US ERA ARCHIVE DOCUMENT

| #   | DATE:              | TO:                                     | FROM:              | <b>FORMAT:</b> | SUBJECT:   |
|-----|--------------------|---|--------------------|----------------|--|
|     | 1990, September 28 | Tyco/Ansul                              | Valdas Adamus,     | Letter         | Administrative Order on                                    |
|     |                    |   | U.S. EPA Regional  |                | Consent  |
| 1   | 1001 7             | *************************************** | Administrator      | 7.1            |  |
|     | 1991, January 1    | U.S. EPA File                           |                    | File           | D.2.5-D.2.6 QAPP Lab                                       |
| 2   | 1001 F 1           | IIC EDA E'1                             | IIC EDA            |                | Evaluation/Correspondence                                  |
|     | 1991, February     | U.S. EPA File                           | U.S. EPA           |                | Guidance on RCRA Corrective<br>Action Decision Documents – |
|     |                    |   |                    |                | The Statement of Bases Final                               |
|     |                    |   |                    |                | Decision and Response to                                   |
| 3   |                    |   |                    |                | Comments   |
|     | 1994, August 22    | U.S. EPA File                           | Dames and Moore    | File           | D.2.4 RFI-Task IV  |
| 4   | 1991,110,8000 ==   | 0.5. 21111.                             | for Tyco           |                | 2.2  |
|     | 1994, August 22    | U.S. EPA File                           | Dames and Moore    | File           | D.2.2 Description of Current                               |
| 5   | , 6                |   | for Tyco           |                | Conditions Task 1  |
|     | 1994, August 22    | U.S. EPA File                           | Dames and Moore    | File           | D.2.2 RFI Work Plan – Task                                 |
| 6   |                    |   | for Tyco           |                | III/IV (1994)  |
|     | 1996, July         | U.S. EPA File                           |                    |                | Guidance on Soil Screening-                                |
| 7   | 1000 0             |   |                    |                | Users Guide  |
|     | 1998, September    | U.S. EPA                                |                    |                | Guidance on Capping in-situ                                |
| 0   |                    |   |                    |                | subaqueous contaminated                                    |
| 8   | 1999, January      | U.S. EPA File                           | Dirk Wallschlager, |                | sediments Review of Arsenic Speciation                     |
|     | 1999, January      | U.S. EFA FIIC                           | Frontier           |                | Data at the Ansul Site                                     |
| 9   |                    |   | Geosciences, Inc.  |                | Data at the Misur Site                                     |
|     | 1999, February 5   | U.S. EPA File                           | Geogetenees, me.   | File           | D.6.1 Environmental Indicator                              |
| 10  | ,, -               |   |                    |                | Determination  |
|     | 1999, March 15     | U.S. EPA File                           | Dames and Moore    | File           | D.2.5 QAPP – Menominee River                               |
| 11  | ŕ                  |   | for Tyco           |                | Basin (1 of 3)   |
|     | 1999, March 15     | U.S. EPA File                           | Dames and Moore    | File           | D.2.5 QAPP – Menominee River                               |
| 12  |                    |   | for Tyco           |                | Basin (2 of 3)   |
|     | 1999, March 15     | U.S. EPA File                           | Dames and Moore    | File           | D.2.5 QAPP – Menominee River                               |
| 13  | 2000 1             | 110 55 53                               | for Tyco           | 701            | Basin (3 of 3)   |
| 14  | 2000, January 1    | U.S. EPA File                           |                    | File           | D.2.1 RFI Correspondence                                   |
|     | 2000, May 23       | U.S. EPA File                           | Dames and Moore    | File           | D.2.5 QAPP – Phase I ( 1 of 2)                             |
| 15  |                    |   | for Tyco           |                |  |
| 1.0 | 2000, May 23       | U.S. EPA File                           | Dames and Moore    | File           | D.2.5 QAPP– Phase I (2 of 2)                               |
| 16  | 2000 M 22          | IIC EDA E                               | for Tyco           | E:1            | D 2 5 O A DD A 11 1  |
| 17  | 2000, May 23       | U.S. EPA File                           | Dames and Moore    | File           | D.2.5 QAPP Addendum  |
| 17  |                    |   | for Tyco           |                |  |

| 18 | 2001, February            | U.S. EPA  | U.S. EPA                        |            | Ground Water Issue  |
|----|---------------------------|---|---------------------------------|------------|---|
| 19 | 2001, February            | U.S. EPA  | URS Corporation for Tyco        | Map        | Summary of Findings   |
| 20 | 2001, February 16         | U.S. EPA File                                     | URS Corporation for Tyco        | File       | D.2.4 Summary of Findings<br>Report (1974-2000 Appen. C/D)  |
