S/003/0033
Task ID# 5823
cc: Lynn

Form MR-Site/Bond Release
(December 21, 2006)

Application for Site and/or Bond Release

Operator/Permittee: Star Stone Quarries Inc.

Mine/Project Name: Lion Heart

File Number: S/003/0033

Check One:

☐ Large Mine ☒ Small Mine ☐ Exploration

Check one:

☐ Partial Release of a portion of the mine site: Acres to be released: ____ Acres Remaining: ____
Specify Area: ____

☐ Full Release of a portion of the mine site: Acres to be released: ____
Specify Area: ____
(A new map will need to be provided for the Notice or plan removing the released area from the disturbed or bonded area.)

☐ Partial Release of entire mine site: Total Acres to be released: ____
(Backfilling and grading are completed)

☒ Full Release of entire mine site: Total Acres to be released: ____
(Vegetation is established and has survived three growing seasons.)

Amount of Existing Surety: $5,000.00

Amount of Surety requested for release: ____

Reason for Bond Release Request:
Mine Fully Reclaimed

Complete this section if the money released from this application is to be used as surety for future disturbance.

Release bond on: ____ Acres (specify area) ____

Apply Bond to: ____ Acres (specify area) ____

Check Applicable Boxes		DESCRIPTION of RECLAMATION ACTIVITIES COMPLETED (Describe any variance(s) that have been granted, date activity completed)
	Wells Plugged / shafts sealed	
✓	Disposal of debris & other materials incident to mining	

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✓	Drainages, reestablished & stable	
	Structures demolished / removed	
✓	Regrading Completed – Slopes, pits, highwalls in stable condition.	
✓	Meets Postmining Land Use (Indicate Landuse)	Grazing and Wildlife Habitat
✓	Roads Reclaimed	
	Dams, Impoundments, Ditches, Pits reclaimed	
✓	Topsoil respread – amendments added	
✓	Erosion Controlled	
✓	Vegetation meets 70% of premining cover and has survived three years for full bond release – or has survived one year growing season to maintain small mine status.	

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments and obligations, herein.

Leo Dumas
Print Name

Leo Dumas Pres.
Sign Name, Position

1-16-14
Date

Return to:

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
Phone: (801) 538-5291 Fax: (801) 359-3940

FOR DOGM USE ONLY:
File #: M/ /
Approved:
Bond Adjustment from ($)
to $

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State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

MICHAEL R. STYLER
Executive Director

JOHN R. BAZA
Division Director

Inspection Report
Minerals Regulatory Program
December 17, 2013

Reviewed: PBB

Mine Name: Lion Heart	**Permit Number:** S/003/0033
Operator Name: Star Stone Quarries, Inc.	**Inspection Date:** June 5, 2013
Inspector(s): Lynn Kunzler, Steve Schneider, DOGM	**Time:** 9:00 am
Other Participants: None	**Mine Status:** Reclaimed

Elements of Inspection	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	☒	☒	☐
2. Public Safety (shafts, adits, trash, signs, highwalls)	☒	☐	☐
3. Protection of Drainages / Erosion Control	☒	☐	☐
4. Deleterious Material	☐	☐	☐
5. Roads (maintenance, surfacing, dust control, safety)	☐	☐	☐
6. Concurrent Reclamation	☐	☐	☐
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts,	☒	☒	☐
8. Soils	☐	☐	☐
9. Revegetation	☒	☒	☐
10. Other	☐	☐	☐

Purpose of Inspection:
Routine Inspection Anticipation of Bond Release Request due to this being third growing season.

Inspection Summary:
Permit fees are not required for sites completely reclaimed while waiting for revegetation to be successful.

This site was completely reclaimed in 2010. The pit was backfilled, the highwall has been eliminated, and the access road going to the pit was regraded and seeded as well. The only access to the quarry area is by foot. There was no evidence of wheeled vehicles accessing the site. Three years after reclamation work was completed, the site is stable with no signs of erosion on the site or settling along the highwall or road cut. Vegetation has been established with an average ground cover of 48%, which is more than the 70% standard of the surrounding area (54% ground cover in surrounding areas). A diverse community of forbs, shrubs and grasses is well established, common species include thickspike wheatgrass, crested wheatgrass, forage Kochia, sweet vetch, and sagebrush. The post-mining land-use of the area is grazing and wildlife habitat. This is considered to have been achieved due to evidence (tracks and scat) of grazing animals and wildlife.

Photos were taken to document site conditions.

Conclusions and Recommendations:
This site has been successfully reclaimed. The operator needs to submit form MR-Site, which is available on the Division's web site to initiate final bond release. Since this site is on BLM administered lands, the Division will need to have concurrence from the BLM to release the surety.

Inspector's Signature _____

cc: Lon Thomas, Operator
Larry Garahana, BLM (lgarahan@blm.gov)
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