

File No. 02219702.00

Gas Collection and Control System Construction
Keegan Landfill
Weekly Update

Week of June 24, 2019

- Mobilization of construction equipment including excavator, dump trucks, office trailer, equipment trailer, generators, fusion machine
- Material Deliveries – perforated and solid HDPE pipe, stone backfill, odor neutralizer
- Please note that visible dust emissions possible during dumping of stone from trucks
- Surveyor onsite to layout horizontal collectors, header, laterals, vertical extraction wells
- Begin pipe fusion on landfill surface, no excavation or landfill disruption planned
- Awaiting issuance of Air and Solid Waste Permits

Week of July 1, 2019 – Planned Work

- Planned work days 7/1 through 7/3
- Possible work on 7/5 and 7/6 – dependent on weather and odor conditions
- Expected issuance of Air and Solid Permits
- Continue pipe fusion activities and material deliveries
- Begin excavation of horizontal collector trenches and header
- Enforce Odor Control Plan during excavation activities

Week of July 8, 2019

- Completed Work
 - Air Permit issued June 28, 2019 and Solid Waste Disruption Permit issued on June 27, 2019.
 - Over 700 feet of horizontal collectors have been completed to date
 - Monitoring station readings are checked hourly for increases in concentrations. No concentrations greater than 30 ppb for 30 minutes have been recorded during construction hours.
 - Odor Neutralizer has been regularly applied to the trenches and excavated waste.
 - Neighborhood odor checks are performed 3 times a day, prior to work start, midday and at the end of each work day. No offsite odors have been detected during construction hours.



- Planned work
 - Work is scheduled for Monday, July 8 through Saturday, July 13
 - Work will continue with excavation of horizontal collector trenches and installation of collector piping.
 - Horizontal collector installation is expected to be completed next week.
 - Hourly checks of the monitoring station concentrations, neighborhood odor checks and enforcement of the Odor Control Plan will continue.

Week of July 15, 2019

- Completed Work
 - Five out of six horizontal collectors have been completed to date.
 - Continuation of monitoring station hourly checks. No concentrations greater than 30 ppb for 30 minutes have been recorded during construction hours.
 - Continuation of regular application of odor neutralizer to the trenches and excavated waste.
 - Continuation of neighborhood odor checks 3 times a day, prior to work start, midday and at the end of each work day. No offsite odors have been detected during construction hours.
- Planned work
 - Work is scheduled for Monday, July 15 through Saturday, July 20
 - Work will continue with excavation of the main header trench and installation of piping starting on the southeast corner of the landfill.
 - Tentative date for start of well drilling activities is July 29.
 - Hourly checks of the monitoring station concentrations, neighborhood odor checks and enforcement of the Odor Control Plan will continue.

Week of July 22, 2019

- Completed Work
 - Approximately 1300 feet of header pipe have been installed in the past week.
 - Continuation of monitoring station hourly checks. No concentrations greater than 30 ppb for 30 minutes have been recorded during construction hours.
 - Continuation of regular application of odor neutralizer to the trenches and excavated waste, as necessary.
 - Continuation of neighborhood odor checks 3 times a day, prior to work start, midday and at the end of each work day. No offsite odors have been detected during construction hours.
- Planned work
 - Work is scheduled for Monday, July 22 through Saturday, July 27
 - Work will continue with excavation of the main header trench and installation of piping starting on the south side of the landfill.

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- Tentative date for start of well drilling activities has been moved to August 2 and will continue. Update will be provided by driller early next week.
- Hourly checks of the monitoring station concentrations, neighborhood odor checks and enforcement of the Odor Control Plan will continue.

Week of August 5, 2019

- **Completed Work**
 - Majority of main header pipe on the south side of the landfill has been installed including the main header to the flare station and the condensate drain line.
 - All 28 vertical extraction wells were drilled and completed by Friday, August 1.
 - Continuation of monitoring station hourly checks.
 - Continuation of regular application of odor neutralizer to the trenches and excavated waste, as necessary.
 - Continuation of neighborhood odor checks 3 times a day, prior to work start, midday and at the end of each work day. No offsite odors have been detected during construction hours.
- **Planned work**
 - Work is scheduled for Monday, August 5 through Saturday, August 10.
 - Work will continue with excavation of the main header trench and installation of piping on the south and west sides of the landfill.
 - Hourly checks of the monitoring station concentrations, neighborhood odor checks and enforcement of the Odor Control Plan will continue.

