

### Peabody Sage Creek Mining, LLC

November 22, 2021

Tabetha Lynch Colorado Division of Reclamation, Mining and Safety 1313 Sherman Street, Room 215 Denver, CO 80203

RE: Peabody Sage Creek Mine, Permit C-2009-087, Fourth Quarter 2021 IIR

#### CDRMS:

In accordance with Rule 4.05.9(17), please find enclosed the Peabody Sage Creek Mine (PSCM) Impoundment Inspection Report (IIR) and Impoundment Inspection Log (IIL). Please contact me with any comments and/or questions.

Sincerely,

Miranda Kawcak

Environmental Manager Peabody, Colorado Operations

Miranda Kawcak

Enclosure: PSCM IIR

|  | PERIODIC INSPECTION FORM: Water, Se                           | ediment, or Slurry Impoundn   | nents     |           |     |
|--|---|-------------------------------|-----------|-----------|-----|
| INS  | PECTOR'S NAME: Jason Herden                                   | DATE: 10/27/21                |           |           |     |
| NP   | DES I.D. NO.: CO-0048275 D.P. 002                             |                               |           |           |     |
| FAC  | CILITY CONFIGURATION: Incised Pond                            | DATE LAST INSPECTION: 9/2     | 3/21      |           |     |
| SIT  | E NAME: Wadge Impoundment #002                                | LOCATION: NW¼ NE¼, Sec.       | 2, T5N, R | R87W      |     |
| MII  | NE NAME: Peabody Sage Creek Mine                              | LOCATION: 7.1 mi. SE of Hay   | den, CO   | ١         |     |
| MII  | NE I.D. NO.: CMLRD Permit No. C-2009-087                      | OWNER'S REP.: Miranda Ka      | wcak      |           |     |
|  | CIRCLE OR WRITE IN APPROPRIATE RESI                           | PONSE:                        | YES       | NO        | N/A |
| 1  | Foundation preparation (removal of vegetation, stumps, tops   | soil:                         |           |           | х   |
| 2  | Lift thickness:   |                               |           |           | х   |
| 3  | Compaction according to approved plan:                        |                               |           |           | х   |
| 4  | Burning (specify extent and location):                        |                               |           |           | х   |
| 5  | Angle of slope:upstream,downstream                            |                               | Tot       | tal = N/A | ١   |
| 6  | *Seepage (specify location, color, and approximate volume)    |                               |           |           |     |
|  | From underdrain pipes   |                               |           |           | х   |
|  | At isolated points on embanckement slopes                     |                               |           |           | х   |
|  | At natural hillside:  |                               |           |           | х   |
|  | Over widespread areas:  |                               |           |           | х   |
|  | From downstream foundation area:                              |                               |           |           | х   |
|  | "Boils" beneath stream or ponded water:                       |                               |           | х         |     |
| 7  | Cracks or scarps on crest:                                    |                               |           |           | х   |
| 8  | Cracks or scarps on slope:                                    |                               |           |           | х   |
| 9  | Sloughing or bulging on slope:                                |                               |           |           | х   |
| 10   | *Major erosion problems:                                      |                               |           | х         |     |
| 11   | Surface movements in valley bottom or on hillside:            |                               |           | х         |     |
| 12   | *Erosion of toe:  |                               |           |           | х   |
| 13   | *Water impounded against toe:                                 |                               |           |           | х   |
| 14   | Existing embankment freeboard (ft) = <b>0.0</b>               |                               |           |           | •   |
| 15   | Increase Decrease in water level (ft): NO CHANG               | GE .                          |           |           |     |
| 16   | Cracks, bulging, or erosion on upstream face:                 |                               |           |           | х   |
| 17   | Visible sumps or sinkholes in slurry surface:                 |                               |           |           | х   |
| 18   | *Clogging   |                               |           |           |     |
|  | Spillway channels and pipes:                                  |                               |           | х         |     |
|  | Decant system:  |                               |           |           | х   |
| CIRCLE OR WRITE IN APPROPRIATE RESPONSE:    Foundation preparation (removal of vegetation, stumps, topsoil:   Lift thickness:   Compaction according to approved plan:   Burning (specify extent and location):   Angle of slope:upstream,downstream |   |                               |           |           |     |
| 19   | *Cracking or crushing of pipes                                |                               |           |           |     |
|  | Spillway pipes:   |                               |           |           | х   |
|  | Decant system:  |                               |           |           | х   |
| 20   | Trash racks clear and in place:                               |                               |           |           | х   |
| 21   | Discharge rate (gpm) = 28.7                                   |                               |           |           |     |
| and  | Mine Superintendent for further evaluation. Adverse condition | ons noted in these items shou | ıld norma | _         | ger |

