

PERMISSIBILITY WEEKLY DATE ENDING 1-27-07

21 January 2007

RUSS LARSON  
CRANDALL MINE CONSPEC SYSTEM  
SOUTH CRANDALL MINE CONSPEC SYSTEM

Signature

SIGNED

DATE

1-25-07

2MSHA04679

PERMISSABILITY MUST BE SIGNED AND DATED

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARPE EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

COMMENTS:

2MSHA04680

PERMISSIBILITY MUST BE SIGNED AND DATED

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
1-25-07	CRANDALL MINE	CONSPEX SYSTEM	OK		RL
1-25-07	SO. CRANDALL MINE	CONSPEX SYSTEM	OK		RL
<i>Sections alarm function test</i>					
1-24-07	Main West		OK		RL

NOTE'S \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

LIST ALL ELECTRICAL HAND TOOL'S

DATE	TOOL	CONDITION	ACTION TAKEN	INITIAL'S
1-25-07	Batter Drill & Torque	OK		RL

PERMISSIBILITY WEEKLY DATE ENDING 1-27-07

21 January 2007

RUSS LARSON

ALL CAP LAMP'S AND CHARGER'S

Signature

SIGNED

DATE

1-26-07

2MSHA04682

## INSPECTION OF PERMISSIBLE ELECTRICAL EQUIPMENT

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARPE EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

COMMENTS:

2MSHA04683

JAN  
2007

PERMISSIBILITY MUST BE SIGNED AND DATED

DATE	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
23	# 1 CAP LAMP & CHARGER	OK		RC
/	# 2 CAP LAMP & CHARGER			
23	# 3 CAP LAMP & CHARGER			
/	# 4 CAP LAMP & CHARGER			
23	# 5 CAP LAMP & CHARGER			
/	# 6 CAP LAMP & CHARGER			
23	# 7 CAP LAMP & CHARGER			
/	# 8 CAP LAMP & CHARGER			
23	# 9 CAP LAMP & CHARGER			
/	# 10 CAP LAMP & CHARGER			
/	# 11 CAP LAMP & CHARGER			
/	# 12 CAP LAMP & CHARGER			
/	# 13 CAP LAMP & CHARGER			
/	# 14 CAP LAMP & CHARGER			
23	# 15 CAP LAMP & CHARGER			
/	# 16 CAP LAMP & CHARGER			
/	# 17 CAP LAMP & CHARGER			
23	# 18 CAP LAMP & CHARGER			
/	# 19 CAP LAMP & CHARGER			
/	# 20 CAP LAMP & CHARGER			
23	# 21 CAP LAMP & CHARGER	OK		
/	# 22 CAP LAMP & CHARGER	OK		
23	# 23 CAP LAMP & CHARGER	OK		
/	# 24 CAP LAMP & CHARGER			
23	# 25 CAP LAMP & CHARGER	OK		RC

NOTE'S

---



---



---



---

2007  
JAN

PERMISSIBILITY MUST BE SIGNED AND DATED

DATE	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
23	#26 CAP LAMP & CHARGER	OK		RC
23	#27 CAP LAMP & CHARGER	OK		RC
	#28 CAP LAMP & CHARGER			
	#29 CAP LAMP & CHARGER			
23	#30 CAP LAMP & CHARGER			
1	#31 CAP LAMP & CHARGER			
23	#32 CAP LAMP & CHARGER			
	#33 CAP LAMP & CHARGER			
	#34 CAP LAMP & CHARGER			
23	#35 CAP LAMP & CHARGER		OK	
	<del>#36 CAP LAMP &amp; CHARGER</del>		OOS	
23	#37 CAP LAMP & CHARGER	OK		
	#38 CAP LAMP & CHARGER	OK		
	#39 CAP LAMP & CHARGER			
	#40 CAP LAMP & CHARGER			
	#41 CAP LAMP & CHARGER			
	#42 CAP LAMP & CHARGER			
	#43 CAP LAMP & CHARGER			
	#44 CAP LAMP & CHARGER			
	#45 CAP LAMP & CHARGER			
23	#46 CAP LAMP & CHARGER			
	#47 CAP LAMP & CHARGER			
	#48 CAP LAMP & CHARGER			
23	#49 CAP LAMP & CHARGER	OK		
	<del>#50 CAP LAMP &amp; CHARGER</del>	OOS		RC

