Ascon Remediation Progress, Cleanup Work

DTSC Department of Toxic Substances Control

COMPLETED

~125,000 cubic yards

of material removed during prior actions and disposed offsite to a CA-qualified landfill.

~100,000 cubic yards

of material has been excavated and consolidated since early 2019 as part of the cleanup.

~2,600 cubic yards

of Pit F material safely removed and disposed at a CA-qualified landfill.

~7,500 cubic yards

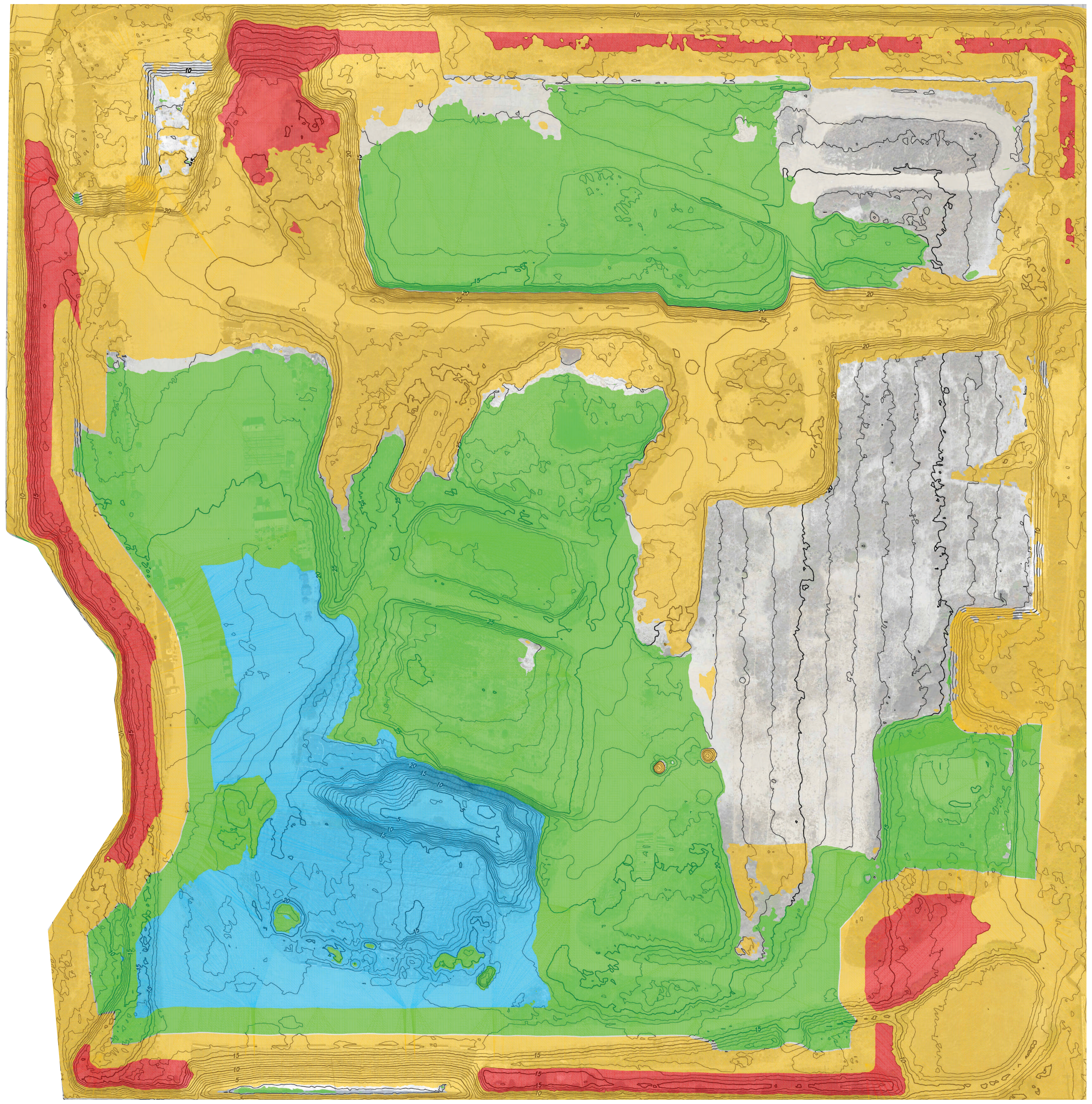
of material has been excavated and consolidated onsite during pilot test work and construction of the Lagoon 4 access road.

UPCOMING: Ascon Restart Work

~150,000 cubic yards

to be excavated, placed and regraded. Work is expected to take approximately 27 months and includes:

- Installing an engineered cover (cap) made up of clean soil and heavy-duty plastic barrier (geomembrane). This is designed to prevent exposure to the neighboring community and to be protective of human health and the environment.
- Removing the temporary barrier wall around the Site and installing a permanent fence along Hamilton Avenue and Magnolia Street.