|             | PERIODIC INSPECTION FORM: Water, Se  | diment, or Slurry Impoundr            | nents     |           |     |  |  |
|-------------|--|---------------------------------------|-----------|-----------|-----|--|--|
| INSP        | PECTOR'S NAME: Jason Herden  | DATE: 10/27/21                        |           |           |     |  |  |
| NPD         | ES I.D. NO.: CO-0048275 D.P. 003   |                                       |           |           |     |  |  |
| FACI        | LITY CONFIGURATION: Diked Pond   | DATE LAST INSPECTION: 9/2             | 23/21     |           |     |  |  |
| SITE        | NAME: Shop Pond #003   | LOCATION: SE¼ SW¼, Sec. 2             | 7, T6N, F | R87W      |     |  |  |
| MIN         | E NAME: Peabody Sage Creek Mine  | LOCATION: 7.1 mi. SE of Hay           | yden, CO  |           |     |  |  |
| MIN         | E I.D. NO.: CMLRD Permit No. C-2009-087  | OWNER'S REP.: Miranda Ka              | wcak      |           |     |  |  |
|             | CIRCLE OR WRITE IN APPROPRIATE RESP  | PONSE:                                | YES       | NO        | N/A |  |  |
| 1           | Foundation preparation (removal of vegetation, stumps, tops  | oil:                                  | х         |           |     |  |  |
| 2           | Lift thickness = <b>12 inches</b>  |                                       | 1         |           |     |  |  |
| 3           | Compaction according to approved plan:   |                                       | х         |           |     |  |  |
| 4           | Burning (specify extent and location):   |                                       |           | х         |     |  |  |
| 5           | Angle of slope: 2:1 upstream, 3:1 downstream   |                                       | To        | tal = 5:1 |     |  |  |
| 6           | *Seepage (specify location, color, and approximate volume)   | •                                     |           |           |     |  |  |
|             | From underdrain pipes  |                                       |           |           | х   |  |  |
| Į           | At isolated points on embanckement slopes  |                                       |           | х         |     |  |  |
| Ī           | At natural hillside:   |                                       |           | х         |     |  |  |
| Ī           | Over widespread areas:   |                                       |           | х         |     |  |  |
| Ī           | From downstream foundation area:   |                                       |           | х         |     |  |  |
|             | "Boils" beneath stream or ponded water:  |                                       |           |           |     |  |  |
| 7           | Cracks or scarps on crest:   |                                       |           | х         |     |  |  |
| 8           | Cracks or scarps on slope:   |                                       |           | х         |     |  |  |
| 9           | Sloughing or bulging on slope:   |                                       |           | х         |     |  |  |
| 10          | *Major erosion problems:   |                                       |           | х         |     |  |  |
|             | Surface movements in valley bottom or on hillside:   |                                       |           | х         |     |  |  |
| 12          | *Erosion of toe:   |                                       |           | х         |     |  |  |
|             | *Water impounded against toe:  |                                       |           | х         |     |  |  |
| 14          | Existing embankment freeboard (ft) (4.9 is normal) = 5.05  |                                       |           |           |     |  |  |
| 15          | X Increase Decrease in water level (ft): <b>0.35</b>   |                                       |           |           | •   |  |  |
|             | Cracks, bulging, or erosion on upstream face:  |                                       |           | х         |     |  |  |
|             | Visible sumps or sinkholes in slurry surface:  |                                       |           |           | х   |  |  |
| 18          | *Clogging  |                                       |           |           |     |  |  |
| Ļ           | Spillway channels and pipes:   |                                       |           | х         |     |  |  |
| ļ           | Decant system:   |                                       |           |           | х   |  |  |
|             | Diversion ditches:   |                                       |           | х         |     |  |  |
| 19          | *Cracking or crushing of pipes   |                                       |           |           | ı   |  |  |
|             | Spillway pipes:  |                                       |           |           | х   |  |  |
|             | Decant system:   |                                       |           |           | х   |  |  |
| -           | Trash racks clear and in place:  |                                       | X         |           |     |  |  |
|             | Discharge rate (gpm) = <b>0.0</b>  |                                       |           |           |     |  |  |
| and<br>desc | rijor adverse changes in these items could cause instability and Mine Superintendent for further evaluation. Adverse condition in the Adverse condition is the second to the second in t | · · · · · · · · · · · · · · · · · · · | ıld norma | ally be   | _   |  |  |

