| Mine: | | Lorencito | | _ | | | |
|----------|-------------|-----------------------|--|------------|---------------|------|----------|
| NPDES | ID. No.: | <u>Pond #5</u> | | _ | | | |
| Inspect | ion Period | : <u>First Quart</u> | er 2021 | _ | | | |
| Inspect | ion Date: | 3/31/2022 | | _ | | | |
| Genera | l Descripti | on or Reference to | Site Plan: | | | | |
| bedrocl | k and the e | | of mining scheduled for into bedrock. Side slope ainage. | | • | | to |
| EMBAN | IKMENT | | | | | | |
| 1. | Adequac | y of the vegetative | cover: | Excellent | Moderate | Few | Poor |
| 2. | = | orming Gullies: | | Extensive | Some | Few | None |
| 3. | | ction causing erosion | | | | | |
| | | On the upstream er | | Yes | | No | |
| | | At the principal spil | lway inlet? | Yes | | No | Х |
| 4. | Erosion o | of the downstream | toe of the embankment | ? Yes | | No | Х |
| | | Cause of erosion ca | n be attributed to: | | | | |
| | | | | | | | |
| 5. | Is seepag | ge occurring through | n the dam? | Yes | | No | Х |
| | | Could this seepage | cause potential instabili | ty? | | | |
| | | | | | | | |
| PRINICI | IPAL SPILLI | WAY | | | | | |
| 1 | le the ·-· | nainal anilluugu avat | on in working and2 | Voc | V | No | |
| 1. 2. | • | | em in working order? I restrictive material? | Yes Yes | X | | |
| 2. 3. | | | of restrictive material? | Yes | X | | |
| 4. | | n occurring at the d | | Yes | | No | |
| | | J | - | | | _ | <u> </u> |
| | Evaluate | the severity: | Extensive | Moderate | Just Starting | None | |

| EMER | GENCY SPILLWAY | | |
|-------|--|---------------------------------|----------------------|
| 1. | Does it appear that the emergency spillwa | y has discharged water since | the last inspection? |
| | | YES | NO <u>X</u> |
| 2. | Is erosion occurring at any section of the e | emergency spillway? | |
| | | YES | NO <u>X</u> |
| SEDMI | MENT STORAGE CAPACITY | | |
| 1. | Has the design storage capacity of the rese | ervoir been surpassed? YES | NO <u>X</u> |
| | Explain: Sediment in pond does not appea | ar to be over capacity by visua | ıl inspection. |
| ОТНЕБ | R OBSERVATIONS | | |
| | Pond was empty at time of inspection. | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

NPDES ID. No.: 5

| Mine: | | Lorencito | | _ | | | |
|----------------|--|---------------------------------------|--------------------------|--------------------|-------------------|-------------|------|
| NPDES I | D. No.: | Pond #6 | | _ | | | |
| Inspecti | on Period: | First Quarter 20 | 21 | _ | | | |
| Inspecti | on Date: | 3/31/2022 | | _ | | | |
| | Description or Ro | | Plan: ining scheduled fo | r 2001-2002. Th | e pond is partial | lly incised | |
| | lrock and the emb ges south into Jeff | · · · · · · · · · · · · · · · · · · · | nto bedrock. Side s | slopes are less tl | nan 2H:1V. The լ | orimary | |
| EMBAN | KMENT | | | | | | |
| 1. | Adequacy of the | vegetative cover | : | Excellent | Moderate | Few | Poor |
| 2. | Erosion forming | Gullies: | | Extensive | Some | Few | None |
| 3. | Is wave action ca | ausing erosion: | | | | | |
| | On the | upstream emban | kment? | Yes | | No | Χ |
| | At the p | orincipal spillway i | inlet? | | | No | Χ |
| 4. | Erosion of the do | ownstream toe of | the embankment? | Yes | | No | Х |
| | Cause o | of erosion can be a | attributed to: | | | | |
| | | | | | | | |
| 5. | Is seepage occur | ring through the | dam? | Yes | | No | Χ |
| | Could th | his seepage cause | potential instabili | ty? | | | |
| | | | | | | | |
| DDINICII | PAL SPILLWAY | | | | | | |
| · ············ | ALSITEEVAL | | | | | | |
| 1. | Is the principal s | pillway system in | working order? | Yes | X | No | |
| 2. | | of debris and resti | - | Yes | X | No | |
| 3. | Is the discharge | outlet free of rest | rictive material? | Yes | Χ | No | |
| 4. | _ | ing at the dischar | | Yes | | No | Χ |
| | | | | | | | |
| | Evaluate the sev | erity: | Extensive | Moderate | Just Starting | None | |

