

US EPA ARCHIVE DOCUMENT

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Attachment 2

Quarterly Report for Molex, Inc. Temporary Variance Case No. 1898  
(to be submitted on the last day of the month every 3 months after the baseline report)

Reporting Period From: 08/08/99 To: 11/07/99  
m d y m d y

1) Segregated Treatment System Effluent Data for Previous 3 Months:

*DMR's No city monitoring*

| Parameter      | Avg. Conc. (mg/l) | Avg. Mass (Lb./day) |
|----------------|-------------------|---------------------|
| Total Cadmium  | Did not check     |                     |
| Total Chromium | "                 |                     |
| Total Copper   | 0.17              | 0.339 lb/day        |
| Total Cyanide  | Did not check     |                     |
| Total Lead     | 0.18              | 0.359 lb/day        |
| Total Nickel   | 0.53              | 1.056 lb/day        |
| Total Silver   | Did not check     |                     |
| Total Tin      | "                 |                     |
| Total Zinc     | "                 |                     |

Average Flow: 23,874 gal/day Minimum pH: 6.0 Maximum pH: 9.2

2) Operating Cost of Segregated Treatment System for Previous 3 Months: \$32,379  
 \$16,428 = Equip. Depreciation, \$651 = Electricity, \$3145 = Labor, \$10,077 = Chemicals  
 \$1,648 = Maintenance & Repairs (Depreciation 1507 years)

3) Volume of Sludges Generated in Previous 3 Months in Pounds:

Copper Sludge 9640 Nickel Sludge 14,792 Tin/Lead Sludge: 2546

4) Total Amount of Sludges Currently Being Stored in Pounds:

Copper Sludge: 4604 Nickel Sludge: 8786 Tin/Lead sludge: 2546

5) Most Recent Sludge Shipments to Recycler:

(copper and nickel must be shipped at least every 180 days, tin/lead must be shipped every 365 days)

| Sludge Type     | Date Shipped (m/d/y) | Sludge Value (\$/lb.) | Amount Shipped (lbs.) |
|-----------------|----------------------|-----------------------|-----------------------|
| Copper Sludge   | 09/24/99             | \$ .0019/lb           | 11,322                |
| Nickel Sludge   | 09/24/99             | \$ .05/lb             | 27,182                |
| Tin/Lead Sludge | 08/27/99             | \$ .1436/lb *         | 11,178 *              |

\* Refiner processed 10,993# Tin @ \$.1436/lb - freight \$720 = \$858.31  
 " " 8640# Copper @ \$.0019/lb (no freight) = \$16.51  
 " " 27,942# Nickel @ \$.05/lb (no freight) = 1397.10

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## 6) Analysis of Sludges in mg/kg dry weight

(must be conducted on a representative composite of each shipment)

| Parameter          | Copper Sludge | Nickel Sludge | Tin/Lead Sludge |
|--------------------|---------------|---------------|-----------------|
| Copper             | 113,000       | 22.4          | 1640            |
| Lead               | 38            | 1             | 8250            |
| Nickel             | 940           | 104,000       | 280             |
| Tin                | 63            | 79            | 36,000          |
| Zinc               | 180           | 2             | 785             |
| % Moisture Content | 68%           | 78%           | 60%             |
| pH (s.u.)          | 7.28          | 8.17          | 7.8             |

## 7) Estimated Costs Associated with Shipping, Storing and Reclaiming Sludges for the Previous 3 Months:

Shipping Tin (Jan 98 - July 99, 7 months) = \$720

Monies received for sludges after shipping costs deduction.

Tin = \$858.59

(No freight) Copper and nickel = \$1331.51      Total = \$2190.10

## 8) Additional Comments or Information

|                                    |                       |
|------------------------------------|-----------------------|
| Completed by: <u>Paul Eckerson</u> | Title: <u>Chemist</u> |
| Signature: <u>Paul Eckerson</u>    | Date: <u>11-9-99</u>  |