

**ENVIRONMENTAL ASSESSMENT**

**RECEIVED**  
 JUL 13 1992  
 ENVIRONMENTAL  
 QUALITY COUNCIL

APPLICANT: CR Kendall

TYPE OF OPERATION: Open Pit/Heap Leach gold/silver mine

LOCATION: T 18 N, R 18 E Secs. 29, 30, 31, 32 COUNTY: Fergus

PERSON PREPARING E.A.: Wayne Jepson

APPLICATION COMPLETE: 6/3/92

E.A. COMPLETE: \_\_\_\_\_

Date

Date

	POTENTIAL IMPACTS					
	A	B	C	LONG TERM	SHORT TERM	AMPLIFICATION
<b>PHYSICAL ENVIRONMENT</b>						
1. <u>TOPOGRAPHY</u>			X			
2. <u>GEOLOGY</u> ; Stability			X			
3. <u>SOILS</u> ; Quality, Distribution			X			See Amplification
4. <u>WATER</u> ; Quality; Quantity; Distribution			X			
5. <u>AIR</u> ; Quality			X			
6. <u>UNIQUE, ENDANGERED, FRAGILE, or LIMITED</u> environmental resources			X			
<b>BIOLOGICAL ENVIRONMENT</b>						
1. <u>TERRESTRIAL, AVIAN, and AQUATIC</u> ; species and habitats			X			
2. <u>VEGETATION</u> ; quantity, quality, species			X			
3. <u>AGRICULTURE</u> ; grazing, crops production			X			
<b>HUMAN ENVIRONMENT</b>						
1. <u>SOCIAL</u> ; structures and mores			X			
2. <u>CULTURAL</u> uniqueness, diversity			X			
3. <u>POPULATION</u> ; quantity and diversity			X			
4. <u>HOUSING</u> ; quantity and distribution			X			
5. <u>HUMAN HEALTH &amp; SAFETY</u>			X			

	A	B	C	POTENTIAL IMPACTS		
				LONG TERM	SHORT TERM	AMPLIFICATION
6. <u>COMMUNITY &amp; PERSONAL INCOME</u>			X			
7. <u>EMPLOYMENT</u> ; quantity and distribution			X			
8. <u>TAX BASE</u> ; local and state tax revenue			X			
9. <u>GOVERNMENT SERVICES</u> ; demand			X			
10. <u>INDUSTRIAL, COMMERCIAL</u> and <u>AGRICULTURAL</u> activities			X			
11. <u>HISTORICAL</u> and <u>ARCHAEOLOGICAL</u>			X			
12. <u>AESTHETICS</u>			X			
13. <u>ENVIRONMENTAL PLANS</u> and <u>GOALS</u> ; local and regional			X			
14. <u>DEMANDS</u> on <u>ENVIRONMENTAL RESOURCES</u> of land, water, air and energy			X			
15. <u>TRANSPORTATION</u> ; networks and traffic flows			X			

PUBLIC INVOLVEMENT: \_\_\_\_\_

ALTERNATIVES CONSIDERED: Denial of LAD proposal. See attached writeup.

COMPLIANCE STATUS: CR Kendall is in compliance with operating permit 00122.

RECOMMENDATIONS CONCERNING PREPARATION OF AN EIS: An EIS is not necessary for this change.

OTHER GROUPS OR AGENCIES CONTACTED OR WHICH MAY HAVE OVERLAPPING JURISDICTION:

Jeff Snyder, Engineer, DSL.

INDIVIDUALS OR GROUPS CONTRIBUTING TO THIS EA:

- A: Significant Unavoidable Impacts
- B: Insignificant as a result of conditioned mitigation
- C: Insignificant as proposed

*Robert C. Winegar*  
 \_\_\_\_\_  
 Signature

**Amplification of Physical Environment**  
**CR Kendall LAD area relocation**

Soils:

Land application in "area 3" has previously been evaluated in the EA (DSL, September 1989) for CR Kendall's "Comprehensive Life-of-Mine amendment" (#3). In amendment 3, CR Kendall indicated that expansion of leach pad 4 would result in the relocation of LAD area 3. CR Kendall is now proposing to relocate this LAD area, although the proposed relocation would not be the result of leach pad expansion, but rather because the LAD area was used last year, resulting in some soil creep in the area where LAD occurred. Continued soil creep resulting from further LAD could result in eventual blockage of an adjacent diversion ditch. For this reason, an adjustment in LAD area location is proposed. LAD area #3 would be shifted eastward of its current location; a portion of the original LAD area would be retained. Soils in the proposed LAD expansion area are of the same type as in the currently permitted LAD area.

The current LAD area is sized to allow disposal of all runoff resulting from a 100 year 24 hour storm event in the leach pad catchment area.

Denial of this request for relocation of LAD area 3 would result in the inability to efficiently dispose of all runoff from a storm event of this size. If the denial alternative were chosen, the current LAD area could still be utilized, potentially resulting in continued soil creep.

No significant environmental impacts of this proposal are anticipated.