

West Des Moines, IA

PROJECT: Harrison Co, FY25-27 On-Call Suppt, IA 27224470.00 DATE: 5/6/2025

SUBJECT: Harrison County Sanitary Landfill - 43-SDP-05-94P - Request to Abandon LPZ-1 TRANSMITTAL ID: 00001

PURPOSE: For your approval VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Sean Marczewski West Des Moines, IA	SCS Engineers	SMarczewski@scsengineers.com	+1-515-631-6152

TO

NAME	COMPANY	EMAIL	PHONE
Geoffrey Spain United States		geoffrey.spain@dnr.iowa.gov	

REMARKS: Geoffrey -

SCS Engineers, on behalf of the Harrison County Landfill Commission, is submitting the Request to Abandon LPZ-1 for the Harrison County Sanitary Landfill. If you have any questions or comments regarding this request, please contact me at the number below.

Thanks,  
Sean

Sean A. Marczewski  
Senior Project Professional  
SCS Engineers  
1690 All-State Court, Suite 100  
West Des Moines, Iowa 50265  
712-661-9682 (C)  
515-631-6152 (O)  
[smarczewski@scsengineers.com](mailto:smarczewski@scsengineers.com)

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	5/6/2025	Harrison County Sanitary Landfill - 43-SDP-05-94P - LPZ-1 Abandonment Request 05.06.2025.pdf	

COPIES:

Becky Jolly

## Transmittal

DATE: 5/6/2025  
TRANSMITTAL ID: 00001

Tyler Hinkel	(Harrison County Landfill)
Sean Marczewski	(SCS Engineers)
Tim Buelow	(SCS Engineers)
Christine Collier	(SCS Engineers)

May 6, 2025  
File No. 27224470.00

Mr. Geoffrey Spain  
Iowa Department of Natural Resources  
Land Quality Bureau  
6200 Park Avenue  
Des Moines, Iowa 50321

Subject: Request to Abandon LPZ-1  
Harrison County Sanitary Landfill  
Permit No. 43-SDP-05-94P

Dear Mr. Spain:

SCS Engineers, on behalf of the Harrison County Landfill Commission, requests permission to abandon the damaged leachate piezometer LPZ-1. Leachate piezometer LPZ-1 was inspected with a camera in Spring 2024 and was confirmed to be damaged. The inspection showed that the PVC well casing had shifted, and one joint was no longer connected, making an accurate leachate level measurement unobtainable. Leachate level measurements will continue at the other leachate piezometer, LPZ-2.

Iowa Administrative Code (IAC) 567-113.7(5)b.(3) requires that “an additional measuring device shall be installed to measure leachate directly on the liner in the least conductive drainage material outside of the sump and collection trench.” Existing leachate piezometer LPZ-2 fulfills this requirement for leachate head measurement within the municipal solid waste landfill (MSWLF) unit. Additionally, the liner elevation at leachate piezometer LPZ-2 is lower than the liner elevation at LPZ-1, and is at the approximate low point of the MSWLF unit that currently consists of Phases 1, 2, and 3A.

Liner elevations and leachate piezometer locations shown in the 1999 Olson Associates Phase 2 Expansion Overall Development Plan, which was obtained from the facility, were submitted with the original 2007 Landfill Permit Renewal dated January 12, 2007 (Doc #16804), and are included in Attachment A. The plan also shows the Phase 3 area that was never constructed. Revised phasing plans were submitted with the revised 2007 Permit Renewal in Appendix 2, Attachment 1 dated September 24, 2007 (Doc #9205) and approved on February 19, 2008 (Doc #16803). The revised phasing plan figure, which contains Phase 3A, is included in Attachment A. The Construction Observation Report – Phase 3A Cell dated October 2, 2020 (Doc #98569) includes the liner elevations of Phase 3A, which are higher in elevation than the liner elevation where LPZ-2 is located. The Phase 3A liner grades figure is included in Attachment A.

Based on the justifications above, the Harrison County Landfill Commission is requesting that LPZ-1 be removed from the leachate monitoring network, abandoned, and all associated monitoring requirements be rescinded from the existing landfill permit.



Mr. Geoffrey Spain  
May 6, 2025  
Page 2

If you have any questions regarding this request, please contact Sean Marczewski at (712) 661-9682.

Sincerely,

A handwritten signature in blue ink, appearing to read "Sean Marczewski".

Sean Marczewski  
Senior Project Professional  
SCS Engineers

A handwritten signature in blue ink, appearing to read "Timothy C. Buelow".

