Department of Energy
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JUL 17 2000

Mr. James A. Saric, Remedial Project Manager
U.S. Environmental Protection Agency
Region V,SRF-5J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-0857-00

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

ANNUAL INSPECTION OF LEACHATE MANAGEMENT SYSTEM

Reference: Systems Plan for On-Site Disposal Facility Project, Revision 1, dated January 2000

This letter summarizes our annual inspection of the Leachate Management System (LMS). The Fernald Environmental Management Project (FEMP) believes, based on the information presented herein, that the LMS is functioning as designed.

Table 3-1 of the referenced Systems Plan indicates that an annual video inspection will be performed for the Leachate Collection System (LCS) and Leak Detection System (LDS) pipes to determine if clogging or crushing has occurred. The annual video inspections for LCS and LDS gravity lines associated with Cells 1, 2, and 3 were completed in November 1999. A videotape of those inspections was reviewed by the Ohio Environmental Protection Agency.

Table 3-2 of the referenced Systems Plan indicates that an annual inspection will be performed for the Leachate Transmission System (LTS) to determine if clogging or crushing has occurred. The plan does not specify a requirement for video inspection of the LTS. Table 3-3 of the referenced Systems Plan does not indicate that an annual inspection is required for the Interim Leachate Transmission System (ILTS). However, the following criteria were used to evaluate the ILTS.

- Little construction activity has occurred over the top of the ILTS piping. Also, the majority of the ILTS was installed at grade with minimal earthen cover installed over the pipeline. Structural pipe sleeves were installed around the ILTS at road crossings. Therefore, the probability of pipe crushing is remote.

- Most importantly, a review of the enclosed recent daily flow charts from the Permanent Lift Station (PLS) indicates that the ILTS has, on a regular basis, been delivering the 200 gpm design flow to the PLS for a sustained period. On each of the charts for June 27, June 28, and July 5, 2000; a flow of over 200 gpm existed for a period exceeding 3 hours. The FEMP believes this adequately demonstrates that the carrier piping is not clogged or crushed.

If you have any questions or require further information, please contact Jay Jalovec at (513) 648-3122 or Robert Janke at (513) 648-3124.

Sincerely,

Johnny Reising

Johnny W. Reising
Fernald Remedial Action
Project Manager

FEMP:Jalovec

Enclosures

cc w/enclosures:
N. Hallein, EM-31/CLOV
J. Jalovec, OH/FEMP
R. J. Janke, OH/FEMP
G. Jablonowski, USEPA-V, SRF-5J
T. Schneider, OEPA-Dayton (three copies of enclosures)
F. Bell, ATSDR
F. Hodge, Tetra-Tech
M. Schupe, HSI GeoTrans
R. Vandegrift, ODH
AR Coordinator, Fluor Fernald, Inc./78

cc w/o enclosures:
J. Reising, OH/FEMP
A. Tanner, OH/FEMP
D. Brettschneider, Fluor Fernald, Inc./52-5
D. Carr, Fluor Fernald, Inc./2
T. Hagen, Fluor Fernald, Inc./65-2
J. Harmon, Fluor Fernald, Inc./90
E. Henry, Fluor Fernald, Inc./52-5
W. Hertel, Fluor Fernald, Inc./52-5
S. Hinnefeld, Fluor Fernald, Inc./31
J. Hughes, Fluor Fernald, Inc./ 52-5
J. Jenkins, Fluor Fernald, Inc./52-5
M. Jewett, Fluor Fernald, Inc./52-2
U. Kumthekar, Fluor Fernald, Inc./64
T. Walsh, Fluor Fernald, Inc./65-2
ECDC, Fluor Fernald, Inc./52-7

