Document	Consultant	Item #	Nonconformance/Opportunity for improvement	Recommendation description	Comments by Holcim	Complete/Not Complete
		1	Opportunity for improvement	Review the base EMP induction document for currency to assure it provides a sound basis for others delivering inductions	In progress	In Progress
		2	Opportunity for improvement	Toolbox pre-starts are logged in a Toolbox book - the wording in the EMP needs to be changed in the EMP to reflect this	In draft EMP document	In Progress
		3	Opportunity for improvement	Conisder changing some or all of the paper monitoring checklists to a more user-friendly system, such as tablet-based lists and or the use of photors to indicate non conformance	some can be changed to electronic format or consolidated to reduce	Complete
		4	Opportunity for improvement	Review the dust monitoring trends year on year can be useful in determining whether further dust mitigatino mesaures are warrangted	will present in first meeting 2021	Not Complete
		5	Opportunity for improvement	Given the importance of reactive dust moniring in providing real time off site dust impact evaluation, equipment faults and data outages should be reported and corrected quickly and effectively	Ongoing	Complete
	ERM	6	Opportunity for improvement	Investigate relocating the surface water sampling point to avoid the influence of natural run off	Not started	Not Complete
		7	Opportunity for improvement	Amend the water quality monitoring procedure to require testing to be done at the sampling location, rather than samples removed to the office for testing	Tubidity testing requires 240v Power so this can not be done in the field. It is tested within 20min of sampling	Complete
		8	Opportunity for improvement	Testing of running water downstream of the V-notch weir should also be conducted to confirm quality of run off		
		9	Opportunity for improvement	Provide inspection peronnel with further information on what to look for whend etermining whether there is an algal bloom in the dam		
2020 EMP annual report		10	Non Conformance	Ensure the annual evaluation of groundwater monitoring and assessment of beneficial use on surrounding properties are completed by the nominated specialist conustants	Completed, the report was available within 1 week of audit, was a timing issue	Complete
		11	Opportunity for improvement	Implement the additional minor remedial measures recommended by the consultant report on the slope stability inpsection	In progress	In Progress
		12	Opportunity for improvement	Amend the targets included in s.2.6.2 of the EMP as these have been superseeded	In draft EMP document	In Progress
		13	Opportunity for improvement	Seek expert input ito asssit in determining the significantce of rabbit damabge in the Net Gain Offset area whether a rabbit-proof fence is warranted to mitigate the damage	Continue to montior through monthly inpsections, no reports of rabbits YTD	Complete
		14	Opportunity for improvement	Organise for collection any waste oil drums as storage bin is overloaded	Complete	Complete
		15	Non Conformance	In assessing what further waste reductions might be achievable, Holcim should engage with other similar company sites within Australia and elsewhere		
		16	Opportunity for improvement	Items were noted in the equipment graveyard (vehicle, gas cylinders) that need checking for hazardous contents and appropriate disposal	50% complete	In Progress
		17	Opportunity for improvement	Holcim should involve Naturelinks in the LRMP review so that lessons learnt from the rehabilitation successes and setbacks to date can be incorporated into the revised Palan, thereby improving the success rate going forward	Agree	In Progress
		18	Opportunity for improvement	Recommendations in the Naturelinks reports related to rehabilitation and the dieback occurance on the NE shlopes should be implemented as part of the LRMP review	Agree	In Progress
		19	Opportunity for improvement	Legible location maps shoulbd be included in weed spraying work scope forms so that overspraying doesnt occur and a more targeted approach can be developed	Complete	Complete
2019 Slope stability review	AECOM	1	Opportunity for improvement	Introduce additional vegetation at the crest of a scarp at "Back scarp of large historical landslide" (refer Attachment 1), as it appeared to be freshly eroded and retreating	In review with naturelinks, planning Autum 2021	In Progress
		2	Opportunity for improvement	Fill animal burrowing holes and revegetate scarps at Mass11;		Not Complete
		3	Opportunity for improvement	Revegetation of scarp surfaces with grasses proposed at Mass08 and Mass13; and	In review with naturelinks, planning Autum 2021	Not Complete
		4	Opportunity for improvement	Remedial treatments previous proposed for Mass13 Dam remain, as this has not yet been undertaken. These are aimed at establishing a permanent freeboard and reinstating the dam embankment. Whilst the dams are typically located remotely to existing downslope infrastructure, should failure occur, the more detailed assessment of runout paths should be undertaken to assess the risk, if any, topotential for downslope damage exists. In the case of the dam at Mass13, more detailed assessment of runout paths should be undertaken to assess the risk, if any, to infrastructure.	Review with Aecom	In Progress
2020 Future works recommendations	Naturelinks	1	Opportunity for improvement	Increase biodiversity of direct seeding mix and include Poa labililardierei, Poa sieberiana var. sieberiana and Austrostipa rudis subsp. rudis. Include Acacia and Eucalyptus seed in mix at sow rates of 1kg/ha of mixed Acacia/Eucalyptus seed. Full species list to be confirmed	Agree - Tie in with LRMP review	In Progress
		2	Opportunity for improvement	Pre-treat all Acacia seeds and use Wattle Grow to enhance seedling survival (Thrall et al, 2001 and Carr et al, 2007)	not specific to LRMP, but consider at the time of hydroseeding	In Progress
