、執行情形：由弘益生態有限公司辦理。  |                                      |                          |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
|---|--|--------------------------------------|--------------------------|-------|--------------------------|----|-----|--|-----|--------------|----------------------------------|--------------------------------------|-------|------|---------|------------------------|-------|-------|---------|------|--------------------|------|------|---|------|-------------------|---------|--|--|
|   | <table border="1"> <tr> <td>項目、日期</td> <td>測站</td> <td colspan="3">計畫區鄰近淡水水域環境(5 個測站)</td> </tr> <tr> <td>植物性浮游生物、動物性浮游生物、底棲生物及魚類(物種之種類、數量、分布、優勢種)</td> <td></td> <td colspan="3">114.10.20~23</td> </tr> </table> |                                      | 項目、日期                    | 測站    | 計畫區鄰近淡水水域環境(5 個測站)       |    |     | 植物性浮游生物、動物性浮游生物、底棲生物及魚類(物種之種類、數量、分布、優勢種) |     | 114.10.20~23 |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
|   | 項目、日期  | 測站                                   | 計畫區鄰近淡水水域環境(5 個測站)       |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
|   | 植物性浮游生物、動物性浮游生物、底棲生物及魚類(物種之種類、數量、分布、優勢種)   |                                      | 114.10.20~23             |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
| 二、監測結果：   |  |                                      |                          |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
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| 項目  | 種數   | 優勢種                                  |                          |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
| 植物性浮游生物   | 3 門 10 屬 10 種<br>67,500 cells/5L   | 角毛藻屬的<br><i>Chaetoceros muelleri</i> |                          |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
| 動物性浮游生物   | 4 門 7 類群 610 ind./haul   | 有肋楯纖蟲                                |                          |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
| 底棲生物  | 4 目 5 科 8 種 70 個體數   | 紋藤壺                                  |                          |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
| 魚類  | 8 目 9 科 11 種 84 尾  | 口孵非鯽雜交魚                              |                          |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
| 三、摘要：<br>無。   |  |                                      |                          |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
| <b>電磁場</b><br>一、項目：<br>極低頻(60Hz)電場、磁場強度<br>二、地點：<br>民有路民宅附近、濱海路一段民宅附近，共 2 個測站<br>三、頻度：<br>每半年 1 次   | 一、執行情形：由國立臺灣科技大學吳啟瑞教授團隊辦理。   |                                      |                          |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
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|   | 項目、日期  | 測站                                   | 民有路民宅附近、濱海路一段民宅附近(2 個測站) |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
|   | 極低頻(60Hz)電場、磁場強度   |                                      | 114.10.30                |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
|   | 二、監測結果：  |                                      |                          |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
|   | (一)極低頻磁場   |                                      |                          |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
| 單位：mG   |  |                                      |                          |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
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| 項目  | 時段   | 最小值                                  | 最大值                      | 平均值   |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
| 濱海路一段民宅附近   | 一  | 0.35                                 | 0.39                     | 0.37  |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
|   | 二  | 0.30                                 | 0.47                     | 0.37  |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
| 民有路民宅附近   | 一  | 0.01                                 | 0.01                     | 0.01  |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
|   | 二  | 0.01                                 | 0.05                     | 0.01  |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
| (二)極低頻電場  |  |                                      |                          |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
| 單位：V/m  |  |                                      |                          |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
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| 項目  | 時段   | 最小值                                  | 最大值                      | 平均值   |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
| 濱海路一段民宅附近   | 一  | 5.00                                 | 10.00                    | 8.33  |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
|   | 二  | 16.00                                | 21.00                    | 19.33 |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
| 民有路民宅附近   | 一  | 0.00                                 | 0.00                     | 0.00  |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
|   | 二  | 5.00                                 | 5.00                     | 5.00  |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |
| 三、摘要：<br>本季極低頻磁場與電場均遠低於環境部之參考位準值(限制值)。  |  |                                      |                          |       |                          |    |     |  |     |              |                                  |                                      |       |      |         |                        |       |       |         |      |                    |      |      |   |      |                   |         |  |  |