| INIC  | PERIODIC INSPECTION FORM: Water, Se   |                            | nents |          |       |
|-------|---|----------------------------|-------|----------|-------|
|       | PECTOR'S NAME: Jason Herden   | DATE: 10/28/21             |       |          |       |
|       | DES I.D. NO.: N/A   | DATE LACT INCRESTION OF    | 20/04 |          |       |
|       | CILITY CONFIGURATION: Incised Pond  | DATE LAST INSPECTION: 9/2  |       | 20214    |       |
|       | E NAME: Spill Control Pond #2   | LOCATION: NW% NE%, Sec.    |       |          |       |
|       | NE NAME: Peabody Sage Creek Mine  | LOCATION: 7.1 mi. SE of Ha | -     | <u> </u> |       |
| IVIII | NE I.D. NO.: CMLRD Permit No. C-2009-087  | OWNER'S REP.: Miranda Ka   |       |          |       |
|       | CIRCLE OR WRITE IN APPROPRIATE RESP   |                            | YES   | NO       | N/A   |
|       | Foundation preparation (removal of vegetation, stumps, tops   | oil:                       | х     |          |       |
|       | Lift thickness =  |                            |       | 1        | 1     |
|       | Compaction according to approved plan:  |                            |       |          | х     |
|       | Burning (specify extent and location):  |                            |       |          | X     |
|       | Angle of slope:upstream,downstream  |                            |       | N/A      |       |
| 6     | *Seepage (specify location, color, and approximate volume)  | T                          |       | ı        |       |
|       | From underdrain pipes   |                            |       |          | х     |
|       | At isolated points on embanckement slopes   |                            |       | х        |       |
|       | At natural hillside:  |                            |       | х        |       |
|       | Over widespread areas:  |                            |       | х        |       |
|       | From downstream foundation area:  |                            |       | х        |       |
|       | "Boils" beneath stream or ponded water:   |                            |       | х        |       |
| 7     | Cracks or scarps on crest:  |                            |       | х        |       |
|       | Cracks or scarps on slope:  |                            |       | x        |       |
| 9     | Sloughing or bulging on slope:  |                            |       | х        |       |
| 10    | *Major erosion problems:  |                            |       | х        |       |
|       | Surface movements in valley bottom or on hillside:  |                            |       | х        |       |
| 12    | *Erosion of toe:  |                            |       | x        |       |
| 13    | *Water impounded against toe:   |                            |       | х        |       |
| 14    | Existing embankment freeboard (ft) (7.0 is normal when dry)   | = 7.0                      |       |          |       |
| 15    | Increase Decrease in water level (ft): NO CHANG   | GE                         |       |          |       |
|       | Cracks, bulging, or erosion on upstream face:   |                            |       | х        |       |
| 17    | Visible sumps or sinkholes in slurry surface:   |                            |       |          | х     |
| 18    | *Clogging   |                            |       |          |       |
|       | Spillway channels and pipes:  |                            |       | x        |       |
|       | Decant system:  |                            |       |          | х     |
|       | Diversion ditches:  |                            |       |          | х     |
| 19    | *Cracking or crushing of pipes  |                            |       |          |       |
|       | Spillway pipes:   |                            |       |          | х     |
|       | Decant system:  |                            |       |          | х     |
| 20    | Trash racks clear and in place:   |                            |       |          | х     |
| 21    | Discharge rate (gpm) = <b>0.0</b>   |                            |       |          |       |
| ana   | ajor adverse changes in these items could cause instability and<br>I Mine Superintendent for further evaluation. Adverse conditic<br>cribed (extextent, location, volume, etc.) here: |                            |       |          | ger - |

| INIC  | PERIODIC INSPECTION FORM: Water, Se  |   | nents     |                |          |
|-------|--|---|-----------|----------------|----------|
|       | PECTOR'S NAME: Jason Herden  | DATE: 10/28/21                                      |           |                |          |
|       | DES I.D. NO.: N/A  | DATE LAST INSPECTION: 0/                            | 22/21     |                |          |
|       | CILITY CONFIGURATION: Final Pit Impoundment  | DATE LAST INSPECTION: 9/2                           |           | 20714/         |          |
|       | NAME: Pecoco Reservoir   | LOCATION: 3.1 mi SE of Us                           |           |                |          |
|       | NE NAME: Peabody Sage Creek Mine NE I.D. NO.: CMLRD Permit No. C-2009-087                                      | LOCATION: 7.1 mi. SE of Ha OWNER'S REP.: Miranda Ka | -         |                |          |
| IVIII |  |   |           | 110            | 21/2     |
| 1     | CIRCLE OR WRITE IN APPROPRIATE RESP<br>Foundation preparation (removal of vegetation, stumps, tops             |   | YES       | NO             | N/A      |
|       | Lift thickness =   | OII.  | Х         |                |          |
| 3     | Compaction according to approved plan:   |   | , I       |                |          |
|       | Burning (specify extent and location):   |   | Х         |                |          |
|       | Angle of slope: <u>5:1</u> upstream, <u>2:1</u> downstream   |   | To        | x<br>tal = 7:1 |          |
| 6     | *Seepage (specify location, color, and approximate volume)   |   | 10        | tai – 7.1      | •        |
| U     | From underdrain pipes  |   |           |                | l v      |
|       | At isolated points on embanckement slopes  |   |           |                | Х        |
|       | At natural hillside:   |   |           | X              |          |
|       | Over widespread areas:   |   |           | X              |          |
|       | From downstream foundation area:   |   |           | X              |          |
|       | "Boils" beneath stream or ponded water:  |   |           | X<br>X         |          |
| 7     | Cracks or scarps on crest:   |   |           | x              |          |
|       | Cracks or scarps on clest.  Cracks or scarps on slope:   |   |           |                |          |
|       | Sloughing or bulging on slope:   |   |           | X<br>X         |          |
|       | *Major erosion problems:   |   |           |                |          |
|       | Surface movements in valley bottom or on hillside:   |   |           | x              |          |
|       | *Erosion of toe:   |   |           | x              |          |
|       | *Water impounded against toe:  |   |           | x              |          |
|       | Existing embankment freeboard (ft) (6.1 is normal) = <b>6.1</b>  |   |           |                | <u> </u> |
| 15    | Increase Decrease in water level (ft): NO CHANG  |   |           |                |          |
|       | Cracks, bulging, or erosion on upstream face:  | <u>,                                    </u>        |           | х              |          |
|       | Visible sumps or sinkholes in slurry surface:  |   |           |                | х        |
| 18    | *Clogging  |   | ,         |                |          |
|       | Spillway channels and pipes:   |   |           | х              |          |
|       | Decant system:   |   |           |                | х        |
|       | Diversion ditches:   |   |           |                | x        |
| 19    | *Cracking or crushing of pipes   |   |           |                |          |
|       | Spillway pipes:  |   |           | х              |          |
|       | Decant system:   |   |           |                | х        |
| 20    | Trash racks clear and in place:  |   |           |                | х        |
|       | Discharge rate (gpm) = <b>49.0</b>   |   |           |                |          |
|       | ajor adverse changes in these items could cause instability and  | I should he renorted to the Fi                      | naineerin | a Manac        | ner      |
| ana   | Mine Superintendent for further evaluation. Adverse condition cribed (extextent, location, volume, etc.) here: |   | -         |                |          |

