

SUPPLY LIST 【Taiheiyo Chlorine Bypass System】

(as of April 2024)

| Country | Process | Capacity (t/d) | Bypass ratio (%) | Year | Remark |
|----------|---------------|----------------|------------------|------------------|--------------------|
| Thailand | FLS-1C | 5750 | 12.0 | 2024 On going | Ratio-up 5.0→12.0 |
| Thailand | FLS-2C | 10300 | 12.0 | 2024 On going | 12.0%=6.0% * 2Line |
| Thailand | NSP(MFC) | 4000 | 12.0 | 2024 On going | |
| Korea | NSP | 5600 | 9.8 | 2023 On going | Ratio-up 5.0→9.8 |
| Korea | NSP(MFC) | 6000 | 10.0 | 2023 On going | Ratio-up 5.0→10.0 |
| Korea | NSP(RSP) | 5600 | 9.8 | 2023 On going | Ratio-up 5.0→9.8 |
| Korea | NSP(RSP) | 6000 | 10.0 | 2023 On going | Ratio-up 5.0→10.0 |
| Korea | NSP | 4400 | 10.0 | 2023 | Ratio-up 5.0→10.0 |
| Taiwan | NSP | 4600 | 4.0 | 2022 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 | 2019 On going | |
| 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 (t/d) | Bypass ratio (%) | 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 (t/d) | Bypass ratio (%) | 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 | |