

**SUPPLY LIST 【Taiheiyo Chlorine Bypass System】**

(as of April 2025)

| Country  | Process       | Capacity<br>(t/d) | Bypass ratio<br>(%) | Year             | Remark             |
|----------|---------------|-------------------|---------------------|------------------|--------------------|
| Thailand | FLS-1C        | 5750              | 12.0                | 2025             | Ratio-up 5.0→12.0  |
| Thailand | FLS-2C        | 10300             | 12.0                | 2025             | 12.0%=6.0% * 2Line |
| Thailand | NSP(MFC)      | 4000              | 12.0                | 2024             |                    |
| Korea    | NSP           | 5600              | 9.8                 | 2024             | Ratio-up 5.0→9.8   |
| Korea    | NSP(MFC)      | 6000              | 10.0                | 2023             | Ratio-up 5.0→10.0  |
| Korea    | NSP(RSP)      | 5600              | 9.8                 | 2023             | Ratio-up 5.0→9.8   |
| Korea    | NSP(RSP)      | 6000              | 10.0                | 2024             | Ratio-up 5.0→10.0  |
| Korea    | NSP           | 4400              | 10.0                | 2023             | Ratio-up 5.0→10.0  |
| Taiwan   | NSP           | 4600              | 4.0                 | 2022<br>On going |                    |
| Japan    | NSP (DD)      | 2257              | 10.0                | 2021             | Ratio-up 3.4→10.0  |
| Korea    | NSP (5 stage) | 4100              | 13.0                | 2021             | Ratio-up 7.0→13.0  |
| Korea    | NSP (MFC)     | 5500              | 10.0                | 2021             | Ratio-up 1.7→10.0  |
| Korea    | NSP           | 4060              | 10.0                | 2021             | Ratio-up 2.0→10.0  |
| Korea    | NSP (RSP)     | 7500              | 13.0                | 2020             | Ratio-up 9.0→13.0  |
| Korea    | NSP (RSP)     | 7500              | 13.0                | 2020             | Ratio-up 9.0→13.0  |
| Korea    | NSP (MFC)     | 8700              | 8.8                 | 2020             | Ratio-up 3.8→8.8   |
| China    |               | 3000              | 7.0                 | 2023             |                    |
| Japan    | NSP (DD)      | 4000              | 10.0                | 2019             | Ratio-up 2.4→10.0  |
| Japan    | NSP           | 4000              | 10.0                | 2018             | Ratio-up 6.7→10.0  |
| Japan    | NSP (RSP)     | 5100              | 10.0                | 2018             | Ratio-up 4.0→10.0  |
| Japan    | NSP (RSP)     | 3800              | 10.0                | 2018             | Ratio-up 6.5→10.0  |

| Country  | Process       | Capacity (t/d) | Bypass ratio (%) | Year | Remark            |
|----------|---------------|----------------|------------------|------|-------------------|
| Korea    | NSP (RSP)     | 5500           | 5.0              | 2017 |                   |
| Japan    | NSP (RSP)     | 5112           | 10.0             | 2017 | Ratio-up 5.0→10.0 |
| Korea    | NSP           | 6000           | 5.0              | 2017 |                   |
| Korea    | NSP           | 4700           | 7.0              | 2015 |                   |
| Korea    | NSP           | 4800           | 7.0              | 2015 |                   |
| Japan    | SP            | 1363           | 6.0              | 2015 | Ratio-up 3.0→6.0  |
| Thailand | NSP           | 10100          | 7.0              | 2015 |                   |
| Korea    | NSP           | 9100           | 5.0              | 2014 |                   |
| China    | NSP (SF)      | 3000           | 10.0             | 2014 |                   |
| Thailand | NSP (5 stage) | 5750           | 5.0              | 2014 |                   |
| Japan    | SP            | 4950           | 4.0              | 2014 | Ratio-up 2.0→4.0  |
| Japan    | NSP           | 6840           | 5.4              | 2014 | Ratio-up 2.4→5.4  |
| Japan    | SP            | 4000           | 7.0              | 2014 |                   |
| Malaysia | RSP           | 4000           | 3.0              | 2013 |                   |
| China    | NSP (SF)      | 2000           | 12.0             | 2013 |                   |
| Japan    | NSP (C-SF)    | 4700           | 4.8              | 2013 | Ratio-up 2.4→4.8  |
| UAE      |               | 1900           | 3.0              | 2013 |                   |
| Tanzania |               | 1500           | 12.0             | 2013 |                   |
| Japan    | NSP (RSP)     | 5100           | 7.0              | 2012 | Ratio-up 3.4→7.0  |
| Japan    | NSP (RSP)     | 2880           | 7.0              | 2012 | Ratio-up 3.5→7.0  |
| China    | NSP (SF)      | 2200           | 12.0             | 2012 |                   |
| Japan    | SP            | 4000           | 4.0              | 2012 |                   |