Timothy C. Buelow, P.E.  
VP – Senior Project Advisor  
SCS Engineers

SAM/TCB

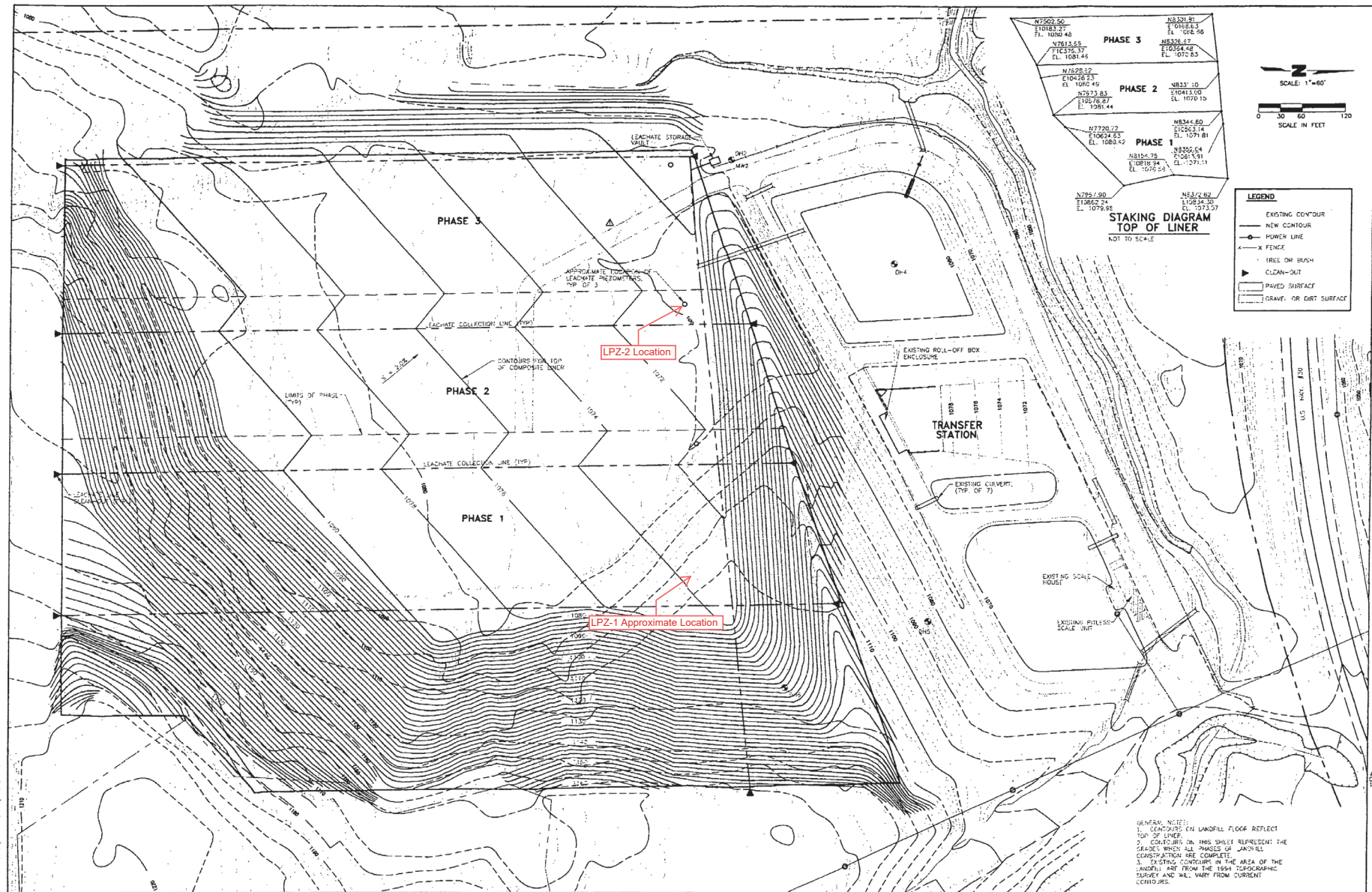
Mr. Geoffrey Spain  
May 6, 2025  
Page 3

## **Attachment A**

Sheet 2 of 6: Olson Associates 1999 Harrison County Landfill - Phase 2 Expansion Overall  
Development Plan

Sheet 8B: 2007 Permit Renewal – Phase 3A Expansion

Sheet 2: Construction Observation Report – Phase 3A Cell Liner Grades



CONSULTING ENGINEERS  
Suite 611, NBC Center  
Lincoln, NE 68508  
402-474-5311

OVERALL  
DEVELOPMENT  
PLAN

HARRISON CO.  
LANDFILL  
PHASE 2  
EXPANSION

LOGAN,  
IOWA  
1999

drawn by: CAP  
checked by: RAK  
approved by: WES  
project no.: 98-0465  
drawing no.: 1345-2  
date: 5/25/99  
revisions:  
A CHANGE TO REFLECT  
CONSTRUCTION DOCUMENTS  
10/23/00

THIS DRAWING WAS  
ORIGINALLY APPROVED  
AND SEALED ON  
06/25/99 BY WILLIAM S.  
STONER A LICENSED  
PROFESSIONAL ENGINEER  
IN THE STATE OF IOWA  
NO. 11380.

SHEET  
2 OF 6







Filename: M:\HARSW\2020\20003\_Construction Services\2020\20003\_CAD\Task 8 - Observation Report\Attachment A - As-Built Plan Set\SHL-2\_Phase 3A\_Liner Grades As-Built-MDC.dwg - Last Edited: Oct 01, 2020 14:38 - By: mccoy