As of August 16, 2019

- **Completed Work**
 - Approximately 2,400 linear feet of 10-inch main header pipe on the south side of the landfill and around to the lowpoint on the southwest side of the landfill has been installed
 - The 12-inch main header has been installed down to the flare station.
 - The laterals from EW 1928 to EW-1907 have been installed.
 - The 10-inch main header has been pressure tested up to the first lowpoint.
 - The condensate drain lines from the first and second lowpoint traps have been installed down to the existing leachate cleanout riser has been installed.
 - All 28 vertical extraction wells were drilled and completed by Friday, August 1.
 - Continuation of monitoring station hourly checks.
 - Continuation of regular application of odor neutralizer to the trenches and excavated waste, as necessary.
 - Continuation of neighborhood odor checks 3 times a day, prior to work start, midday and at the end of each work day. No offsite odors have been detected during construction hours.
- **Planned work**
 - Work is scheduled for Monday, August 19 through Saturday, August 24.
 - Work will continue with excavation of the main header trench and installation of piping on the west side of the landfill.
 - Hourly checks of the monitoring station concentrations, neighborhood odor checks and enforcement of the Odor Control Plan will continue.

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LEGEND:

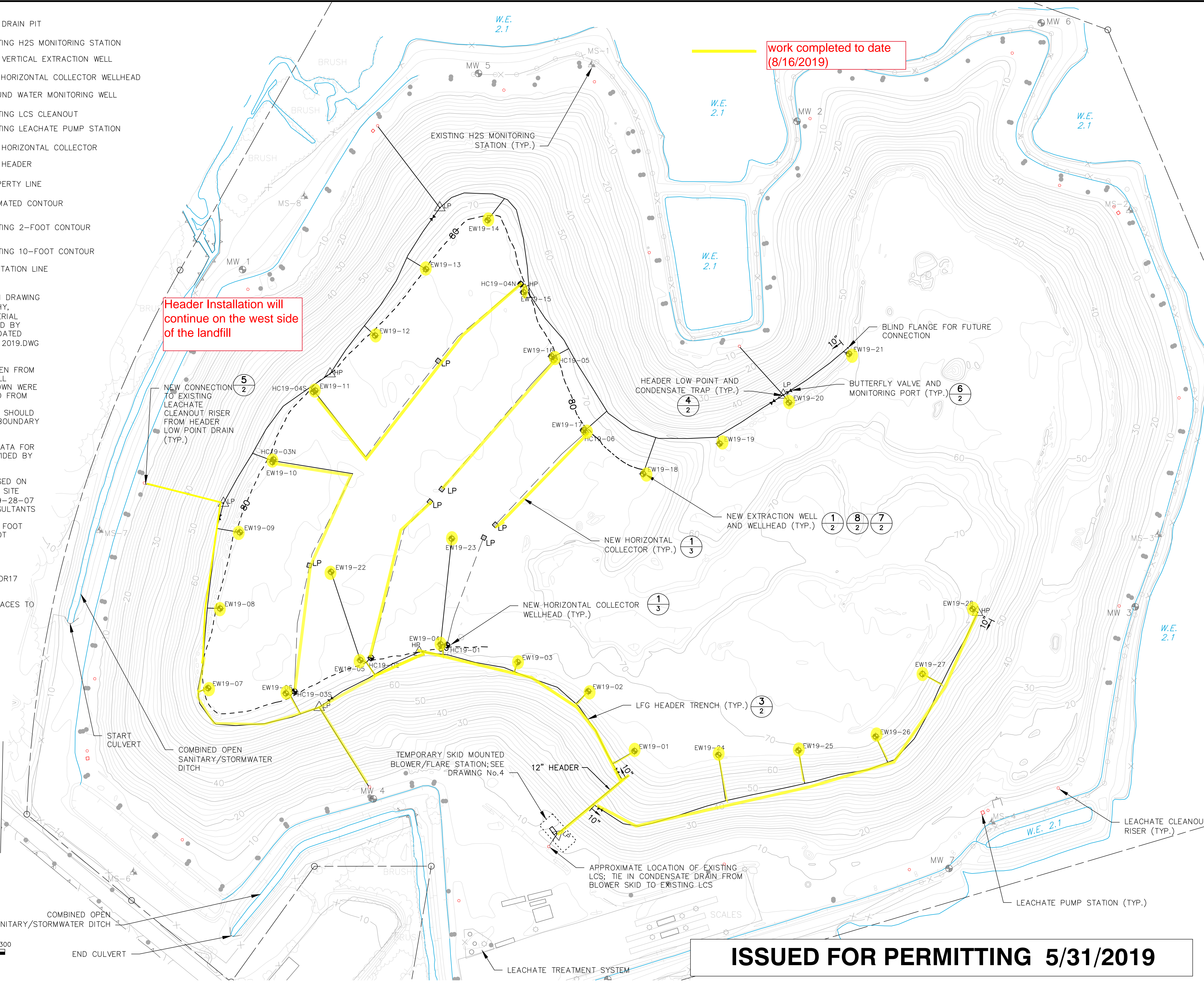
- NEW DRAIN PIT
- EXISTING H2S MONITORING STATION
- NEW VERTICAL EXTRACTION WELL
- NEW HORIZONTAL COLLECTOR WELLHEAD
- GROUND WATER MONITORING WELL
- EXISTING LCS CLEANOUT
- EXISTING LEACHATE PUMP STATION
- NEW HORIZONTAL COLLECTOR
- NEW HEADER
- PROPERTY LINE
- ESTIMATED CONTOUR
- EXISTING 2-FOOT CONTOUR
- EXISTING 10-FOOT CONTOUR
- VEGETATION LINE

