M E M O R A N D U M

**TO:** John E. Caudle, P.E., Director

**THRU:** Travis L. Wootton, Manager, Applications and Permits

 Team Coordinator Name, Team Coordinator Title

**FROM:** Reviewer Name, Title

**SUBJECT:** Permittee

 Mine Name, Permit No. <number>, Revision No. <number>

 Structure Name

**DATE:** Date

<Insert general summary of application here> The required $500 revision application-filing fee was included with the application. My technical review and a summary of the proposal follows:

# PROPOSAL SUMMARY

<Summary of the application to be inserted here. Include general description of the application and the maps/figures/tables included.>

# PROPOSAL EVALUATION

This submittal is considered a revision to the permit because <describe reason for revision>.

As directed by Title 16, Texas Admin. Code, Chapter 12, the proposed diversion must comply with the following sections:

| **Regulation** | **Location** | **Meets Requirements** |
| --- | --- | --- |
| §12.71 |  | Yes or No |
| Notes/Comments:  |
| §12.108 |  | Yes or No |
| Notes/Comments: A $500 revision-application fee was provided.  |
| §12.117 |  | Yes or No |
| Notes/Comments: The diversion will be located on Tract Nos. <tract numbers>, all of which are surface-owned by <describe ownership>.  |
| §12.125(2) |  | Yes or No |
| Notes/Comments: The diversion will not affect any sites listed, or eligible for listing, on the National Register of Historic Places.  |
| §12.142(2)(C)§12.145(b)(2) |  | Yes or No |
| Notes/Comments: The area is area bonded as <describe bonding>.  |
| §12.145(b)(3) |  | Yes or No |
| Notes/Comments: <describe whether changes to the approved postmine topography are necessary>  |
| §12.146(d) |  | Yes or No |
| Notes/Comments: <describe whether changes to the approved PHC are necessary>  |
| §12.341(a)(1) |  | Yes or No |
| Notes/Comments: The diversion is designed to minimize adverse impacts of storm water runoff to the hydrologic balance within the permit and adjacent areas. Flow from the <diversion name> enters the <sediment control structure name> before leaving the permit boundary. <modify as necessary><describe whether the diversion forms a portion of a surface-water control boundary> |
| §12.341(a)(2) |  | Yes or No |
| Notes/Comments: The diversion is designed to be stable, provide protection against flooding and resultant damage to life and property, prevent additional contributions of suspended solids to stream flow outside the permit area and will comply with applicable local, State, and Federal laws and regulations. <modify as necessary> |
| §12.341(a)(4) |  | Yes or No |
| Notes/Comments: The diversion will be constructed with gentle sloping banks as described above. Erosion protection is not required in the diversion as the velocity is non-erosive, less than 6 fps. <modify as necessary> |
| §12.341(b) |  | Yes or No |
| Notes/Comments: The diversion will not adversely affect the water quality or quantity in the stream before, during or after construction. The stream is being diverted back to its approximate premine location. The diversion has been designed to safely convey the peak discharge of the 100-year/6-hour storm event, as it is proposed as a permanent diversion. The capacity and general flow line are similar to the premine and upstream capacity. <modify as necessary> The design plans have been signed and sealed by <engineer name>, P.E., a licensed professional engineer in the State of Texas.  |
| §12.382 |  | Yes or No |
| Notes/Comments: There are no known pipelines within the vicinity of the project location <modify as necessary>.   |

|  |  |
| --- | --- |
| Recommend approval of the application? | Yes or No |
| Conditions to approval? (if Yes, describe) | Yes or No |

<reviewer name>

<reviewer initials>/

Attachment

File Ref. No. <file ref. number>

# Diversion Summary

|  |
| --- |
| Reviewer name:  |
| Mine name:  |
| Permit No.:  | Revision No.:  |
| File Reference No.:  |
| Structure name:  |
|  |
| Perennial or Intermittent Stream? If no, miscellaneous flow diversion?  | Temporary or Permanent?If temporary, reclamation date: |
| Does the diversion form a portion of a surface-water control boundary? |
| Length:  |
| Watershed area:  |
| Design rainfall event:  |
|  |
| Channel type: Lining material: Side slopes: Bottom width: Peak flow: Maximum velocity: Flow depth: Maximum slope of channel: |
|  |
| Drop structures or low-water crossings? How many?Material:Side Slopes:Bottom Width:Vertical Drop Height:Peak Flow:Maximum Grade:Maximum Velocity:Maximum Depth: | Cross drainage structure? How many?Culvert Material:Culvert Length:Culvert Diameter:Culvert Slope:Watershed Area:Peak Discharge:Maximum Tailwater Velocity: |
|  |
| Notes:  |

Date

# Sent by Email and First-Class Mail

<Permit Contact>

<Permit Contact Title>

<Permit Contact Company Name>

<Address>

<City>, Texas <zip code>

RE: Permittee

Mine Name, Permit No. <number>, Revision No. <number>

 Structure Name

Dear <contact name>:

Review of Revision No. <revision number>, submitted by letter dated <date>, has been completed. Revision No. <revision number> includes a request for approval of detailed design plans for <temporary or permanent> Diversion <structure name>. <Permittee> provided the required $500 revision application-filing fee with the application. A copy of the Staff technical review memorandum is enclosed. The revision application is considered complete and is accepted for filing.

This submittal is considered a revision to the reclamation plan because <describe reason for revision>. I find that Diversion <structure name> has been designed in accordance with specifications detailed in 16 Texas Admin. Code §12.341 and is hereby approved. Permit No. <permit number> is revised accordingly.

Should there be any questions, please do not hesitate to call me or <reviewer name>, technical coordinator for review of this application.

Sincerely,

John E. Caudle, Director

Surface Mining and Reclamation Division

JEC/<reviewer initials>/

Enclosure

File Ref. No <file reference number>