NOTE'S

---



---



---



---





JAN  
2007

DATE	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
23	# 203 CAP LAMP & CHARGER	OK		RC
1	# 204 CAP LAMP & CHARGER			
23	# 205 CAP LAMP & CHARGER			
1	# 206 CAP LAMP & CHARGER			
23	# 207 CAP LAMP & CHARGER			
23	# 208 CAP LAMP & CHARGER			
1	# 209 CAP LAMP & CHARGER			
23	# 210 CAP LAMP & CHARGER			
23	# 211 CAP LAMP & CHARGER			
1	# 212 CAP LAMP & CHARGER			
23	# 213 CAP LAMP & CHARGER			
1	# 214 CAP LAMP & CHARGER			
23	# 215 CAP LAMP & CHARGER			
23	# 216 CAP LAMP & CHARGER			
1	# 217 CAP LAMP & CHARGER			
23	# 218 CAP LAMP & CHARGER			
1	# 219 CAP LAMP & CHARGER			
23	# 220 CAP LAMP & CHARGER	OK		RC
	# 221 CAP LAMP & CHARGER			
	# 222 CAP LAMP & CHARGER			
	# 223 CAP LAMP & CHARGER			
	# 224 CAP LAMP & CHARGER			
	# 225 CAP LAMP & CHARGER			
	# 226 CAP LAMP & CHARGER			
	# 227 CAP LAMP & CHARGER			
	# 228 CAP LAMP & CHARGER			
	# 229 CAP LAMP & CHARGER			
	# 230 CAP LAMP & CHARGER			



JAN  
2007

PERMISSIBILITY MUST BE SIGNED AND DATED

DATE	EQUIPMENT CHARGERS ABOVE SHOP	CONDITION	ACTION TAKEN	INITIAL'S		
23	# 1 CAP LAMP & CHARGER	OK		RC		
29	# 2 CAP LAMP & CHARGER	OK		RC		
	# 3 CAP LAMP & CHARGER					
	# 4 CAP LAMP & CHARGER					
	# 5 CAP LAMP & CHARGER					
23	# 6 CAP LAMP & CHARGER					
1	# 7 CAP LAMP & CHARGER					
23	# 8 CAP LAMP & CHARGER					
	# 9 CAP LAMP & CHARGER					
	# 10 CAP LAMP & CHARGER					
	# 11 CAP LAMP & CHARGER					
23	# 12 CAP LAMP & CHARGER					
1	# 13 CAP LAMP & CHARGER					
23	# 14 CAP LAMP & CHARGER					
1	# 15 CAP LAMP & CHARGER					
23	# 16 CAP LAMP & CHARGER					
1	# 17 CAP LAMP & CHARGER					
23	# 18 CAP LAMP & CHARGER					
1	# 19 CAP LAMP & CHARGER					
23	# 20 CAP LAMP & CHARGER		OK			RC
	# 21 CAP LAMP & CHARGER					
	# 22 CAP LAMP & CHARGER					
	# 23 CAP LAMP & CHARGER					
	# 24 CAP LAMP & CHARGER					
	# 25 CAP LAMP & CHARGER					
	# 26 CAP LAMP & CHARGER					
	# 27 CAP LAMP & CHARGER					
	# 28 CAP LAMP & CHARGER					
	# 29 CAP LAMP & CHARGER					
	# 30 CAP LAMP & CHARGER					

**PERMISSIBILITY MUST BE SIGNED AND DATED**

<b>DATE</b>	<b>LOCATION</b>	<b>EQUIPMENT</b>	<b>CONDITION</b>	<b>ACTION TAKEN</b>	<b>INITIAL'S</b>
	SHOP	# 1 CAP LAMP & CHARGER			
	SHOP	# 2 CAP LAMP & CHARGER			
	SHOP	# 3 CAP LAMP & CHARGER			
	SHOP	# 4 CAP LAMP & CHARGER			
	SHOP	# 5 CAP LAMP & CHARGER			
	SHOP	# 6 CAP LAMP & CHARGER			
	SHOP	# 7 CAP LAMP & CHARGER			
	SHOP	# 8 CAP LAMP & CHARGER			
	SHOP	# 9 CAP LAMP & CHARGER			
	SHOP	# 10 CAP LAMP & CHARGER			
	SHOP				
	SHOP				

