SITE survey. APP

SITE SURVEY REPORT

Confined Space Entry Permit

Prepared for	Clark Valley Water District
Date	14 Oct 2026
Site	Lift Station 3, Kettle Creek Road, Springfield, Ohio
Prepared by	D. Kowalczyk

FORM

Confined Space Entry Permit

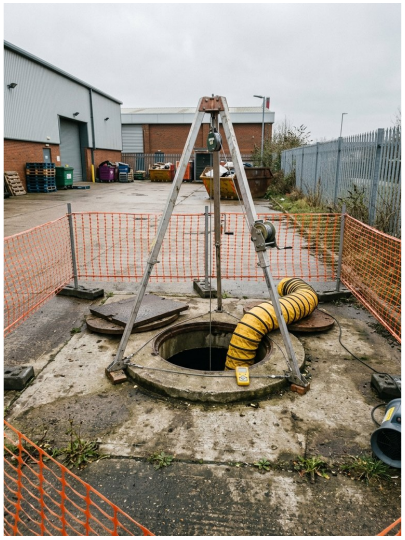
1. Permit, space and purpose

Project	Lift Station 3, Kettle Creek Road, Springfield, Ohio: wet well entry permit (completed example)
Site address	Lift Station 3, 418 Kettle Creek Road, Springfield, OH 45502
Client or owner	Clark Valley Water District
Location (GPS)	39.9412, -83.7726
Permit date	14 Oct 2026
Permit prepared by	D. Kowalczyk
Permit number	CVWD-CS-2026-117
Rules that apply	US: construction (29 CFR 1926 subpart AA)
Entry employer (whose workers enter)	Kettle Creek Pump Services LLC
Host employer or owner of the space	Clark Valley Water District

> US construction (29 CFR 1926 subpart AA). The entry employer prepares a permit before entry is authorized, and the entry supervisor named on it signs it before entry begins (1926.1205(a), (b)). The permit must identify the items in 1926.1206; this form follows that list. Make the completed permit available to entrants at the time of entry, for example posted at the entry portal (1926.1205(c)).

Space to be entered	Wet well, Lift Station 3
Type of space	Wet well or lift station
Way in and out	36 in square hatch, fixed ladder to the bottom, about 18 ft deep
Purpose of the entry	Replace both pump guide rails and the upper rail bracket. Pumps already lifted out. Bolting and hand tools only, no hot work.
Permit valid on	14 Oct 2026
From	07:30
Until	14:00
Confined space assessment or program reference	CVWD permit space program, space evaluation LS3-WW rev 2
Rescue plan reference	LS3-WW rescue plan rev 2

Photos of the entry point and its surroundings



2. Entry supervisor, attendants and entrants

Entry supervisor	D. Kowalczyk
How to reach them	Radio channel 3

Attendants 1: M. Reyes

Name	M. Reyes
On duty from	07:30
Until	13:30
How entrants are tracked	Named below, with times in and out

Authorized entrants 1: T. Okonkwo

Name	T. Okonkwo
Company	Kettle Creek Pump Services LLC
Trained for this entry?	Yes
Time in	08:20
Time out	12:45

Authorized entrants 2: J. Lindqvist

Name	J. Lindqvist
Company	Kettle Creek Pump Services LLC

Trained for this entry?	Yes
Time in	08:25
Time out	12:40
Entrants on the permit	2
Still shown as inside	0
Not marked as trained	0

3. Hazards, isolation and equipment

Hazards of this space	Hydrogen sulfide, Oxygen deficiency, Flammable gas or vapor, Engulfment or sudden inflow, Fall through the opening, Biological (sewage), Other
Other hazards, or more detail	Wet, slippery floor and residue on the walls. Inflow from the incoming gravity sewer if upstream flow is not held back.
Energy sources locked out and tagged	In place
Lines blanked, disconnected or double block and bleed	In place
Space drained, flushed or cleaned	In place
Space ventilated or purged, tested before and after	In place
Forced ventilation running and its intake in clean air	In place
Barriers at the opening against traffic, pedestrians and falls	In place
Lighting suitable for the atmosphere	In place
Ladder or safe way in and out in place	In place
Controls not in place	0
Not checked	0
Isolation points and lock or tag numbers	Pump 1 and pump 2 starters locked off at the control panel, locks KC-04 and KC-05. Incoming sewer plugged at the inlet with an inflatable plug, flow held in the upstream manhole and pumped round by bypass. Float switches disconnected.
If the ventilation stops, how an increase in hazard levels will be detected	Each entrant wears a 4-gas monitor with alarms set to the limits on page 4. Attendant watches the blower and calls everyone out if it stops.

Equipment provided	Gas monitor, Forced-air ventilation, Radios or other communications, Full-body harness, Retrieval line, Tripod and winch, Escape breathing apparatus, Ladder, Barriers and signs, Gloves, eye protection and coveralls, First aid kit
Gas monitor make and serial	4-gas monitors KC-GM-02 (pre-entry) and KC-GM-03, KC-GM-04 (worn)
Last calibration	30 Sep 2026
Bump or response test done today?	Yes
Other permits issued for work in this space?	No

4. Acceptable entry conditions and atmospheric tests

> US definitions. OSHA treats as hazardous an atmosphere with oxygen below 19.5 percent or above 23.5 percent by volume, flammable gas, vapor or mist over 10 percent of its lower flammable limit, or a substance above its OSHA dose or permissible exposure limit (29 CFR 1926.1202 and 1910.146(b)). Test first for oxygen, then combustible gases and vapors, then toxic gases and vapors (1926.1204(e)(3), 1910.146(d)(5)(iii)). Enter the limits your program sets for this space.