|      | PERIODIC INSPECTION FORM: Water, Se   | ediment or Slurry Impounds | nents    |     |     |
|------|---|----------------------------|----------|-----|-----|
| INS  | PECTOR'S NAME: Jason Herden   | DATE: 10/28/21             | nemes    |     |     |
| NPI  | DES I.D. NO.: N/A   |                            |          |     |     |
| FAC  | CILITY CONFIGURATION: Diked Pond  | DATE LAST INSPECTION: 9/2  | 23/21    |     |     |
| SITE | E NAME: Lower Sump  | LOCATION: SE¼, Sec. 34, Te | N, R87W  | /   |     |
| MIN  | NE NAME: Peabody Sage Creek Mine  | LOCATION: 7.1 mi. SE of Ha | yden, CC | )   |     |
| MIN  | NE I.D. NO.: CMLRD Permit No. C-2009-087  | OWNER'S REP.: Miranda Ka   | wcak     |     |     |
|      | CIRCLE OR WRITE IN APPROPRIATE RESE   | PONSE:                     | YES      | NO  | N/A |
| 1    | Foundation preparation (removal of vegetation, stumps, tops   | oil:                       | х        |     |     |
| 2    | Lift thickness =  |                            |          |     |     |
| 3    | Compaction according to approved plan:  |                            | х        |     |     |
| 4    | Burning (specify extent and location):  |                            |          | х   |     |
| 5    | Angle of slope:upstream,downstream  |                            |          | N/A |     |
| 6    | *Seepage (specify location, color, and approximate volume)  |                            |          |     |     |
|      | From underdrain pipes   |                            |          |     | х   |
|      | At isolated points on embanckement slopes   |                            |          | х   |     |
|      | At natural hillside:  |                            |          | х   |     |
|      | Over widespread areas:  |                            |          | х   |     |
|      | From downstream foundation area:  |                            |          | х   |     |
|      | "Boils" beneath stream or ponded water:   |                            |          | х   |     |
| 7    | Cracks or scarps on crest:  |                            |          | х   |     |
| 8    | Cracks or scarps on slope:  |                            | i        | х   |     |
| 9    | Sloughing or bulging on slope:  |                            |          | х   |     |
| 10   | *Major erosion problems:  |                            | <u> </u> | x   |     |
|      | Surface movements in valley bottom or on hillside:  |                            |          | х   |     |
| 12   | *Erosion of toe:  |                            |          | х   |     |
| 13   | *Water impounded against toe:   |                            |          | x   |     |
| 14   | Existing embankment freeboard (ft) =  |                            |          |     |     |
| 15   | - 1   | GE .                       |          |     |     |
| 16   | Cracks, bulging, or erosion on upstream face:   |                            |          | x   |     |
| 17   | Visible sumps or sinkholes in slurry surface:   |                            |          |     | х   |
| 18   | *Clogging   |                            |          | 1   | 1   |
|      | Spillway channels and pipes:  |                            |          | х   |     |
|      | Decant system:  |                            |          |     | х   |
|      | Diversion ditches:  |                            |          | x   |     |
| 19   | 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   |                            |          | ı   |     |
|      | Spillway pipes:   |                            |          |     | х   |
|      | Decant system:  |                            |          |     | х   |
|      | Trash racks clear and in place:   |                            | х        |     |     |
|      | Discharge rate (gpm) = <b>47.0</b>  |                            |          |     |     |
| ana  | ajor adverse changes in these items could cause instability and<br>I Mine Superintendent for further evaluation. Adverse conditio<br>cribed (extextent, location, volume, etc.) here: |                            |          |     | ger |
|      |   |                            |          |     |     |