		3	Opportunity for improvement	Explore the possibility of identifying and isolating locally specific soil bacteria and/or mycorrhizae. Isolate and inoculate soil prior to revegetation works. Note that this would require soil scientists and significant research and investment.	Manage in line with existing LRPM requirements for soil testing in the event of contamination	In Progress
		4	Opportunity for improvement	Install Mulch circles around each plant using recycled pallet mulch MR20 at a depth of 10mm at a 50cm radius around each individual plant (to be blown in)	Consider at each planting event where available	In Progress
		5	Opportunity for improvement	Stage all plantings for both understory and mid and upper story plantings over a minimum of 3-5 years following direct seeding. Both under and mid story plantings have increased success once an overstory is beginning to establish	Consider at each planting event where available	In Progress
				Set up irrigation system for SE Extraction – focusing on trouble areas and areas difficult to access		

## HOLCIM EMP CONSULTANT RECOMMENDATIONS 11/2020

Document	Consultant	Item #	Nonconformance/Opportunity for improvement	Recommendation description	Comments by Holcim	Complete/Not Complete
		7	Opportunity for improvement	Expand species lists to allow for local species found in drier areas ideally from Dry Forest and Shrubby Foothill Forest EVC's which exist/existed both within the quarry area and in the immediate surrounds. Table 2 outlines species local to the area more tolerant of drier soils and conditions more appropriate for areas of SE Extraction. This factors in soil, slope and aspect. These species are tolerant of dry, shallow soils, North to North Westerly aspect and steep slopes as exhibited at SE Extraction areas.	Agree	In Progress
		8	Opportunity for improvement	Where possible decrease slope angle of future revegetation areas.	Not Applicable - already shallower than minimum requirements (minimum 1:1.5, currently 1:2.5)	In Progress
		1	Opportunity for improvement	Diversify seed mix and include Poa species, Austrostipa sp and other appropriate species	Include in LRPM review	In Progress
	Naturelinks	2	Opportunity for improvement	Brushcut biomass and follow-up spray works - 2x runs per annum	build into 2021 plan, where available slashing will assist	In Progress
		3	Opportunity for improvement	Plant and direct seed with appropriate species following control reference appendix 2	Agree - tie in with LRMP review	In Progress
		4	Opportunity for improvement	Seasonal Ecological burn of understory followed by intense weed control and localised direct seeding.	Not permitted	Complete
		5	Opportunity for improvement	Knapsack spray of germinating Avena - 2 x visits	Build into 2021 plan	In Progress
		6	Opportunity for improvement	Setup irrigation systems and easy access tank for SE extraction areas	omplete, additional irrigation lines being added throughout 202	Complete
		7	Opportunity for improvement	Use watering budget on areas where irrigation systems unavailable	agree	Complete
		8	Opportunity for improvement	Adjust species list to accomodate more dry tolerant species found in the area	Agree - tie in with LRMP review	Complete
		9	Opportunity for improvement	Provide mulch circles around all future plantings	Consider during each planting	In Progress
2020 rehabilitation progress report		10	Opportunity for improvement	Increase biodiversity in all strata - includes planting and seed mix	Agree - tie in with LRMP review	In Progress
		11	Opportunity for improvement	Infill planting to be staged over minimum 3-5 years after initial planting, this ensures plantings and species lists can be adapted to more suitably reflect differing site conditions during management of revegetation	Agree - monitor based on annual reports	Complete
		12	Opportunity for improvement	Decrease slope in furture revegetation areas	Not Applicable - already shallower than minimum requirements (minimum 1:1.5, currently 1:2.5)	Complete
		13	Opportunity for improvement	Avoid soil compaction (no vehicles or heavy machinery on revegetation surfaces after topsoil spread)	Already in practise, once topsoil has been spread no access	Complete
		14	Opportunity for improvement	Increase depth of topsoil	Minimum 200mm as per approvals	Complete
		15	Opportunity for improvement	Staged understory plantings over a minimum of 2-5 years after direct seeding	Include in LRMP review	In Progress
		16	Opportunity for improvement	Do not plant cells, insufficient root establishment orccurs prior to summer, high mortality of cells	Target autum planting or increase watering	In Progress
		14	Opportunity for improvement	Increase diversity, - plant more dianella, continually enhance species list (reference appendix 1 and 2)	Agree - Tie in with LRMP review	In Progress
2020 Die Back Report	Naturelinks	1	Opportunity for improvement	Infill plantings of dry tolerant species -500 individuals.	complete - a total of 1700 Plantings have been completed	Complete
		2	Opportunity for improvement	Increase diversity of plantings and include some tall and low shrub plantings.	Agree - tie in with LRMP revoew	In Progress
		3	Opportunity for improvement	Minimum of 2 x broadleaf weed control visits per annum, using broadleaf specific herbicide only (e. g. Lontrel). High weed infestations present through large areas of the site are likely to result in reduced recruitment of desired species. Weed cover is significantly denser in areas exhibiting high rates of dieback.	Agree - brushcutting / slashing in addition to chemical application	In Progress
		4	Opportunity for improvement	Supplementary watering provided for two years following all infill plantings (Dec-March or as required	agree - in progress	In Progress
		5	Opportunity for improvement	Access track provided through site to ensure access for future management vehicles, to ensure effective and efficient watering and weed control.	In review with Naturelinks - additional access gates may assist	In Progress