Oxygen at least (%)	19.5
Oxygen no more than (%)	23.5
Flammable no more than (% LEL)	10
H2S no more than (ppm)	10
CO no more than (ppm)	25
Other acceptable entry conditions	Limits from the CVWD permit space program. Blower running throughout. Bypass pump running and the inlet plug holding. Entrants out at any monitor alarm.
Monitoring during entry	Both
Interval between periodic tests	Every hour at the hatch, plus worn monitors
Entrants offered the chance to watch the tests?	Yes

Atmospheric test readings 1: 07:50

Time	07:50
When	Pre-entry, before ventilation
Where in the space	Top, middle and 2 ft off the floor
Oxygen (%)	20.6
Flammable (% LEL)	0

H2S (ppm)	8
CO (ppm)	1
Tested by (name or initials)	D. Kowalczyk
Against the acceptable entry conditions	Within the limits

Atmospheric test readings 2: 08:15

Time	08:15
When	Pre-entry, after ventilation
Where in the space	Top, middle and 2 ft off the floor
Oxygen (%)	20.9
Flammable (% LEL)	0
H2S (ppm)	1
CO (ppm)	0
Tested by (name or initials)	D. Kowalczyk
Against the acceptable entry conditions	Within the limits

Atmospheric test readings 3: 10:10

Time	10:10
When	During entry
Where in the space	Floor, by the inlet
Oxygen (%)	20.7
Flammable (% LEL)	2
H2S (ppm)	14
CO (ppm)	0
Tested by (name or initials)	T. Okonkwo (worn monitor alarm)
Against the acceptable entry conditions	Outside the limits
What was done	Entrants out by 10:13 and entry suspended. Leaking inlet plug re-inflated, well ventilated 30 minutes, retested before re-entry.

Atmospheric test readings 4: 10:55

Time	10:55

When	Before re-entry
Where in the space	Top, middle and 2 ft off the floor
Oxygen (%)	20.9
Flammable (% LEL)	0
H2S (ppm)	1
CO (ppm)	0
Tested by (name or initials)	D. Kowalczyk
Against the acceptable entry conditions	Within the limits

Atmospheric test readings 5: 12:00

Time	12:00
When	During entry
Where in the space	Floor, by the inlet
Oxygen (%)	20.9
Flammable (% LEL)	0
H2S (ppm)	2
CO (ppm)	0
Tested by (name or initials)	M. Reyes
Against the acceptable entry conditions	Within the limits
Readings	5
Outside the limits	1

> A reading was outside the acceptable entry conditions. Record what was done in that reading.

> Construction: the entry supervisor terminates entry. For a temporary condition that does not change the space or create a new hazard, the permit may be suspended and the space fully reassessed before re-entry; otherwise the permit is cancelled (1926.1205(e)).

5. Rescue, communication and authorization

Rescue arrangement	Combination
Rescue and emergency service	Attendant retrieval by tripod and winch; Springfield Fire Rescue technical rescue for entry rescue

How to summon them	Attendant radio, then 911 from the cell phone at the hatch
Rescue service confirmed available for this entry?	Yes
How entrants and the attendant keep in contact	Voice at the hatch and radio channel 3. Check-in every 15 minutes. No answer after one call: the attendant starts retrieval and calls 911.
Anything else entrants need to know	Bypass pump on the upstream manhole is checked by the attendant every 30 minutes.
Permit posted at the entry point, or otherwise available to entrants?	Yes
Entrants and attendants briefed on the hazards, conditions and rescue?	Yes
Before signing	Controls, pre-entry tests and rescue: nothing flagged
Entry supervisor authorizing entry	D. Kowalczyk
Time authorized	08:18
Entry supervisor signature	

6. Cancellation and problems found

Permit status	Cancelled: work complete
Time	12:50
All entrants out and accounted for?	Yes
Isolations removed or handed back?	Yes
Opening closed or guarded?	Yes
Problems during the entry	10:10 H2S alarm on T. Okonkwo's monitor at 14 ppm near the inlet. Both entrants out by 10:13. Entry suspended. The inlet plug had lost pressure and sewage was seeping past it. Plug re-inflated, well ventilated for 30 minutes, retested at 10:55 and the space reassessed before re-entry at 11:05. Plug pressure now on the attendant's 30-minute check.

Keep the cancelled permit for at least 1 year, for the review of the permit space program (1926.1205(f), 1910.146(e)(6)).

Photos of the space closed up



7. Follow-up and sign-off

Items needing action	1
Result	Action needed before re-entry

Actions 1: Add an inlet plug pressure check to the LS3-WW space evaluation and the permit's acceptable entry conditions.

Action	Add an inlet plug pressure check to the LS3-WW space evaluation and the permit's acceptable entry conditions.
Priority	Before the next entry
Who will do it	R. Haddad, CVWD safety
Due by	21 Oct 2026
Status	In progress

Actions 2: Send the plug with the slow leak back for inspection and use the spare until it is cleared.

Action	Send the plug with the slow leak back for inspection and use the spare until it is cleared.
Priority	Before any re-entry
Who will do it	D. Kowalczyk
Due by	15 Oct 2026
Status	Done, checked
Actions still open	1

Decision	Closed: follow-up actions listed
Next check or re-inspection date	21 Oct 2026
Summary for the client	Guide rails and the upper bracket replaced. Entry suspended once for 55 minutes after an H2S alarm at the inlet, caused by a leaking inlet plug. Space ventilated, retested and reassessed before re-entry. Permit cancelled at 12:50 with everyone out and the hatch closed.
Entry supervisor name	D. Kowalczyk
Entry supervisor signature	
Attendant name	M. Reyes
Attendant signature	