|      | PERIODIC INSPECTION FORM: Water, Se   | ediment, or Slurry Impoundn | nents    |          |     |
|------|---|-----------------------------|----------|----------|-----|
| INS  | PECTOR'S NAME: Jason Herden   | DATE: 10/28/21              |          |          |     |
| NPI  | DES I.D. NO.: N/A   |                             |          |          |     |
| FAC  | CILITY CONFIGURATION: Incised Pond  | DATE LAST INSPECTION: 9/2   | 23/21    |          |     |
| SITI | E NAME: Truck Wash Settling Pond  | LOCATION: NW% NE%, Sec.     | 34, T6N  | , R87W   |     |
| MII  | NE NAME: Peabody Sage Creek Mine  | LOCATION: 7.1 mi. SE of Ha  | yden, CC | <u> </u> |     |
| MII  | NE I.D. NO.: CMLRD Permit No. C-2009-087  | OWNER'S REP.: Miranda Ka    | wcak     |          |     |
|      | CIRCLE OR WRITE IN APPROPRIATE RESP   | ONSE:                       | YES      | NO       | N/A |
| 1    | Foundation preparation (removal of vegetation, stumps, tops   | ;oil:                       | х        |          |     |
| 2    | Lift thickness =  |                             |          |          |     |
| 3    | Compaction according to approved plan:  |                             |          |          | х   |
| 4    | Burning (specify extent and location):  |                             |          |          | х   |
| 5    | Angle of slope:upstream,downstream  |                             |          | N/A      |     |
| 6    | *Seepage (specify location, color, and approximate volume)  |                             |          |          |     |
|      | From underdrain pipes   |                             |          |          | х   |
|      | At isolated points on embanckement slopes   |                             |          |          | х   |
|      | At natural hillside:  |                             |          |          | х   |
|      | Over widespread areas:  |                             |          |          | х   |
|      | From downstream foundation area:  |                             |          |          | х   |
|      | "Boils" beneath stream or ponded water:   |                             |          | х        |     |
| 7    | Cracks or scarps on crest:  |                             |          |          | х   |
| 8    | Cracks or scarps on slope:  |                             |          |          | х   |
| 9    | Sloughing or bulging on slope:  |                             |          |          | х   |
| 10   | *Major erosion problems:  |                             |          | х        |     |
|      | Surface movements in valley bottom or on hillside:  |                             |          |          | х   |
| 12   | *Erosion of toe:  |                             |          |          | х   |
| 13   | *Water impounded against toe:   |                             |          | <u> </u> | х   |
| 14   | Existing embankment freeboard (ft) (5.0 is normal when dry):  | 5.0                         |          |          |     |
| 15   |   | <del>JE</del>               |          |          |     |
|      | Cracks, bulging, or erosion on upstream face:   |                             |          |          | х   |
|      | Visible sumps or sinkholes in slurry surface:   |                             |          | <u> </u> | х   |
| 18   | *Clogging   |                             |          |          |     |
|      | Spillway channels and pipes:  |                             |          | х        |     |
|      | Decant system:  |                             |          | <u> </u> | х   |
|      | Diversion ditches:  |                             |          | <u> </u> | х   |
| 19   | 0 11  |                             |          |          |     |
|      | Spillway pipes:   |                             |          | х        |     |
|      | Decant system:  |                             |          | <u> </u> | х   |
|      | Trash racks clear and in place:   |                             | х        | <u> </u> |     |
|      | Discharge rate (gpm) = <b>0.0</b>   |                             |          |          |     |
| ana  | lajor adverse changes in these items could cause instability and did Mine Superintendent for further evaluation. Adverse condition cribed (extextent, location, volume, etc.) here: |                             | _        |          | ier |

