



**ALVIC & ALUMINA QUARRY
MINE PLAN NOTES**
CA Mine ID # 91-36-0105
Reclamation Plan # 84M-012

Mine: Alvic & Alumina Quarry
Mineral: Alumina
Mine Operator: CEMEX Construction Materials Pacific, LLC
 4120 E. Jurupa Street, Suite 202,
 Ontario, CA 91761
 (909) 335-2736
 Christine Jones, christine.jones@cemex.com
Land Owner: CEMEX Construction Materials Pacific, LLC
 4120 E. Jurupa Street, Suite 202,
 Ontario, CA 91761
 (909) 335-2736
 Christine Jones, christine.jones@cemex.com
Applicant: Same as Operator
Owner of Mineral Rights: Same as Owner
Representative: Lilburn Corporation
 1905 Business Center Drive
 San Bernardino, CA 92408
 909-890-1818
Map Preparer: Same as Representative
Soil Engineer/Geologist: Terracon Consultants, Inc.
 1355 E. Colver Drive, Suite C
 Colton, CA 92324
 (909) 824-7311
 Jay Martin, Jay.Martin@terracon.com
Date of Map: June 2020
Utilities:
 Water: Water truck with water from Cemex wells at adjacent cement plant
 Sewage disposal: Portable toilets
 Electric: Not proposed
 Gas: Not proposed
 Telephone: Mobile phones
Land Use District:
 Project Site: Regional Industrial (RI) (no change proposed)
 The surrounding land uses are as follows:
 North BLM; Vacant desert land.
 South BLM; Vacant desert land.
 East BLM; Vacant desert land.
 West CEMEX; Black Mountain Plant and Quarry
Legal Description:
 APNs: 0464-051-02 (all), 24 (all), and 25 (portion)
 Acres: 535 acres (163-acre Reclamation Plan area)
0464-051-02
 Dixie Line NO 1 Placer Lot 8, S 1/2 NE 1/4 NW 1/4 and Lot 9 N 1/2 SW 1/4 NW 1/4 AND N 1/2 SE 1/4 NW 1/4 SEC 3; lots 10 AND 11, SEC 4 Dixie Line NO 2 PLACER S 1/2 NW 1/4 NE 1/4 AND N 1/2 SW 1/4 NE 1/4 SEC 3 and BELLE LODGE situated in NW 1/4 SEC 3 and IN NE 1/4 SEC 4; ALL IN TP 6N R 2W EX FROM BELLE LODGE All that PTN embraced in DIXIE LINE NO 1 PLACER DESC AS OF 9 SEC 3 AND Lot 11 SEC 4 TP 6N R 2W, ANL SURVEY NO 6453; PAT 1217529; 150.03 AC M/L
0464-051-24
 Alvic No 1 SE 1/4 Sec 4; Alvic No 3 Lot 5 of SW 1/4 Sec 4; Alvic No 4 S 1/2 S 1/2 NE 1/4 Sec 4 all in TP 6N R 2W, Pat No 1172247; 234.43 AC.
0464-051223
 Alvic No 2 SW 1/4 SEC 3; Alvic No 5 S 1/2 S 1/2 NW 1/4 Sec 3 TP 6N R 2W, Pat No 1172247; 234.43 AC.
Quarry Area: 163 acres
Reclaimed End Use: Open space
Mining: Conducted as described per the approved Reclamation Plan 84M-012
Signage (Public Safety):
 The site is not accessible to the public and access to the mine is not permitted and secured by a security gate. The reclaimed slopes will be posted informing the public of rock fall hazard. Warning signs of least 12" by 12" with contrasting background lettering will be installed every 250 feet along the pH high wall and shall typically read "Danger" "Open Pit Mine" and/or "Danger - Steep Slope" and "No Trespassing - Keep Out."
Plant and Tree Protection:
 Per the Desert Native Plants Act and County Code 88.01.060, preconstruction surveys will determine the number and viability of each plant to survive removal and transplanting to an area ready for reclamation for rare plants: smoke trees, mesquites, yucca, creosote rings 10 feet or greater in diameter, Joshua trees, desert ironwood, Palos verdes, cholla, Beavertail cactus. The baseline vegetation surveys did not identify any Joshua trees, smoke trees, mesquites, desert ironwoods, Palos verdes trees or creosote rings within the proposed reclamation plan boundary. Mojave yucca, pencil cholla, beavertail cactus and barrel cactus were identified and will be flagged and avoided or transplanted if feasible, and/or seeds collected for revegetation.

Revised By: **LILBURN CORPORATION**
 Date: _____
 No. _____
 Revision Description: _____

Scale: 1 inch = 300 feet
 Map Prepared By: Lilburn Corporation (TAG)
 Projection: CA SPCS, Zone 5, NAD83 US Feet
 April 2018

LEGEND

- Property Boundary (In-fee)
- Reclamation Plan Boundary 535 Acres
- Approved Mine Plan Boundary 28.7 Acres
- Unpatented Claim
- Planned Reclamation Limit (shown as white)
- T06N R02W USGS Township and Range
- APN: 0464-051-02 Parcel Line and Number

CRAG JOHNSON L.S. 7562
 LICENSED LAND SURVEYOR
 STATE OF CALIFORNIA

**MINE PLAN
ALVIC and ALUMINA QUARRY**
 RECLAMATION PLAN No. 84M-012
 CA Mine ID # 91-36-0105
 SAN BERNARDINO COUNTY, CALIFORNIA

CEMEX

SHEET INDEX

#	Title
1	Operations Summary and Notes
2	Mine Site
3	Reclamation Plan
4	Cross Sections and Details

Date: 06/20/20 (TAG)
 Date: 06/24/20 Mine Plan Alvic 2019 24.26 Agn
 Sheet **2** of **4**

Slope Stability (Appendix C)
 The California Professional Geologist/Certified Engineering Geologist and the California Certified Engineering Geologist, by stamping the *Slope Stability Investigation Report* for the *Final Reclamation Plan for CEMEX Alvic Quarry* prepared by Terracon Consultants, Inc. (May 2020) (attached in Appendix C) for CEMEX Construction Materials Pacific, LLC solely in respect to the report's scope of work, is accepting responsibility for its findings and recommendations within said report.
 We have completed the Slope Stability Investigation services for the above referenced project. This study was performed in general accordance with Terracon Proposal No. FC2020021 dated February 17, 2020. This report presents the findings of the data review, geologic mapping, laboratory testing and structural evaluation, and provides recommendations concerning suitable slope angles and heights for reclamation consistent with Surface Mining and Reclamation Act (SMARA) requirements.
 We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report or if we may be of further service, please contact us.
 Sincerely,
 Terracon Consultants, Inc.
 Jay Martin, C.E.G. 1529
 Principal Geologist

Aerial Mapping/Topography (Cooper Aerial Surveys Co.)
 This (topographic base) map has been produced according to procedures that comply with national standard for spatial data accuracy (NSSDA) for a contour interval of 1-foot and a map scale of 1" = 100'. Dash contours inside vegetated areas and shadow outlined areas may not meet mapping standards and should be field checked. The computer plotted map was generated from data compiled by digital stereo methods using aerial photography.
 TAKEN ON FEBRUARY 2, 2015.