- REFERENCES:
1. FEATURES DEPICTED BASED ON DRAWING ENTITLED 'EXISTING TOPOGRAPHY, KEEGAN LANDFILL' DATE OF AERIAL FLIGHT IS 03-18-19, PREPARED BY KUCERA INTERNATIONAL INC., DATED 3-18-19. (FILENAME: KEEGAN 2019.DWG FILE DATE 4-10-2019)
 2. BOUNDARY DEPICTED WAS TAKEN FROM BEST AVAILABLE SOURCES. ALL BEARINGS AND DISTANCES SHOWN WERE DERIVED FROM OR CALCULATED FROM DATA FURNISHED KUCERA INTERNATIONAL BY NJSEA AND SHOULD NOT BE USED AS THE LEGAL BOUNDARY OF RECORD.
 3. COORDINATE AND ELEVATION DATA FOR MONITORING WELLS WERE PROVIDED BY NJSEA.
 4. LCS CLEANOUT LOCATIONS BASED ON DRAWING ENTITLED "PROPOSED SITE IMPROVEMENTS PLAN" DATED 9-28-07 PREPARED BY CONVERSE CONSULTANTS
 5. FINAL CONTOUR BASED ON 30 FOOT OFFSET FROM EXISTING 70 FOOT CONTOUR.

CONSTRUCTION NOTES:

1. ALL LATERALS SHALL BE 4" SDR17 HDPE PIPE
2. RESTORE ALL DISTURBED SURFACES TO ORIGINAL CONDITIONS

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ISSUED FOR PERMITTING 5/31/2019

SITE PLAN	
PROJECT TITLE 2019 LFG COLLECTION SYSTEM KEEGAN LANDFILL	SHEET TITLE
CLIENT NEW JERSEY SPORTS & EXHIBITION AUTHORITY 1 DE KORTE PARK PLAZA, POB 640 LYNDHURST, NJ 07071	
CLIENT SCS ENGINEERS STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC. 4 EXECUTIVE BLDG. SUITE 303, SUFFERN, NY 10901 PH. (845) 357-1510 FAX. (845) 357-1049 DWG. NO. 02219702.00 DATE: 5/31/2019	
CADD FILE: 2019 Site Plan_5.31.19	
DATE: 5/31/2019	
SCALE: 1"=100'	
DRAWING NO. 1 of 4	
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