| 21 | 2001, February 16         | U.S. EPA File                                     | URS Corporation for Tyco        | File       | D.2.4 Summary of Findings<br>Report (1974-2000) Tables A  |
| 22 | 2001, February 16         | U.S. EPA File                                     | URS Corporation for Tyco        | File       | D.2.4 Summary of Findings<br>Report (1974-2000) Appendix<br>B1  |
| 23 | 2001, August 8            | U.S. EPA File                                     | URS Corporation for Tyco        | File       | D.2.2 Contract Specifications – 8 <sup>th</sup> St. Cap   |
| 24 | 1974 – 2002,<br>January 1 | U.S. EPA File                                     | URS Corporation for Tyco        | File       | D.2.4 Summary of Findings (1974-2000) Appendix B2   |
| 25 | 1996 - 2002,<br>January 1 | U.S. EPA File                                     | Tech Law Inc. for Tyco          | File       | D.2.3 Field Oversight Reports   |
| 26 | 2002, September 19        | U.S. EPA File                                     | URS Corporation for Tyco        | File       | D.2.7 2001/2002 RFI/IM<br>Investigation   |
| 27 | 2002, October             | U.S. EPA  | URS Corporation for Tyco        | Мар        | RFI and IMI   |
| 28 | 2002, December 6          | U.S. EPA File                                     | USR Corporation for Tyco        | File       | D.2.4 Prof. Engineering Cert. Report  |
| 29 | 2003, February 28         | U.S. EPA File                                     |                                 |            | Compilation of Ecological Risk<br>Assessment Concerns noted<br>during Preliminary Review of<br>the Baseline Risk Assessment |
| 30 | 2003, May 9               | U.S. EPA File                                     | URS Corporation for Tyco        | File       | D.3.3 CMS-MFG/Wet Land/Salt Vault   |
| 31 | 2003, May 9               | U.S. EPA File                                     | URS Corporation for Tyco        | File       | Corrective Measures Study –<br>Manufacturing and Wetlands<br>Area   |
| 32 | 2003, May 22              | Gary Cygan<br>and David<br>Petrovski,<br>U.S. EPA | Bhooma Sundar,<br>U.S. EPA      | Email      | Comments of Ansul's Risk<br>Assessment  |
| 33 | 2003, May 22              | Gary Cygan<br>and Dave<br>Petrovski,<br>U.S. EPA  | Bhooma Sundar,<br>U.S. EPA File | Memorandum | Summary of human health risk assessment concerns noted during preliminary review of the Baseline Risk Assessment            |
| 34 | 2003, June 25             | Cathy Rodda,<br>NER/Peshtigo                      | Tom Janisch,<br>WDNR            | Memorandum | Review and Comments on the Ecological Baseline Risk   |

|    |                       |                       |                    |                   | Assessment                                    |
|----|-----------------------|-----------------------|--------------------|-------------------|---|
|    | 2003, June 25         | Cathy Rodda,          | Tom Janisch,       | Memorandum        | Review and Comments on the                    |
|    | •                     | NER/Peshtigo          | WDNR               |                   | Ecological Baseline Risk                      |
| 35 |                       |                       |                    |                   | Assessment                                    |
|    | 2003, July 15         | Gary Cygan,           | Matt Lary and John | Memorandum        | Summary of Major Ecological                   |
|    | 2000,001,10           | U.S. EPA              | Koehnen            | 1110110101010101  | Risk Assessment Concerns noted                |
|    |                       | 0.0. 2111             | 120 01111011       |                   | during review of the <i>Baseline</i>          |
| 36 |                       |                       |                    |                   | Risk Assessment                               |
|    | 2003, November        | U.S. EPA              | URS Corporation    | Мар               | 8,16t 138ppm As Area Maps for                 |
| 37 | 2003, 110 (011100)    | 0.0.2111              | for Tyco           | 171mp             | Upland Ansul                                  |
|    | 2003, November 24     | U.S. EPA File         | URS Corporation    | File              | D.3.7 Remedial Alternatives                   |
| 38 | 2005, 110 veinteer 21 | 0.5. E171110          | for Tyco           | 1110              | EvalMenominee                                 |
| 30 | 2003, November 24     | U.S. EPA File         | URS Corporation    | File              | Menominee River Sediment                      |
|    | 2005, 110 vemoer 21   | C.S. LITTING          | for Tyco           | 1 IIC             | Remedial Alternatives                         |
| 39 |                       |                       | Tor Tyco           |                   | Evaluation Evaluation                         |
|    | 2003, November 24     | U.S. EPA File         | URS Corporation    | File              | Upland (On-Shore) Soils Cost                  |
|    | 2005, NOVEINGER 24    | O.B. LI II IIC        | for Tyco           | 1 IIC             | Evaluation Remedial                           |
| 40 |                       |                       | Tor Tyco           |                   | Alternatives Evaluation                       |
| 40 | 2004, July 1          | Dean LaFleur          | URS Corporation    | Letter            | Arsenic in Menominee River                    |
| 41 | 2004, July 1          | Dean Laricui          | for Tyco           | Letter            | Fish  |