| | | | NPDES ID. No.: 6 |
|--------|--|----------------------------------|---------------------|
| MERG | GENCY SPILLWAY | | |
| 1. | Does it appear that the emergency spillw | yay has discharged water since t | he last inspection? |
| | | YES | NO <u>X</u> |
| 2. | Is erosion occurring at any section of the | emergency spillway? | |
| | | YES | NOX |
| SEDMII | MENT STORAGE CAPACITY | | |
| 1. | Has the design storage capacity of the re | servoir been surpassed? YES | NO <u>X</u> |
| | Explain: Visual observation | | |
| | | | |
| | | | |
| OTHER | OBSERVATIONS | | |
| | Pond was holding water but not near the | level of the decant | |

| Mine: | | Lorencito | | _ | | | |
|----------|------------------|-----------------------------------|---|------------------------|------------------|------------|--------------|
| NPDES | ID. No.: | Pond #7 | | _ | | | |
| Inspect | ion Period: | First Quarte | r 2021 | _ | | | |
| Inspect | ion Date: | 3/31/2022 | | _ | | | |
| Genera | l Description or | Reference to S | te Plan: | | | | |
| into be | drock and the e | | of mining scheduled for ed into bedrock. Side s page. | | • | - | |
| EMBAN | IKMENT | | | | | | |
| 1. 2. | Erosion formin | _ | | Excellent Extensive | Moderate Some | Few Few | Poor None |
| 3. | | causing erosion ne upstream em | | Yes | | No_ | Х |
| | | e principal spillv | | | | No | X |
| 4. | Erosion of the | downstream to | e of the embankment? | Yes | | No | Х |
| | Cause | e of erosion can | be attributed to: | | | | |
| | | | | | | | |
| 5. | Is seepage occ | curring through | the dam? | Yes | | No | X |
| | Could | I this seepage ca | use potential instabilit | ty? | | | |
| | | | | | | | |
| | DAL COULVAN | | | | | | |
| PRINICI | PAL SPILLWAY | | | | | | |
| 1. | | | n in working order? | Yes | <u>X</u> | | |
| 2. 3. | | | restrictive material? restrictive material? | Yes Yes | X X | No No | |
| 3. 4. | _ | urring at the dis | | Yes | Λ | No | Х |
| | Evaluate the s | _ | Extensive | Moderate | Just Starting | None | |

| | | | NPDES ID. No.: 7 |
|-------|---|--------------------------------|----------------------|
| MERG | ENCY SPILLWAY | | |
| 1. | Does it appear that the emergency spill | way has discharged water since | the last inspection? |
| | | YES | NO <u>X</u> |
| 2. | Is erosion occurring at any section of th | e emergency spillway? | |
| | | YES | NOX |
| EDMII | MENT STORAGE CAPACITY | | |
| 1. | Has the design storage capacity of the r | | NO <u>X</u> |
| | Explain: Visual observation | | |
| | | | |
| THER | OBSERVATIONS | | |
| | Pond was holding some water but not r | near the level of the decant. | |
| | | | |
| | | | |
| | | | |