| INIC  | PERIODIC INSPECTION FORM: Water, Se PECTOR'S NAME: Jason Herden  | ediment, or Slurry Impoundn<br>DATE: 10/28/21 | nents |  |     |
|-------|--|---|-------|--|-----|
|       | DES I.D. NO.: N/A  | DATE: 10/28/21                                |       |  |     |
|       | ILITY CONFIGURATION: Diked Pond  | DATE LAST INSPECTIONS 0/2                     | 2 /21 |  |     |
|       |  | DATE LAST INSPECTION: 9/2                     |       | 1714/  |     |
|       | NAME: Upper Sump   | LOCATION: NW¼, Sec. 3, T5                     |       |  |     |
|       | IE NAME: Peabody Sage Creek Mine   | LOCATION: 7.1 mi. SE of Ha                    | _     | <u>,                                      </u> |     |
| IVIII | IE I.D. NO.: CMLRD Permit No. C-2009-087   | OWNER'S REP.: Miranda Ka                      |       |  | 1   |
|       | CIRCLE OR WRITE IN APPROPRIATE RESP  |   | YES   | NO   | N/A |
|       | Foundation preparation (removal of vegetation, stumps, tops  | OII:  | х     |  |     |
|       | Lift thickness =   |   |       | 1  |     |
|       | Compaction according to approved plan:   |   | х     |  |     |
|       | Burning (specify extent and location):   |   |       | х  |     |
|       | Angle of slope:upstream,downstream   |   |       | N/A  |     |
| 6     | *Seepage (specify location, color, and approximate volume)   |   |       | 1  | T . |
|       | From underdrain pipes  |   |       |  | х   |
|       | At isolated points on embanckement slopes  |   |       | х  |     |
|       | At natural hillside:   |   |       | х  |     |
|       | Over widespread areas:   |   |       | х  |     |
|       | From downstream foundation area:   |   | х     |  |     |
|       | "Boils" beneath stream or ponded water:  |   |       | х  |     |
| 7     | Cracks or scarps on crest:   |   |       | х  |     |
|       | Cracks or scarps on slope:   |   |       | x  |     |
| 9     | Sloughing or bulging on slope:   |   |       | х  |     |
| 10    | *Major erosion problems:   |   |       | х  |     |
|       | Surface movements in valley bottom or on hillside:   |   |       | х  |     |
| 12    | *Erosion of toe:   |   |       | x  |     |
| 13    | *Water impounded against toe:  |   |       | х  |     |
| 14    | Existing embankment freeboard (ft) =   |   |       |  |     |
| 15    | Increase Decrease in water level (ft): NO CHANG  | GE .  |       |  |     |
|       | Cracks, bulging, or erosion on upstream face:  |   |       | х  |     |
| 17    | Visible sumps or sinkholes in slurry surface:  |   |       |  | х   |
| 18    | *Clogging  |   |       |  |     |
|       | Spillway channels and pipes:   |   |       | х  |     |
|       | Decant system:   |   |       |  | х   |
|       | Diversion ditches:   |   |       |  | х   |
| 19    | *Cracking or crushing of pipes   |   |       |  |     |
|       | Spillway pipes:  |   |       | х  |     |
|       | Decant system:   |   |       |  | х   |
| 20    | Trash racks clear and in place:  |   | х     |  |     |
| 21    | Discharge rate (gpm) = <b>38.0</b>   |   |       |  |     |
| and   | ajor adverse changes in these items could cause instability and<br>Mine Superintendent for further evaluation. Adverse condition<br>Cribed (extextent, location, volume, etc.) here: |   | -     | -  | ger |

|      | PERIODIC INSPECTION FORM: Water, Se  | ediment, or Slurry Impoundn  | nents    |     |     |
|------|--|------------------------------|----------|-----|-----|
| INS  | PECTOR'S NAME: Jason Herden  | DATE: 10/28/21               |          |     |     |
| NPI  | DES I.D. NO.: N/A  |                              |          |     |     |
| FAC  | CILITY CONFIGURATION: Diked Pond   | DATE LAST INSPECTION: 9/     | 23/21    |     |     |
| SITI | E NAME: Portal Sump #1 (Upper North)   | LOCATION: NW¼, Sec. 3, T5    | N, R87W  | v   |     |
| MIN  | NE NAME: Peabody Sage Creek Mine   | LOCATION: 7.1 mi. SE of Have | yden, CC | )   |     |
| MIN  | NE I.D. NO.: CMLRD Permit No. C-2009-087   | wcak                         |          |     |     |
|      | CIRCLE OR WRITE IN APPROPRIATE RESP  | ONSE:                        | YES      | NO  | N/A |
| 1    | Foundation preparation (removal of vegetation, stumps, tops  | oil:                         | Х        |     |     |
| 2    | Lift thickness = 12"   |                              |          |     |     |
| 3    | Compaction according to approved plan:   |                              | Х        |     |     |
| 4    | Burning (specify extent and location):   |                              |          | х   |     |
| 5    | Angle of slope:upstream,downstream   |                              |          | N/A |     |
| 6    | *Seepage (specify location, color, and approximate volume)   |                              |          |     |     |
|      | From underdrain pipes  |                              |          |     | х   |
|      | At isolated points on embanckement slopes  |                              |          |     | х   |
|      | At natural hillside:   |                              |          |     | х   |
|      | Over widespread areas:   |                              |          |     | х   |
|      | From downstream foundation area:   |                              |          |     | х   |
|      | "Boils" beneath stream or ponded water:  |                              |          | Х   |     |
| 7    | Cracks or scarps on crest:   |                              |          |     | х   |
| 8    | Cracks or scarps on slope:   |                              |          |     | х   |
| 9    | Sloughing or bulging on slope:   |                              |          |     | х   |
| 10   | *Major erosion problems:   |                              |          | х   |     |
| 11   | Surface movements in valley bottom or on hillside:   |                              |          | х   |     |
| 12   | *Erosion of toe:   |                              |          |     | х   |
| 13   | *Water impounded against toe:  |                              |          |     | х   |
| 14   | Existing embankment freeboard (ft) =   |                              |          |     |     |
| 15   | Increase Decrease in water level (ft): NO CHANG  | jE                           |          |     |     |
|      | Cracks, bulging, or erosion on upstream face:  |                              |          |     | х   |
| 17   | Visible sumps or sinkholes in slurry surface:  |                              |          |     | х   |
| 18   | *Clogging  |                              |          |     |     |
|      | Spillway channels and pipes:   |                              |          | х   |     |
|      | Decant system:   |                              |          |     | х   |
|      | Diversion ditches:   |                              |          |     | х   |
| 19   | *Cracking or crushing of pipes   |                              |          |     |     |
|      | Spillway pipes:  |                              |          | х   |     |
|      | Decant system:   |                              |          |     | х   |
|      | Trash racks clear and in place:  |                              |          |     | х   |
|      | Discharge rate (gpm) = <b>0.0</b>  |                              |          |     |     |
| ana  | ajor adverse changes in these items could cause instability and<br>Il Mine Superintendent for further evaluation. Adverse conditio<br>cribed (extextent, location, volume, etc.) here: |                              | -        |     | ier |