| 41 | 2004, September 17    | U.S. EPA File         | URS Corporation    | File              | D.2.7 RFI                                     |
| 42 | 2004, September 17    | U.S. El A l'IIC       | for Tyco           | THE               | Investigation/Addendum                        |
| 72 | 2005, May 12          | Gary Cygan,           | Earth Tech for     | Letter            | Response to USEPA and WDNR                    |
|    | 2005, May 12          | U.S. EPA              | Tyco               | Letter            | Comments in April 6, 2005                     |
|    |                       | 0.5. El A             | 1 yeo              |                   | Letter – Supplemental                         |
|    |                       |                       |                    |                   | Investigation Work Plan for the               |
| 43 |                       |                       |                    |                   | Drum Burial Area                              |
| 43 | 2005, May 27          | Gary Cygan,           | Earth Tech for     | Letter            | Arsenic in Menominee River                    |
| 44 | 2005, May 27          | U.S. EPA              | Tyco               | Letter            | Fish Follow-up Submittal                      |
| 77 | 2005, July 13         | Gary Cygan,           | Kristen DuFresne,  | Fax               | 1974 Marinette Water Quality                  |
| 45 | 2005, July 15         | U.S. EPA              | WDNR               | 1 41              | 17/4 Marmette Water Quanty                    |
| 73 | 2005, July 28         | Bureau of             | WDNR               | Memorandum        | Recommendation for Threshold                  |
|    | 2005, July 20         | Watershed             | WDM                | iviciiiorailuuill | Bound Effects Concentration                   |
|    |                       | Management            |                    |                   | Range for Arsenic in the                      |
|    |                       | ivianagement          |                    |                   | Sediments of the Turning Basin                |
|    |                       |                       |                    |                   | Area and 6 <sup>th</sup> Street Slip Areas of |
|    |                       |                       |                    |                   | the Menominee River to be Used                |
|    |                       |                       |                    |                   | to Select a Remedial Goal to                  |
|    |                       |                       |                    |                   | Protect Site-Specific Aquatic-                |
| 46 |                       |                       |                    |                   | Related Assessment Endpoints                  |
| 40 | 2005, September       | IIC Army              |                    |                   | Guidance on Sediment Capping                  |
| 47 | 2003, September       | U.S. Army<br>Corps of |                    |                   | and Natural Recovery                          |
| 4/ |                       | Corps or              |                    |                   | and Natural NCCOVERY                          |

|    |                         | Engineers       |                   |            |                                  |
|----|-------------------------|-----------------|-------------------|------------|----------------------------------|
|    | 2005, September 12      | U.S. EPA File   | Gary Cygan, U.S.  |            | Current Human Exposures          |
| 48 | 2003, September 12      | O.B. LI II IIC  | EPA               |            | Under Control                    |
| 70 | 2005, December          | U.S. EPA File   | U.S. EPA File     | File       | Contaminated Sediment            |
|    | 2003, December          | O.B. LI II IIC  | 0.5. Li 11 iic    | THE        | Remediation Guidance for         |
| 49 |                         |                 |                   |            | Hazardous Waste Sites            |
| 7) | 2004 – 2006,            | U.S. EPA File   | Earth Tech for    | File       | D.3.7 Drum Burial Area Invest.   |
| 50 | January 1               | U.S. El A l'IIC | Tyco              | THE        | Report Report                    |
| 30 | 2006, January 1         | U.S. EPA File   | Earth Tech for    | File       | D.3.7 PRB Media Optimization     |
| 51 | 2000, January 1         | O.B. LI II IIC  | Tyco              | THE        | Study                            |
| 31 | 2006, January           | U.S. EPA File   | Earth Tech for    | File       | PRB Media Optimization Study     |
| 52 | 2000, January           | U.S. El A l'IIC | Tyco              | THE        | Report Report                    |
| 32 | 2006, February          | U.S EPA File    | Earth Tech for    | File       | Pre-Design Remedial Work Plan    |
| 53 | 2000, reducing          | O.S El A Pile   | Tyco              | THE        | 1 re-Design Remediat Work Fran   |
|    | 2006, March             | U.S. EPA File   | Earth Tech for    | File       | Drum Burial Area Supplemental    |
| 54 | 2000, March             | O.S. LITTING    | Tyco              | THE        | Site Investigation Report        |
| 31 | 2006, March 22          | U.S. EPA File   | USGS              | Website    | Geochemistry of Arsenic          |
| 55 | 2000, March 22          | 0.0. 2171110    | 0505              | VV COSICC  | Geochemistry of Thiseme          |
|    | 2006, May 15            | U.S. EPA File   | WI Department of  |            | Health Risks Associated with     |
|    | =000, 1.1 <b>w</b> y 10 | 0.0. 2111111    | Health and Family |            | Arsenic in Fish from Arsenic-    |