Coaching Conveyance System 6-28-00 on 1601566 off 1610611

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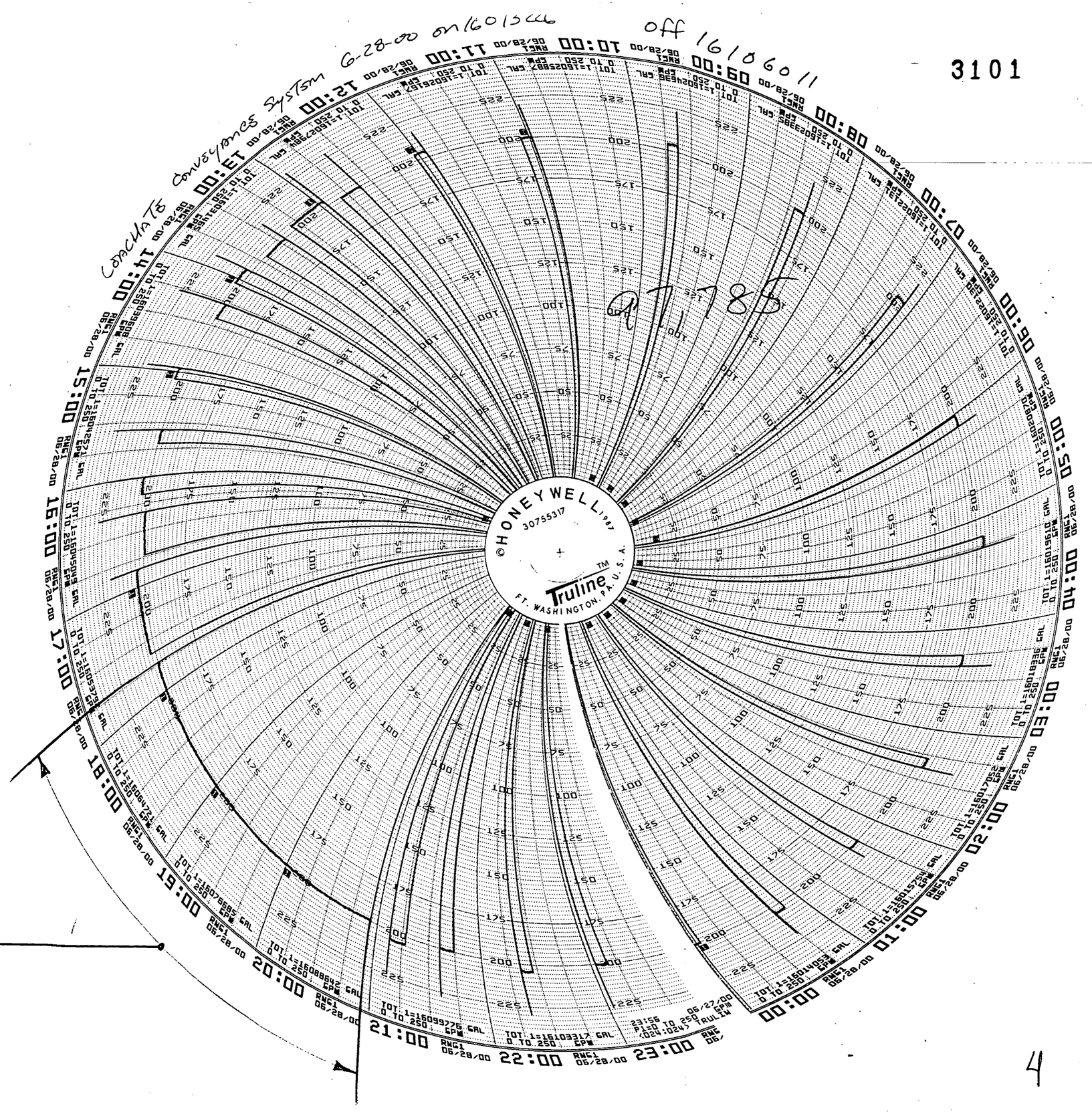
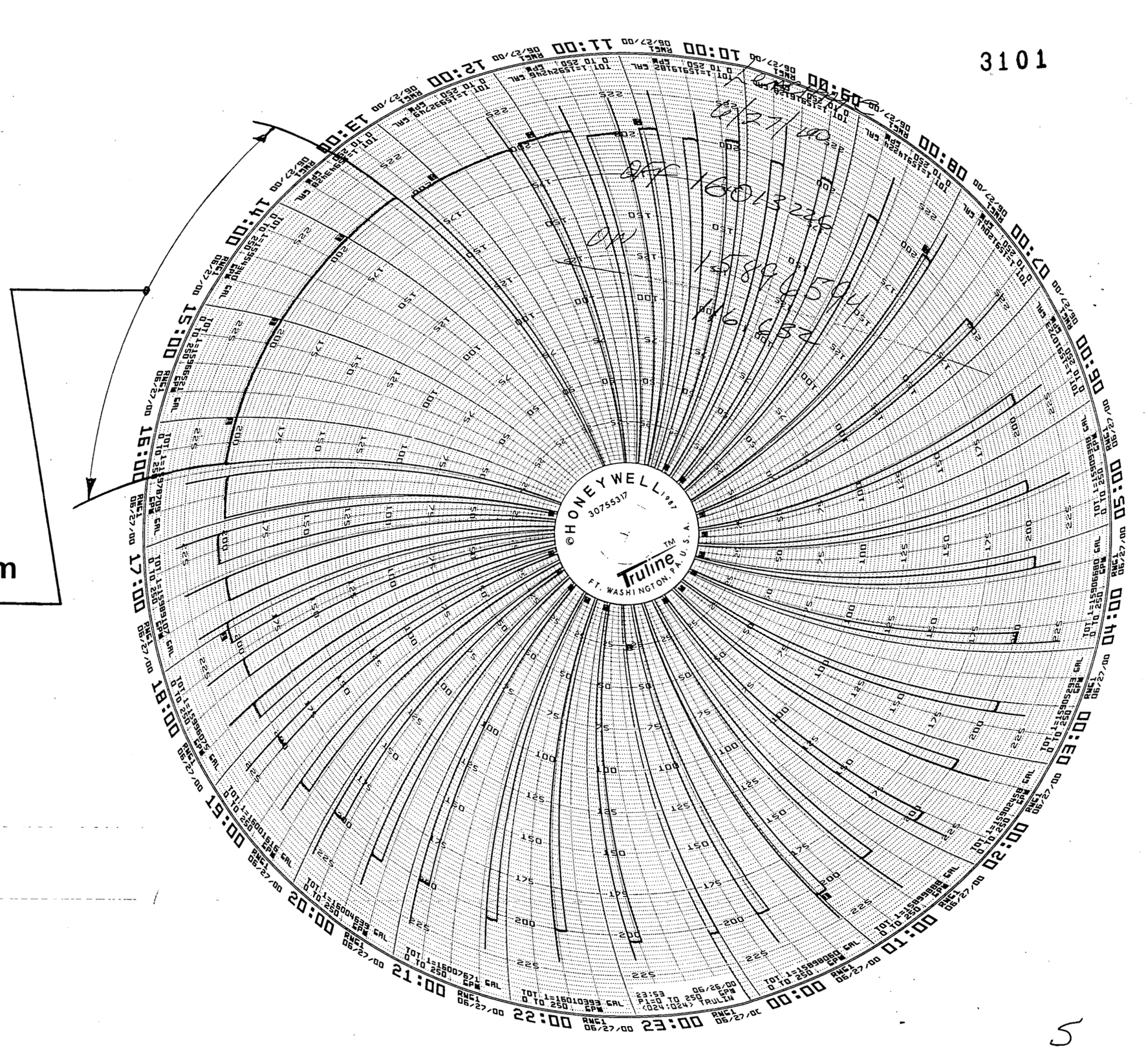
SUSTAINED FLOW > 200gpm
FOR PERIOD > 3 HRS



SUSTAINED FLOW > 200gpm
FOR PERIOD > 3 HRS



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SUSTAINED FLOW > 200gpm
FOR PERIOD > 3 HRS