NOTE'S \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

PERMISSIBILITY WEEKLY DATE ENDING 1-27-07

**21 January 2007**

LARRY POWELL SCOTT JONES RYAN MANN ISRAEL PETERSEN

WEEKLY EXAM'S HAVE  
POWER CENTER'S,  
SWITCH GEAR'S  
DISTRIBUTION BOXES  
CAPACITOR BANK

**SIGNATURE**

SIGNED

DATE

1-27-06

2MSHA04692

## INSPECTION OF PERMISSIBLE ELECTRICAL EQUIPMENT

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARPE EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

COMMENTS:

2MSHA04693

PERMISSIBILITY MUST BE SIGNED AND DATED

CRANDALL MINE

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
1/24	SURFACE	# 1 TRANS 600 KVA	OK		SJ
1/24	XC 6 MAIN NO.	# 2 TRANS 600 KVA 950/480	OK		SJ
1/24	XC 1 3 <sup>RD</sup> NORTH	# 3 TRANS 225 KVA 480V	OK		SJ
1/25	XC 4 MAIN WEST	# 4 TRANS 750 KVA 950/480	OK		SJ
1/25	XC 40 MAIN WEST	# 5 TRANS 750 KVA 950/480	OK		SJ
1/25	XC 69 MAIN WEST	# 19 TRANS 1250 KVA 950/480	OK		SJ
1/25	XC 29 MAIN WEST	# 8 TRANS 500 KVA 480	OK		SJ
1/25	XC 44 MAIN WEST	# 9 TRANS 750 KVA 480	OK		SJ
1/25	XC 3 SHORT BELT MW	# 27 TRANS 600 KVA 480 6 & 7 BELT DRIVE	OK		SJ
1/25	X/C 14 3 <sup>RD</sup> NORTH	# 16 TRANS 1750 KVA 950/480	OK		SJ
1/25	XC 102 #5 BELT	1000 KVA #17	OK		SJ
					SJ

NOTE'S

---



---



---



---

PERMISSIBILITY MUST BE SIGNED AND DATED  
SOUTH CRANDALL MINE

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
4/23	SO CRANDALL XC#1	#13 BELT DRIVE TRANS #1BELT	OK		SJ
4/23	XC 19 1EAST SOUTH CRANDALL	300 KVA #10	OK		SJ
4/23	SO. CRANDALL BOTTOM OF SLOPE	JOY TRANSFORMER #28	OK		SJ
4/23	SO. CRANDALL XC 6 MAINS	#21 BELT TRANSFORMER #3BELT	OK		SJ
4/23	SO CRANDALL XC 12	2 EAST BELT DRIVE 750 KVA #1TR	OK		SJ
4/23	SO CRANDALL 1 <sup>ST</sup> EAST XC 5	#20 1 <sup>ST</sup> E BELT TRANSFORMER	OK		SJ
4/23	3 <sup>RD</sup> EAST	7200 BELT DRIVE TRANS 750 KVA	OK		SJ
4/23	3 <sup>RD</sup> NORTH XC 5	#14 TRANS # 2 BILT DRIVR	OK		SJ
4/25	SOUTH MAINS X/C 1	#23 TRANS 7200 VOLTS	OK		SJ

NOTE'S \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

PERMISSIBILITY MUST BE SIGNED AND DATED  
SWITCH GEAR

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
4/25	XC 4 MAIN WEST	# 2 SWITCH GEAR 7200 VOLT	OK		SJ
4/25	XC 40 MAIN WEST	# 3 SWITCH GEAR 7200 VOLT	OK		SJ
4/25	XC 88 MAIN WEST	# 4 SWITCH GEAR 7200 VOLT	OK		SJ
4/25	XC 24 MAIN WEST	# 7 SWITCH GEAR 7200 VOLT	OK		SJ
4/25	XC 69 MAIN WEST	# 8 SWITCH GEAR 7200 VOLT	OK		SJ
4/25	XC 40 MAIN WEST	CAPACITOR BANK #1	OK		SJ
4/23	XC 6 SOUTH MAIN SOUTH CRANDALL	DUEL 7200V SWITCH GEAR #11 #3DRIVE	OK		SJ
4/23	XC 21 SOUTH CRANDALL	#5 DAUL SWICTH 7200	OK		SJ
4/23	XC 12 SOUTH CRANDALL	#1 SWITCH GEAR 7200 VOLT	OK		SJ