|    |                         |                 | Services          |            | Contaminated Areas of the        |
| 56 |                         |                 |                   |            | Menominee River                  |
|    | 2006, August            | U.S. EPA File   | Earth Tech for    | File       | Quality Assurance Project Plan   |
| 57 | , 0                     |                 | Tyco              |            |                                  |
|    | 2006, August 9          | Kristen         | Steve Galarneau,  | Memorandum | Sediment Cleanup Value –         |
|    | , 0                     | DuFresne,       | WT/Plymouth and   |            | Arsenic                          |
| 58 |                         | WDNR            | Jim Killian WT/2  |            |                                  |
|    | 2006, August 17         | Gary Cygan,     | Earth Tech for    | Letter     | Proposed Corrective Measures     |
|    | · -                     | U.S. EPA        | Tyco              |            | Summary Manufacturing and        |
| 59 |                         |                 |                   |            | Wetlands Area                    |
|    | 2006, October           | Gary Cygan,     | URS Corporation   | Letter     | Response to WDNR July 28,        |
|    |                         | U.S. EPA        | for Tyco          |            | 2005 Memorandum Regarding        |
|    |                         |                 |                   |            | Arsenic Cleanup Level for        |
|    |                         |                 |                   |            | Menominee River Turning          |
| 60 |                         |                 |                   |            | Basins Sediments                 |
|    | 2006, October 5         | Gary Cygan,     | Kristin DuFresne, | Memorandum | WDNR Comments Regarding          |
|    |                         | U.S. EPA        | Bruce Urben, and  |            | Soil Cleanup Goals for the Ansul |
|    |                         |                 | Mark Gordon,      |            | Site                             |
| 61 |                         |                 | WDNR              |            |                                  |
|    | 2006, October 23        | Kristin         | Tom Janisch,      | Memorandum | Review and Response to URS's     |
|    |                         | DuFresne,       |                   |            | October 15, 2006 Comments on     |
| 62 |                         | WDNR            |                   |            | the WDNR July 28, 2006 Memo      |

|    |                    |               |                    |            | Regarding Arsenic Cleanup     |
|----|--------------------|---------------|--------------------|------------|-------------------------------|
|    |                    |               |                    |            | Levels for Menominee River    |
|    |                    |               |                    |            | Turning Basin                 |
|    | 2006, November     | U.S. EPA File | Earth Tech for     | File       | Pre-Design Remedial Work Plan |
| 63 |                    |               | Tyco               |            | (Revision 01)                 |
|    | 2006, November     | U.S. EPA      | Earth Tech for     |            | Response to Secondary         |
|    |                    |               | Tyco               |            | Comments Pre-Design Remedial  |
| 64 |                    |               |                    |            | Work Plan                     |
|    | 2007, January      | U.S. EPA File | Earth Tech for     | File       | Addendum 01 To The Corrective |
| 65 |                    |               | Tyco               |            | Measures Study                |
|    | 2007, January      | U.S. EPA File | Earth Tech for     | File       | Addendum 01 To The Corrective |
| 66 |                    |               | Tyco               |            | Measures Study                |
|    | 2007, February 20  | Kristin       | Jim Killian, WT/2  | Memorandum | Sediment Remediation          |
|    |                    | DuFrensne,    |                    |            | Objectives for Ansul/Tyco     |
| 67 |                    | WDNR          |                    |            | Arsenic Site, Marinette       |
|    | 2007, February 20  | Kristen       | Jim Killian, WT/2  | Memorandum | Sediment Remediation          |
|    |                    | DuFresne,     |                    |            | Objectives for Ansul/Tyco     |
| 68 |                    | WDNR          |                    |            | Arsenic Site, Marinette       |
|    | NO DATE            | U.S. EPA File |                    |            | Arsenic CASRN 7440-38-2       |
| 69 |                    |               |                    |            | Human Health Criteria         |
| 70 | 2007, September 12 | U.S. EPA      | U.S. EPA           | Memorandum | Statement of Basis            |
|    | 2007, September 20 | U.S. EPA      | Superior Reporting | File       | Transcripts of Public Hearing |
| 71 |                    |               | Service, Inc.      |            |                               |
|    | 2007, October 25   | U.S. EPA      | Earth Tech for     | File       | Comments on the Statement of  |
| 72 |                    |               | Tyco               |            | Basis                         |
| 72 | 2007, September    | Various       | U.S. EPA           | Mailing    | Fact Sheet on Proposed Remedy |
| 73 |                    |               |                    |            |                               |