



Department of Energy

**Ohio Field Office
Fernald Area Office**

P. O. Box 538705
Cincinnati, Ohio 45253-8705
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OCT 22 1999

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-0068-00

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

Dear Mr. Saric and Mr. Schneider:

ON-SITE DISPOSAL FACILITY CELL 3 CONSTRUCTION CERTIFICATION

This letter is to notify you that Cell 3 liner construction in the On-Site Disposal Facility (OSDF) is complete and Cell 3 is ready to accept impacted material. The Interim Construction Certification Letter prepared by GeoSyntec Consultants for Cell 3 is enclosed. With your concurrence, impacted material placement in Cell 3 is scheduled to start on October 25, 1999, or shortly after pending on weather conditions.

The Final Certification Report will be submitted upon its completion in early December 1999. If you have any questions or concerns regarding this document, please contact Jay Jalovec at (513) 648-3122.

Sincerely,

Johnny W. Reising
Fernald Remedial Action
Project Manager

FEMP:Jalovec

Enclosure

Mr. James A. Saric
Mr. Tom Schneider

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cc w/enclosure:

N. Hallein, EM-42/CLOV
G. Jablonowski, USEPA-V, SRF-5J
T. Schneider, OEPA-Dayton (three copies of enclosures)
F. Bell, ATSDR
M. Schupe, HSI GeoTrans
R. Vandegrift, ODH
F. Barker, Tetra Tech
AR Coordinator, FDF/78

cc w/o enclosure:

J. Reising, OH/FEMP
A. Tanner, OH/FEMP
J. Burnett, Geosyntec FDF/38
D. Carr, FDF/52-2
J. Chiou, FDF/52-0
T. Hagen, FDF/65-2
J. Harmon, FDF/90
R. Heck, FDF/2
M. Hickey, FDF/64
S. Hinnefeld, FDF/31
A. Klimek, FDF/64
U. Kumthekar, FDF/64
C. VanArsdale, FDF/64
T. Walsh, FDF/65-2
ECDC, FDF/52-7

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21 October 1999

Mr. William (Bill) A. Zebick
Construction Manager
Fluor Daniel Fernald
MS: 64
P.O. Box 538704
Cincinnati, Ohio 45253-8704

Subject: Interim Construction Certification
On-Site Disposal Facility, Phase II Cell 3
Subcontract No. 95PS005028

Dear Mr. Zebick:

The purpose of this letter is to certify that the construction quality assurance (CQA) and construction quality control (CQC) activities performed by GeoSyntec Consultants (GeoSyntec) during construction of the On-Site Disposal Facility (OSDF), Phase II Cell 3 lining system is substantially complete.

GeoSyntec CQC personnel have monitored, tested and documented installation of the soils and geosynthetic components of the Cell 3 lining system, including the prepared subgrade, compacted clay liner, granular leachate collection and detection layers, geosynthetic clay liners, geomembrane liners, geotextile cushion and filter layers, and leachate collection piping systems. Field reports, logs, geotechnical and geosynthetic testing reports and other associated documentation have been reviewed for accuracy and completeness. GeoSyntec is in the process of completing a final certification report including CQC documentation and record drawings on the construction of the Phase II Cell 3 project. The final certification report, which will include documentation on the placement of the protective layer component of the Cell 3 lining system, will be submitted in November 1999.

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Mr. William (Bill) A. Zebick
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Based on our observations and documentation, the OSDF Cell 3 lining system construction has been completed in accordance with the project specifications, drawings, CQA Plan, and approved design and/or specification changes. The construction has been in full compliance with applicable or relevant and appropriate requirements (ARARs), functional requirements and general design requirements described in the Design Criteria Package developed and approved during the design process. On the basis of our observations and testing it is anticipated that Cell 3 is ready to begin receiving impacted material meeting the OSDF waste acceptance criteria (WAC). In addition, the Leachate Conveyance System (LCS) is also ready to handle leachate from Cells 1, 2 and 3.

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,



Kwasi Badu-Tweneboah, Ph.D., P.E.
Certifying Engineer
Ohio P.E. No. E-55354

Copies to: J. D. Chiou, FDF
J. F. Beech, GeoSyntec
J. L. Burnett, GeoSyntec