NOTE'S \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

PERMISSIBILITY MUST BE SIGNED AND DATED

DISTRIBUTION BOXES

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
4/25	XC 8 MAIN NORTH	#DIST BOX #11	OK		SJ
4/25	XC 40 MAIN WEST	# 8 DIST. BOX	OK		SJ
4/25	XC50 MAIN WEST	#5 DIST. BOX	OK		SJ
1/25	XC26 MAIN WEST	#10 DIST. BOX	OK		SJ
1/23	SO CRANDALL XC 0	#2 DIST- BOX	OK		SJ
4/23	SO CRANDALL BOAR HOLE	#6 DIST- BOX	OK		SJ
4/23	3 <sup>RD</sup> NORTH X/C 4	#16 D- BOX	OK		SJ
4/25	MW X/C 58	#12 D- BOX	OK		SJ

NOTE'S

---



---



---



---



---

# JAN Calibration list

2007

1-29-07

**Signature**

Comp. #	Penetration #	Item	Tag Name
<del>1</del>	<del>CO</del>	<del>TRUNK &amp; FEEDER</del>	<del>AI CO</del>
<del>2</del>	<del>CO</del>	<del>UPPER TRANSFER</del>	<del>AI CO</del>
<del>3</del>	<del>CO</del>	<del>#1 BELT DRIVE MAIN NORTH</del>	<del>AI CO</del>
<del>4</del>	<del>CO</del>	<del>XC6 MAIN NORTH TRANSFER</del>	<del>AI CO</del>
<del>5</del>	<del>CO</del>	<del>XC15 #1 BELT MAIN NORTH</del>	<del>AI CO</del>
<del>6</del>	<del>CO</del>	<del>#1 BELT PORTAL MAIN NORTH</del>	<del>AI CO</del>
<del>7</del>	<del>CO</del>	<del>XC25 #1 BELT MAIN NORTH</del>	<del>AI CO</del>
<del>8</del>	<del>CO</del>	<del>#2 BELT HEAD ROLLER MAIN WEST</del>	<del>AI CO</del>
<del>9</del>	<del>CO</del>	<del>XC5 #2 BELT DRIVE MAIN WEST</del>	<del>AI CO</del>
<del>10</del>	<del>CO</del>	<del>XL5 TRANSFER 101 MAIN WEST</del>	<del>AI CO</del>
<del>11</del>	<del>CO</del>	<del>XC17 MAIN WEST #2 BELT LINE</del>	<del>AI CO</del>
<del>12</del>	<del>CO</del>	<del>XC20 MAIN WEST #2 BELT LINE</del>	<del>AI CO</del>
<del>13</del>	<del>CO</del>	<del>XC28 MAIN WEST 101 SW RETURN</del>	<del>AI CO</del>
<del>14</del>	<del>CO</del>	<del>XC10 MAIN WEST #3 BELT HEAD</del>	<del>AI CO</del>
<del>15</del>	<del>CO</del>	<del>XC41 MAIN WEST #3 BELT LINE</del>	<del>AI CO</del>
<del>16</del>	<del>CO</del>	<del>XC46 MAIN WEST #3 BELT LINE</del>	<del>AI CO</del>
<del>17</del>	<del>CO</del>	<del>XC54 MAIN WEST #3 BELT LINE</del>	<del>AI CO</del>
<del>18</del>	<del>CO</del>	<del>XC62 MAIN WEST #3 BELT LINE</del>	<del>AI CO</del>
<del>19</del>	<del>CO</del>	<del>XC67 MAIN WEST #4 BELT HEAD</del>	<del>AI CO</del>
<del>20</del>	<del>CO</del>	<del>XC68 MAIN WEST #4 BELT DRIVE</del>	<del>AI CO</del>
<del>21</del>	<del>CO</del>	<del>XC77 MAIN WEST #4 BELT LINE</del>	<del>AI CO</del>
<del>22</del>	<del>CO</del>	<del>XC85 MAIN WEST #4 BELT LINE</del>	<del>AI CO</del>