| Mine: | | Lorencito | | _ | | | |
|----------|-----------------|--------------------------------------|--|------------------------|------------------|------------|--------------|
| NPDES | ID. No.: | Pond #8 | | _ | | | |
| Inspect | ion Period: | First Quart | er 2022 | _ | | | |
| Inspect | ion Date: | 3/31/2022 | | _ | | | |
| Genera | l Description o | or Reference to | Site Plan: | | | | |
| into be | drock and the | | of mining scheduled fo yed into bedrock. Side s inage. | | • | - | |
| EMBAN | IKMENT | | | | | | |
| 1. 2. | Erosion form | _ | | Excellent Extensive | Moderate Some | Few Few | Poor None |
| 3. | | on causing erosic the upstream en | | Yes | | No | Х |
| | | he principal spill | | | | No | X |
| 4. | Erosion of th | e downstream t | oe of the embankment? | Yes | | No | Х |
| | Cau | se of erosion ca | n be attributed to: | | | | |
| | | | | | | | |
| 5. | Is seepage o | ccurring through | the dam? | Yes | | No | Х |
| | Cou | ld this seepage | cause potential instabili | ty? | | | |
| | | | | | | | |
| | | | | | | | |
| PRINIC | PAL SPILLWAY | Y | | | | | |
| 1. | | | m in working order? | Yes | X | No | |
| 2. | | | restrictive material? | Yes | X | No | |
| 3. 1 | | _ | f restrictive material? | Yes | X | No | |
| 4. | 15 61 051011 00 | curring at the di | scharge outlet! | Yes | | No | ^ |
| | Evaluate the | severity: | Extensive | Moderate | Just Starting | None | |

| EMERG | ENCY SPILLWAY | | |
|--------|--|---------------------------------|----------------------|
| 1. | Does it appear that the emergency spillwa | ay has discharged water since | the last inspection? |
| | | YES | NO <u>X</u> |
| 2. | Is erosion occurring at any section of the | emergency spillway? | |
| | | YES | NO <u>X</u> |
| SEDMII | MENT STORAGE CAPACITY | | |
| 1. | Has the design storage capacity of the res | ervoir been surpassed? YES | NO <u>X</u> |
| | Explain: Visual observation | | |
| OTHER | OBSERVATIONS | poput lovel. No signs of recent | discharges |
| | Pond was holding water well below the de | ecant level. No signs of recent | uisciiai ges. |
| | | | |
| | | | |

NPDES ID. No.: 8

| Mine: | | Lorencito | | _ | | | |
|----------------------|----------------|---|---|--------------------------|------------------|----------------|--------------|
| NPDES | ID. No.: | Pond #9 (N | lorth) | _ | | | |
| Inspect | ion Period: | First Quart | er 2022 | _ | | | |
| Inspect | ion Date: | 3/31/2022 | | _ | | | |
| Genera | l Description | or Reference to | Site Plan: | | | | |
| into be | drock and the | | of mining scheduled for eyed into bedrock. Side ed drainage. | | | - | |
| EMBAN | IKMENT | | | | | | |
| 1. 2. 3. | Erosion form | f the vegetative on the first file of the | | Excellent Extensive | Moderate Some | Few Few | Poor None |
| Э. | | the upstream er | | Yes | | No | X |
| | At | the principal spil | lway inlet? | Yes | | No | X |
| 4. | Erosion of th | ne downstream t | oe of the embankment | ? Yes | | No | Χ |
| | Cau | use of erosion ca | n be attributed to: | | | | |
| 5. | Is seepage o | ccurring through | n the dam? | Yes | | No | Х |
| | Cou | uld this seepage | cause potential instabili | ty? | | | |
| | | | | | | | |
| PRINIC | IPAL SPILLWA | Y | | | | | |
| 1. 2. 3. 4. | Is the inlet f | ree of debris and | em in working order? I restrictive material? If restrictive material? | Yes Yes Yes Yes | X X X | No No No | X |
| 4. | Evaluate the | _ | Extensive | Moderate | lust Starting | No | ^ |

