



West Lake Update

April 27, 2020

Upcoming Field Work at the West Lake Landfill

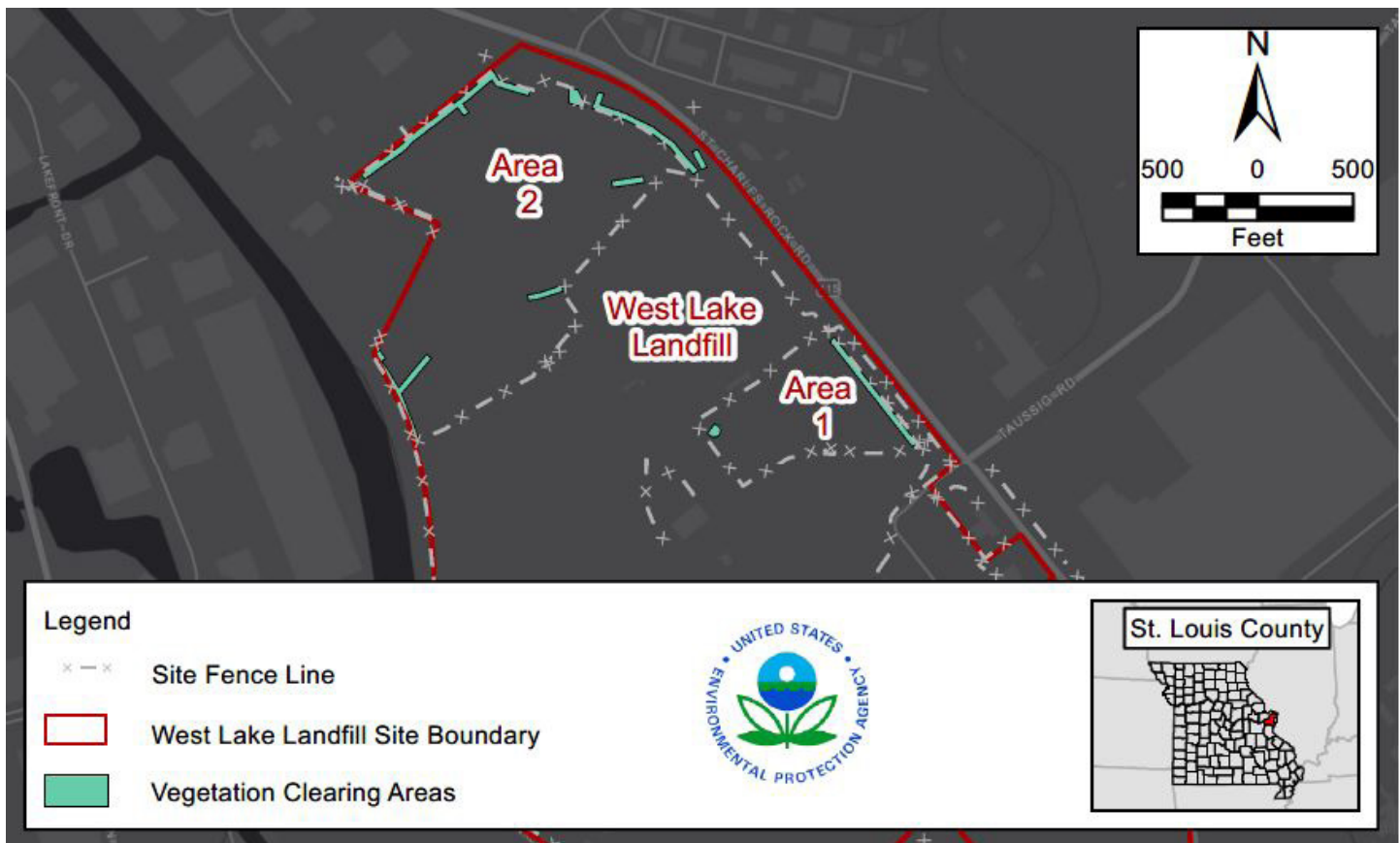
With the changing weather, the season for field work will be here soon. At the West Lake Landfill, the community living and working near the site can expect to see two projects take place in or near Operable Unit 1 (OU-1) this spring: vegetative clearing along the fence line and a stormwater management project.

Vegetative Clearing

The project expected to begin first involves vegetation clearing along portions of the OU-1 fence line in Areas 1 and 2. The purpose of the work is to ensure year-round increased visibility of signage posted on the OU-1 fence along and/or near the property boundary. In addition, this will allow for better maintenance of the fence and improved stormwater monitoring

inspections. The removal of this vegetation will not involve excavation, but rather the use of a brush hog or similar equipment, which can cut and grind woody vegetation without disturbing the underlying material. When necessary, the woody vegetation will be moistened to prevent dust from wood chipping. The woody vegetation, stumps, limbs, etc., cut during this field work will be covered by a geotextile fabric followed by 8 inches of crushed rock, consistent with the work conducted during the non-combustible cover field work.

This work will address comments made by the Pattonville Fire District on the OU-1 Emergency Response Plan. EPA will provide oversight of field work while observing proper social distancing. The figure below outlines where this vegetative clearing will take place.



Stormwater Management Project

Later this spring, construction crews will begin construction of a stormwater management basin near stormwater Outfall 8 at the Bridgeton Landfill. This new basin will provide temporary storage for stormwater runoff and provide separation of the stormwater runoff between Area 1 of OU-1 and the Bridgeton Landfill. The work conducted for this project will be primarily under oversight of the Missouri Department of Natural Resources (MDNR), though EPA also plans to have personnel at the site monitoring the progress. EPA will inform the community when the work is expected to begin.

The construction of the basin includes two phases. **Phase 1** will consist of work behind the existing fence within Area 1. During this phase, work crews will clear additional vegetation from the northeast portion of the Bridgeton Landfill currently located inside the Area 1 fence. This vegetation will be cleared in the same manner as described above for the vegetation along the OU-1 fence line.

After this vegetation has been cleared, a section of the fence around Area 1 will be moved to the north to align with the actual boundary of Area 1. This boundary was determined from historical aerial photos and confirmed by the sampling activities presented in the OU-1 Remedial Investigation Addendum. An additional boundary investigation and sampling will occur as part of the OU-1 Remedial Design. Currently, the fence surrounding Area 1 extends into parts of the Bridgeton Landfill that are not part of Area 1 and do not include radiologically impacted material, or RIM. While RIM is not expected to be encountered during

this project, contractors performing the work will follow the requirements in the Radiation Safety Plan for OU-1 when inside the existing OU-1 fence line until the new fence is installed. In addition, the existing air and stormwater monitoring programs for OU-1 will continue throughout the duration of this project.

Fill material will be placed so that stormwater will not run onto Area 1 from the Bridgeton Landfill. After placement of this fill material, a new 6-foot chain link fence and gates will be installed to secure Area 1.

Phase 2 of the project will include the construction of a stormwater management basin and improvements near stormwater Outfall 8, described in the Bridgeton Landfill stormwater permit. This basin has been designed to provide temporary storage for stormwater runoff from a large storm event. EPA does not anticipate this project will impact the implementation of the OU-1 remedy.

The Bridgeton Landfill is performing this stormwater improvement project in accordance with the requirements of Section XIII of the Final Consent Judgment, Case No. 13SL-CC01088-01, dated June 29, 2018, between the Bridgeton Landfill and the state of Missouri, and with approval from MDNR. While this stormwater project is an MDNR-lead project, EPA plans to monitor the field work. A figure showing the location of this work is available on the EPA West Lake Landfill Site Profile page: <https://semspub.epa.gov/work/07/30353403.pdf>

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