<del>23</del>	<del>CO</del>	<del>XC89 MAIN WEST TRANSFER KW</del>	<del>AI CO</del>
<del>24</del>	<del>CO</del>	<del>XC97 MAIN WEST #4 BELT</del>	<del>AI CO</del>
<del>25</del>	<del>CO</del>	<del>MAIN WEST SECTION ALARM BOX</del>	<del>AI CO</del>
<del>26</del>	<del>CO</del>	<del>MAIN WEST XC163 #4 BELT TAIL</del>	<del>AI CO</del>
<del>27</del>	<del>CO</del>	<del>#6 BELT TAILPIECE</del>	<del>AI CO</del>
<del>28</del>	<del>CO</del>	<del>#7 BELT TAILPIECE</del>	<del>AI CO</del>
<del>29</del>	<del>CO</del>	<del>XC110 #5 BELT TAILPIECE MAIN W</del>	<del>AI CO</del>
<del>30</del>	<del>CO</del>	<del>SECTION CHARGER MAIN WEST</del>	<del>AI CO</del>
<del>31</del>	<del>CO</del>	<del>XC121 #7 BELT MAIN WEST</del>	<del>AI CO</del>
<del>32</del>	<del>CO</del>	<del>XC131 #7 BELT MAIN WEST</del>	<del>AI CO</del>
<del>33</del>	<del>CO</del>	<del>XC141 #7 BELT MAIN WEST</del>	<del>AI CO</del>
<del>34</del>	<del>CO</del>	<del>XC58 MAIN WEST #0 MAINS HEAD</del>	<del>AI CO</del>
<del>35</del>	<del>CO</del>	<del>SOUTH MAIN XC1 CHARGER</del>	<del>AI CO</del>
<del>36</del>	<del>CO</del>	<del>3RD NORTH BELT DRIVE</del>	<del>AI CO</del>
<del>37</del>	<del>CO</del>	<del>3RD NORTH CHARGER</del>	<del>AI CO</del>
<del>38</del>	<del>CO</del>	<del>3RD NORTH CHARGER</del>	<del>AI CO</del>
<del>39</del>	<del>CO</del>	<del>3RD NORTH HEAD ROLLER</del>	<del>AI CO</del>
<del>40</del>	<del>CO</del>	<del>3RD NORTH #1 BELT DRIVE</del>	<del>AI CO</del>
<del>41</del>	<del>CO</del>	<del>3RD NORTH SECTION BELT FEEDER</del>	<del>AI CO</del>
<del>42</del>	<del>CO</del>	<del>SEC 1 BELT TAIL PIECE</del>	<del>AI CO</del>
<del>43</del>	<del>CO</del>	<del>SEC 101 EAST BELT DRIVE</del>	<del>AI CO</del>
<del>44</del>	<del>CO</del>	<del>SEC #1 BELT DRIVE</del>	<del>AI CO</del>
<del>45</del>	<del>CO</del>	<del>SEC #2 BELT TAIL PIECE</del>	<del>AI CO</del>
<del>46</del>	<del>CO</del>	<del>SEC #3 BELT DRIVE</del>	<del>AI CO</del>
<del>47</del>	<del>CO</del>	<del>SEC XC15 101 EAST RETURN</del>	<del>AI CO</del>
<del>48</del>	<del>CO</del>	<del>SEC 2ND LAST HEAD ROLLER</del>	<del>AI CO</del>
<del>49</del>	<del>CO</del>	<del>SEC #1 BELT DRIVE</del>	<del>AI CO</del>
<del>50</del>	<del>CO</del>	<del>SEC XL5 101 EAST TRANSFER</del>	<del>AI CO</del>
<del>51</del>	<del>CO</del>	<del>SEC XC28 MAIN SOUTH CHARGER</del>	<del>AI CO</del>
<del>52</del>	<del>CO</del>	<del>SEC XC27 MAIN SOUTH CHARGER</del>	<del>AI CO</del>
<del>53</del>	<del>CO</del>	<del>SEC #3 BELT TAIL PIECE ALARM</del>	<del>AI CO</del>