|      | PERIODIC INSPECTION FORM: Water, Se   | ediment, or Slurry Impoundn    | nents    |     |     |
|------|---|--------------------------------|----------|-----|-----|
| INS  |   | DATE: 10/28/21                 |          |     |     |
| NPI  | DES I.D. NO.: N/A   |                                |          |     |     |
| FAC  | CILITY CONFIGURATION: Diked Pond  | DATE LAST INSPECTION: 9/2      | 23/21    |     |     |
| SITE | E NAME: Portal Sump #2 (Lower South)  | LOCATION: NW¼, Sec. 3, T5      | N, R87V  | V   |     |
| MIN  | NE NAME: Peabody Sage Creek Mine  | LOCATION: 7.1 mi. SE of Have   | yden, CC | )   |     |
| MIN  | NE I.D. NO.: CMLRD Permit No. C-2009-087  | OWNER'S REP.: Miranda Kav      | wcak     |     |     |
|      | CIRCLE OR WRITE IN APPROPRIATE RESP   | ONSE:                          | YES      | NO  | N/A |
| 1    | Foundation preparation (removal of vegetation, stumps, tops   | oil:                           | Х        |     |     |
| 2    | Lift thickness = 12"  |                                |          |     |     |
| 3    | Compaction according to approved plan:  |                                | Х        |     |     |
| 4    | Burning (specify extent and location):  |                                |          | х   |     |
| 5    | Angle of slope:upstream,downstream  |                                |          | N/A |     |
| 6    | *Seepage (specify location, color, and approximate volume)  |                                |          |     |     |
|      | From underdrain pipes   |                                |          |     | х   |
|      | At isolated points on embanckement slopes   |                                |          |     | х   |
|      | At natural hillside:  |                                |          |     | х   |
|      | Over widespread areas:  |                                |          |     | х   |
|      | From downstream foundation area:  |                                |          |     | х   |
|      | "Boils" beneath stream or ponded water:   |                                |          | х   |     |
| 7    | Cracks or scarps on crest:  |                                |          |     | х   |
| 8    | Cracks or scarps on slope:  |                                |          |     | х   |
| 9    | Sloughing or bulging on slope:  |                                |          |     | х   |
| 10   | *Major erosion problems:  |                                |          | х   |     |
| 11   | Surface movements in valley bottom or on hillside:  |                                |          | х   |     |
| 12   | *Erosion of toe:  |                                |          |     | х   |
| 13   | *Water impounded against toe:   |                                |          |     | х   |
| 14   | Existing embankment freeboard (ft) =  |                                |          |     |     |
| 15   | Increase Decrease in water level (ft): NO CHANG   | GE                             |          |     |     |
| 16   | Cracks, bulging, or erosion on upstream face:   |                                |          |     | х   |
| 17   | Visible sumps or sinkholes in slurry surface:   |                                |          |     | х   |
| 18   | *Clogging   |                                |          |     |     |
|      | Spillway channels and pipes:  |                                |          | х   |     |
|      | Decant system:  |                                |          |     | х   |
|      | Diversion ditches:  |                                |          |     | х   |
| 19   | *Cracking or crushing of pipes  |                                |          |     |     |
|      | Spillway pipes:   |                                |          | х   |     |
|      | Decant system:  |                                |          |     | х   |
| 20   | Trash racks clear and in place:   |                                |          |     | х   |
| 21   | Discharge rate (gpm) = <b>0.0</b>   |                                |          |     |     |
| ana  | ajor adverse changes in these items could cause instability and Mine Superintendent for further evaluation. Adverse condition cribed (extextent, location, volume, etc.) here: NOT PUMPII | ons noted in these items shoul | -        |     | zer |

# **IMPOUNDMENT INSPECTION LOG**

### **JOB DATA**

|     | JOB NAME: PEC Hydrologic Services | CLIENT: Peabody | JOB(s): 2021-095 (PSCM), 2021-096 (SCC) |
|-----|-----------------------------------|-----------------|---|
| - 1 | , ,                               |                 |   |