DEEPER CUT	SHALLOW CUT	SOME FILL	MORE FILL
Areas for excavation		Areas to be filled and graded with excavated materials	

Grey space represents areas at final grade, 2019

Process Improvements

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DTSC and the Ascon team coordinated on significant process improvements based on lessons learned during work conducted in 2019 and onsite work and pilot testing completed since the shutdown.

TYPE OF WORK	2019 ACTIVITIES	PLANNED RESTART ACTIVITIES
Daily Excavation Rate	1,600 Cubic Yards/Day, 133 planned days	No excavation rate target, as slow as necessary, 318 planned days
Odor Suppressant Application	As needed	Constant 100% surface coverage in higher odor potential areas
Primary Odor Suppressant	Rusmar Foam	Posi-Shell®, CupriDyne Clean
Number of Onsite Workers	4-5	10-15, dedicated onsite Odor Interface Coordinator, DTSC presence
Open Excavation Area	Large (>10,000 square feet)	As small as necessary (<500 square feet in higher odor potential areas)
Work Sequencing	No special consideration	Excavation in higher odor potential areas will occur when Site conditions (wind speed, wind direction, temperature) are more favorable

Planned Air Monitoring During Restart Work

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Telemetry air monitoring network records total VOCs and dust data upwind and downwind of active work at six Site perimeter locations.

Concentrations downwind of the work area minus upwind contributions are compared to Site action limits, enabling swift response, if exceeded.

- **Onsite downwind air monitoring**: Onsite downwind monitoring for total volatile organic compounds (VOCs), H_2S (hydrogen sulfide) and odor; Odor Interface Coordinator (OIC) onsite to coordinate responses to odor.
- **Offsite air monitoring**: Four community air monitoring stations collect 24-hr samples for VOC analyses; 1-3 dedicated offsite personnel to observe for odors in the surrounding neighborhood during excavation in higher odor potential areas.
- **24/7 onsite perimeter air monitoring**: Six Site perimeter monitoring stations collect 24-hour air samples for analytical testing of VOCs and reduced sulfur compounds.
- **Telemetry stations**: Onsite perimeter air monitoring at six stations for dust and total VOCs will be posted to asconhb.com within two hours of collection during work hours.
- **Community information table**: Ascon information table at Edison Park for community members to learn more during excavation in higher odor potential areas.
- **DTSC oversight**: Onsite during active excavation.

Map is for illustrative purposes only. Boundaries and locations shown are approximate.

Onsite Telemetry air monitoring station for VOCs and dust

1-3 Offsite odor monitors

Onsite Interface Coordinator

Offsite air monitoring station for VOCs

Offsite air monitoring station for VOCs and dust

Site boundary

Onsite Odor Response

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If odor is detected at the Site Perimeter at a SCAQMD Odor Level 2 or greater for a duration of 1 minute or more during field work, this will be reported to the Odor Interface Coordinator (OIC) and trigger a response from the field team.

This applies to an odor observed by an Ascon onsite downwind monitoring technician, any other Ascon team member or a member of the DTSC oversight team.

Odor detected onsite within 100 feet downwind of excavation at SCAQMD Odor Level 3 or greater[1]

Odor detected at Site Perimeter at SCAQMD Odor Level 2 or greater

OIC and Team Notified

Pause excavation and cover with Posi-Shell®

Team evaluates current conditions and activities

Resume excavation with additional odor suppression

Odor continues to be detected at SCAQMD Odor Level 2 or greater at Site Perimeter

Continue excavation at reduced production rate and re-evaluate odor suppression effectiveness

Odor continues to be detected at SCAQMD Odor Level 2 or greater at Site Perimeter

Continue excavation with modified means and methods[2]

Odor continues to be detected at SCAQMD Odor Level 2 or greater at Site Perimeter

Team re-evaluates climatic conditions

Cease current excavation if conditions are unfavorable

Move excavation activities to different area, if possible

Cover excavation with Posi-Shell® at the end of work shift

1) Onsite downwind monitor will be stationed up to 100 feet downwind of the active excavation, depending on construction activities and health and safety considerations. If the excavation is within 100 feet of the downwind Site Perimeter, the onsite downwind monitor or fixed VOC/H2S monitoring equipment will be stationed at the downwind Site Perimeter. 2) Modifications include, but are not limited to, reduction of exposed excavation size and/or construction equipment used.

Offsite Odor Response

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Site Odor detected Offsite (SCAQMD Odor Level 1 or higher)

OIC and Team Notified

Team evaluates current conditions and activities

Continue excavation with additional odor suppression

Site odor detected offsite for a duration of 1 minute or more during field work will be reported to the Odor Interface Coordinator (OIC) and trigger a response from the field team.

This applies to an odor observed by an Ascon offsite odor monitoring technician, any other Ascon team member or a member of the DTSC oversight team. Up to three Ascon offsite odor monitoring technicians will perform offsite odor monitoring during field work.

Site Odor Continues to be Detected Offsite

Continue excavation at reduced production rate and re-evaluate odor suppression effectiveness

Site Odor Continues to be Detected Offsite

Continue excavation with modified means and methods[1]

Site Odor Continues to be Detected Offsite

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