<table>
<thead>
<tr>
<th>DISTRICT</th>
<th>Manhattan</th>
</tr>
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<td>DIST_No</td>
<td>2960</td>
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<tr>
<td>COUNTY</td>
<td>Nyc</td>
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<tr>
<td>TITLE</td>
<td>Hughes Tool Co. Metallurgy - Flow Sheets</td>
</tr>
<tr>
<td>DATE_OF_DOC(S)</td>
<td>1976</td>
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<td>COMMODITY</td>
<td></td>
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<tr>
<td>NOTES</td>
<td>Flow sheets; lead plant; recovery plant</td>
</tr>
</tbody>
</table>

NOTE: See Folder front

Keep docs at about 250 pages if no oversized maps attached (for every 1 oversized page (>11x17) with text reduce the amount of pages by ~25)

Revised: 1/22/08
MANHATTAN LEACH PLANT FLOW SHEET

GORMAN-RUPP PUMP

6" FLOW METER

COLUMN #1
COLUMN #2
COLUMN #3

ADVANCE CARBON
ADD NEW CARBON

PACIFIC PUMP

GALIGHER PUMP

NaCN
NaOH

MEYERS PUMP

PACIFIC PUMP

BARREN TANK

BARREN POND
CAPACITY 95,000 gal.

HEAP #4

HEAP #3

HEAP #2

SOLUTION NaCN .5 lb./TON
PH CONTROL 10.2

HEAP #2 = 40,623 Tons
37,500 ft²
AVG. GRADE .031
TOT oz Au 3637

HEAP #3 = 71,910 Tons
77,250 ft²
AVG. GRADE .077
TOT oz Au 5637

HEAP #4 = 101,873 Tons
140,000 ft²
AVG. GRADE .084
TOT oz Au 8557

TOTALS = 214,406 Tons
254,750 ft²
AVG. GRADE .083
TOT oz Au 17,790 oz

C.M.S. M.M.E. 8/10/20