## **FLOW DATA**

| FLOW DAT        | ГА         |                |           |                  |               | T  |                   |
|-----------------|------------|----------------|-----------|------------------|---------------|--|-------------------|
| SITEID          | COMPANY    | MINE           | DATE      | WATER LEVEL (FT) | OUTFLOW (GPM) | OBSERVATIONS   | MAINTENANCE (Y/N) |
| 002             | Sage Creek | Sage Creek     | 10-27-7   | 0,04             | 28.₹          | Flume / acting & Plowing under                           | У                 |
| 003             | Sage Creek | Sage Creek     | 10-27-71  | -0.15            |               | Flume lacking & Flowing under<br>NO Flow ganimal burrows | N                 |
| 004             | Sage Creek | Sage Creek     | 14.57.51  | 0.10             | 46.4          |  | N                 |
| Lower Sump      | Sage Creek | Sage Creek     | 12.82.21  | 0.05             | 47            |  | N                 |
| PECOCO          | Sage Creek | Sage Creek     | 10-28-21  |                  | 49            |  | N                 |
| Portal Sump 1   | Sage Creek | Sage Creek     | 0-28-21   |                  |               | No Flow  | N                 |
| Portal Sump 2   | Sage Creek | Sage Creek     | 10-35-21  | ~                | ~             | No Tpumpim   | N                 |
| Spill Control 2 | Sage Creek | Sage Creek     | 10~28X    | )                |               | Dis  | N                 |
| Truck Wash      | Sage Creek | Sage Creek     | 10.3821   | )                | J             | りい   | ~                 |
| Upper Sump      | Sage Creek | Sage Creek     | 12.38.21  | σ.\              | 28            |  | $\sim$            |
| 001             | Seneca     | Hayden Gulch   | 10-28-21  | ~700             | 38            | NO Flow, Dry   | N                 |
| 002             | Seneca     | Hayden Gulch   | 12-28-4   | _                | 7             | NO Flow, Dry   | N                 |
| 005             | Seneca     | Seneca II West | 10~ 27-31 | - 3.0            | _             | NO Flow  | $\sim$            |
| 006             | Seneca     | Seneca II West | 10-77.31  | 0.1              | 23.7          | Sluft ans. side  | N                 |
| 009             | Seneca     | Seneca II West | 10-27-21  | -2.7             | ~             | NO Flow  | N                 |
| 015             | Seneca     | Seneca II West | 10-27-21  | -0.4             | _             | 16 Flow  | N                 |
| 016             | Seneca     | Seneca II West | 10-27-21  | 0.1              | 213           |  | ~                 |
| 017             | Seneca     | Seneca II West | 10-27-21  | -0.4             | _             | NO Flam  | N                 |
| T-1             | Seneca     | Seneca II West | 10.97.31  |                  |               | Pry  | ~                 |
| T-18            | Seneca     | Seneca II West | 6-27-21   | -40              | _             | NO Flow  |                   |
| T-2             | Seneca     | Seneca II West | 10-27-21  |                  |               | Dry  | N                 |
| T-20            | Seneca     | Seneca II West | 6-27-21   | _                |               | NOFIN  | N                 |
| T-22            | Seneca     | Seneca II West | 10-27-71  |                  | _             | Dia  | N                 |
| T-24            | Seneca     | Seneca II West | 10-27-21  | _                |               | 014  | N                 |
| T-25            | Seneca     | Seneca II West | 10-27-9   |                  |               |  | N                 |
| T-26            | Seneca     | Seneca II West | 12-22-01  | -3,3             | _             | no Flow  | N                 |



| SITEID | COMPANY | MINE           | DATE      | WATER LEVEL (FT) | OUTFLOW (GPM) | OBSERVATIONS          | MAINTENANCE (Y/N) |
|--------|---------|----------------|-----------|------------------|---------------|-----------------------|-------------------|
| T-27   | Seneca  | Seneca II West | 6.27.21   | -2.5             |               | NOFLOW                | N                 |
| T-3    | Seneca  | Seneca II West | 1003721   |                  |               | DIS                   | N                 |
| T-5    | Seneca  | Seneca II West | かってる      | -4               | _             | NO Flow pipe rusted   | N                 |
| 010    | Seneca  | Yoast          | 15 VE- 01 | -0.9             | ~             | NO Flow , pipe rusted | N                 |
| 011    | Seneca  | Yoast          | P-88-4    | 12.0             |               | No Ilow               | لم                |
| 011A   | Seneca  | Yoast          | 10-27-21  | <b>d</b> 2.5     |               | NO FLOW               | N                 |
| 012    | Seneca  | Yoast          | 10-27.21  | 0.08             | 47.6          | cattilly              | N                 |
| 012A   | Seneca  | Yoast          | 10-27-21  |                  |               | No Flow, Dry          | N                 |
| 013    | Seneca  | Yoast          | 10~37~21  | -3.3             | ~             | No Flow               | N                 |
| 014    | Seneca  | Yoast          | الا 22ء   | - 3,0            | )             | NO FIEW<br>NO FIEW    | N                 |
| ST-1   | Seneca  | Yoast          | ०~८४८।    | ~3,0             | ~             | NO Ibw, Dry           | N                 |

| FIELD PERSONNEL:                             | 74 | FIELD PERSONNEL SIGNA | ATURE: | <u>ل</u> م |  |
|--|----|-----------------------|--------|------------|--|
| NOTES  |    |                       | 589    |            |  |
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