| EMERG | ENCY SPILLWAY | | | | | | |
|-------|--|---------------------------|----|---|--|--|--|
| 1. | Does it appear that the emergency spillway has discharged water since the last inspection? | | | | | | |
| | | YES | NO | X | | | |
| 2. | Is erosion occurring at any section of the emergency | spillway? | | | | | |
| | | YES | NO | Х | | | |
| SEDMI | MENT STORAGE CAPACITY | | | | | | |
| 1. | Has the design storage capacity of the reservoir beer | n surpassed? YES | NO | X | | | |
| | Explain: Visual observation | | | | | | |
| | | | | | | | |
| | | | | | | | |
| OTHER | OBSERVATIONS | | | | | | |
| | Pond was holding some water but not near dischargi | ng at time of inspection. | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

NPDES ID. No.: 9

| Mine: | | Lorencito | | _ | | | |
|----------------|-----------------|---------------------------------------|---|------------------------|------------------|----------------|--------------|
| NPDES | ID. No.: | Pond #9A | (South) | _ | | | |
| Inspecti | on Period: | First Quart | er 2022 | _ | | | |
| Inspect | on Date: | 3/31/2022 | | _ | | | |
| Genera | l Description (| or Reference to | Site Plan: | | | | |
| into bed | | embankment ke | of mining scheduled fo eyed into bedrock. Side s | | | | |
| EMBAN | KMENT | | | | | | |
| 1. 2. | Erosion form | | | Excellent Extensive | Moderate Some | Few Few | Poor None |
| 3. | | on causing erosion the upstream er | | Yes | | No | Х |
| | At t | he principal spil | lway inlet? | Yes | | No | Х |
| 4. | Erosion of th | e downstream t | oe of the embankment | ? Yes | | No | Χ |
| | Cau | se of erosion ca | n be attributed to: | | | | |
| 5. | Is seepage o | ccurring through | n the dam? | Yes | | No | X |
| | | | cause potential instabili | | | | |
| | | | | | | | |
| PRINICI | PAL SPILLWAY | Y | | | | | |
| 1. 2. 3. | Is the inlet fr | ee of debris and rge outlet free o | em in working order? I restrictive material? of restrictive material? | Yes Yes Yes | X X X | No No No | |
| 4. | | _ | scharge outlet? | Yes | | No | X |
| | Evaluate the | severity: | Extensive | Moderate | Just Starting | None | |

| EMERG | ENCY SPILLWAY | | | | | | | |
|--------|--|---------------------------|----|---|--|--|--|--|
| 1. | . Does it appear that the emergency spillway has discharged water since the last inspection? | | | | | | | |
| | | YES | NO | X | | | | |
| 2. | Is erosion occurring at any section of the emergency | spillway? | | | | | | |
| | | YES | NO | X | | | | |
| SEDMIN | MENT STORAGE CAPACITY | | | | | | | |
| 1. | Has the design storage capacity of the reservoir been | surpassed? YES | NO | X | | | | |
| | Explain: Visual observation | | | | | | | |
| | | | | | | | | |
| OTHER | OBSERVATIONS | | | | | | | |
| | Pond was little holding water but not near discharging | ng at time of inspection. | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

NPDES ID. No.: 9A

QUARTERLY SEDIMENTATION POND INSPECTION REPORT Lorencito Canyon Mine- March 31, 2022



Pond 5



Pond 6



Pond 7 Embankment



Pond 8



Pond 9



Pond 9a

Certification

This inspection was conducted by Vince Massarotti, a qualified professional and MSHA certified inspector of earth and rock-fill embankments, waste banks and impoundments, under the direction of Mr. Stormes, a registered professional engineer licensed in the State of Colorado.

This is to certify, to the best of my knowledge and belief, that maintenance, since the previous certification and as determined during this inspection and discussions with mine personnel, is in accordance with designs as approved by the Division of Reclamation,

Mining and Safety.

Inspections completed in compliance with Rule 4.09.1(11)(b) must be submitted to the Division within two weeks of completion.