| Country | Process    | Capacity (t/d) | Bypass ratio (%) | Year | Remark           |
|---------|------------|----------------|------------------|------|------------------|
| Japan   | NSP (RSP)  | 3800           | 6.5              | 2012 | Ratio-up 3.0→6.5 |
| China   | NSP (RSP)  | 4600           | 3.0              | 2011 |                  |
| China   | NSP (SF)   | 3000           | 10.0             | 2011 |                  |
| Japan   | NSP (DD)   | 5000           | 10.0             | 2011 | Ratio-up 6.3→10  |
| Japan   | NSP (SLC)  | 4400           | 10.0             | 2011 |                  |
| Korea   | NSP (RSP)  | 7000           | 5.0              | 2011 |                  |
| Japan   | NSP (RSP)  | 2800           | 3.0              | 2011 |                  |
| Japan   | NSP (DD)   | 3850           | 3.0              | 2011 |                  |
| Japan   | SP         | 2736           | 6.0              | 2011 | Ratio-up 3.0→6.0 |
| Japan   | NSP        | 6840           | 2.4              | 2010 |                  |
| Japan   | SP         | 3340           | 3.9              | 2010 |                  |
| Korea   | NSP (RSP)  | 7000           | 5.0              | 2010 |                  |
| China   | NSP (SF)   | 2200           | 10.0             | 2010 |                  |
| Japan   | NSP (C-SF) | 7400           | 10.0             | 2010 | Ratio-up 7.0→10  |
| Korea   | NSP (SF)   | 4800           | 5.0              | 2009 |                  |
| Japan   | SP         | 3800           | 4.0              | 2009 | Ratio-up 1.5→4.0 |
| Korea   | NSP (RSP)  | 6000           | 5.0              | 2008 |                  |
| Korea   | NSP (SF)   | 5500           | 5.0              | 2008 |                  |
| Korea   | NSP (RSP)  | 6000           | 5.0              | 2008 |                  |
| Japan   | SP         | 2736           | 3.0              | 2008 |                  |
| Japan   | NSP (DD)   | 5000           | 6.3              | 2007 |                  |
| Japan   | SP         | 3900           | 6.0              | 2007 |                  |

| Country | Process     | Capacity<br>(t/d) | Bypass ratio<br>(%) | Year | Remark           |
|---------|-------------|-------------------|---------------------|------|------------------|
| Japan   | NSP (RSP)   | 4950              | 7.0                 | 2007 | Ratio-up 2.1→7.0 |
| Korea   | NSP (SF)    | 5500              | 5.0                 | 2005 |                  |
| Japan   | NSP (RSP)   | 4950              | 7.0                 | 2005 |                  |
| Japan   | NSP (RSP)   | 2352              | 5.7                 | 2005 |                  |
| Japan   | NSP (DD)    | 2400              | 3.7                 | 2004 |                  |
| Japan   | NSP (DD)    | 5000              | 5.0                 | 2004 | Ratio-up 1.5→5.0 |
| Japan   | SP          | 4950              | 2.0                 | 2003 |                  |
| Japan   | NSP (C-SF)  | 7000              | 6.3                 | 2003 | Ratio-up 4.3→6.3 |
| Japan   | NSP (RSP)   | 2880              | 3.5                 | 2003 |                  |
| Japan   | NSP (C-SF)  | 2800              | 6.0                 | 2003 |                  |
| Japan   | NSP (RSP)   | 4950              | 3.0                 | 2003 |                  |
| Japan   | NSP (DD)    | 4000              | 2.5                 | 2003 |                  |
| Japan   | NSP (C-SF)  | 2800              | 6.0                 | 2003 | Ratio-up 2.0→6.0 |
| Japan   | NSP (RSP)   | 5100              | 3.6                 | 2002 | Ratio-up 2.6→3.6 |
| Japan   | NSP (GG)    | 3000              | 2.0                 | 2002 |                  |
| Korea   | NSP (N-MFC) | 7752              | 0.5                 | 2002 |                  |
| Korea   | SP          | 3048              | 0.5                 | 2002 |                  |
| Korea   | SP          | 4048              | 1.0                 | 2002 |                  |
| Japan   | NSP (RSP)   | 3800              | 3.0                 | 2002 |                  |
| Japan   | NSP (MFC)   | 3300              | 2.5                 | 2002 |                  |
| Japan   | NSP (DD)    | 4440              | 3.0                 | 2001 |                  |
| France  | SP          | 3600              | 5.0                 | 2001 |                  |

| Country | Process     | Capacity<br>(t/d) | Bypass ratio<br>(%) | Year | Remark           |
|---------|-------------|-------------------|---------------------|------|------------------|
| Japan   | SP          | 4000              | 2.2                 | 2001 |                  |
| Japan   | NSP (C-SF)  | 7400              | 5.0                 | 2001 | Ratio-up 2.0→5.0 |
| Japan   | NSP (RSP)   | 4900              | 5.0                 | 2001 | Ratio-up 1.5→5.0 |
| Japan   | NSP (N-KSV) | 2800              | 3.0                 | 2000 |                  |
| Japan   | NSP (RSP)   | 4700              | 2.6                 | 1999 |                  |
| Japan   | NSP (C-SF)  | 2800              | 1.7                 | 1998 |                  |
| Japan   | NSP (C-SF)  | 4700              | 2.4                 | 1998 |                  |
| Japan   | NSP (DD)    | 5000              | 2.0                 | 1998 |                  |
| Japan   | NSP (N-KSV) | 2600              | 1.7                 | 1998 |                  |
| Japan   | NSP (N-KSV) | 2600              | 2.0                 | 1998 |                  |
| Japan   | NSP (SF)    | 7300              | 1.5                 | 1997 |                  |
| Japan   | NSP (SLC)   | 4400              | 1.5                 | 1997 |                  |
| Japan   | NSP (C-SF)  | 3100              | 2.0                 | 1996 |                  |
| Japan   | NSP (RSP)   | 4900              | 1.0                 | 1995 |                  |
| Japan   | NSP (RSP)   | 4900              | 1.5                 | 1995 |                  |
| Japan   | NSP (RSP)   | 4900              | 1.0                 | 1995 |                  |
| Japan   | NSP (RSP)   | 2400              | 1.2                 | 1995 |                  |
| Japan   | NSP (C-SF)  | 7400              | 1.8                 | 1994 |                  |
| Japan   | NSP (C-SF)  | 4900              | 2.0                 | 1993 |                  |
| Japan   | NSP (RSP)   | 5240              | 1.5                 | 1989 |                  |