Tag No	Description	Type	Tag Name
<del>1170</del>	CU SCC XC 7 INTAKE TRAVELWAY	AI	CU
<del>1175</del>	CU SCC END EAST LW POWER CENTER	AI	CU
<del>1181</del>	CU SCC 3RD EAST HEAD ROLLER	AI	CU
<del>1184</del>	CU SCC 3RD EAST BELT DRIVE	AI	CU
<del>1187</del>	CU SCC 3RD EAST BELT TAKE UP	AI	CU
<del>1178</del>	CU SCC 3RD EAST XC8 INTAKE	AI	CU
<del>1179</del>	CU SCC XC8 3RD EAST CHARGER	AI	CU
<del>1176</del>	CU SCC 3RD EAST OUNBY XC2 BELT	AI	CU
<del>1185</del>	CU SCC 3RD EAST IRBY XC 2 BELT	AI	CU
<del>1182</del>	CU SCC 3RD EAST INTAKE FEEDER	AI	CU
<del>1183</del>	CU SCC 3RD EAST BELT TAKEPIECE	AI	CU
<del>1188</del>	CU SCC XC16 MAIN SOUTH INTAKE	AI	CU
<del>1191</del>	CU SCC 3RD EAST XC7 BELT	AI	CU
<del>1194</del>	CU SCC 3RD EAST XC7 INTAKE	AI	CU
<del>1196</del>	CU SCC 3RD EAST BLEEDER CHARGER	AI	CU
<del>1198</del>	CU SCC 3RD EAST XC13 INTAKE	AI	CU
<del>1215</del>	CU SCC 3RD EAST XC13 BELT	AI	CU
<del>1218</del>	CU SCC 3RD EAST XC21 BELT	AI	CU
<del>1221</del>	CU SCC 3RD EAST XC21 INTAKE	AI	CU
<del>1224</del>	CU SCC 3RD EAST XC27 INTAKE	AI	CU
<del>1227</del>	CU SCC 3RD EAST XC27 BELT	AI	CU
<del>1230</del>	CU SCC XC26 MAIN SOUTH INTAKE	AI	CU

2MSHA04699

CONSPIC	VENTURION	3000	POINT TAG NAME LIST		
PtNo	Descriptor		Type	Tag Name	
782	NO DD TEST BENCH		A1	NO	
2036	NO SCC 2ND EAST HEAD ROLLER		A1	NO	
2121	NO SCC XC 7 INTAKE TRAVELWAY		A1	NO	
2156	NO SCC 2ND EAST LM POWER CONTROL		A1	NO	
2162	NO SCC 3RD EAST HEAD ROLLER		A1	NO	
2165	NO SCC 3RD EAST BELT DRIVE		A1	NO	
2168	NO SCC 3RD EAST BELT TAKE UP		A1	NO	
2171	NO SCC 3RD EAST XC8 INTAKE		A1	NO	
2177	NO SCC 3RD EAST DUBY XC2 BELT		A1	NO	
2180	NO SCC 3RD EAST ENDY XC 2 BELT		A1	NO	
2183	NO SCC 3RD EAST INTAKE FEEDER		A1	NO	
2186	NO SCC 3RD EAST BELT FALLPICK		A1	NO	
2189	NO SCC XC16 MAIN SOUTH INTAKE		A1	NO	
2192	NO SCC 3RD EAST XC7 BELT		A1	NO	
2195	NO SCC 3RD EAST XC7 INTAKE		A1	NO	
2199	NO SCC 3RD EAST XC13 INTAKE		A1	NO	
2216	NO SCC 3RD EAST XC13 BELT		A1	NO	
2219	NO SCC 3RD EAST XC21 BELT		A1	NO	
2222	NO SCC 3RD EAST XC21 INTAKE		A1	NO	
2225	NO SCC 3RD EAST XC27 INTAKE		A1	NO	
2228	NO SCC 3RD EAST XC27 BELT		A1	NO	
2231	NO SCC XC23 MAIN SOUTH INTAKE		A1	NO	

2MSHA04700

Comspec Generation 200      POINT TAG-NAME LIST

PTNo	Descriptor	Type	Tag Name
172	CH4 SEC 3RD EAST INBY XC 2 BELL	A1	CH4

2MSHA04701

**PERMISSIBILITY**

**January 2007**

**GRAVEYARD**

LOW & MEDIUM VOLTAGE  
MONTHLY CIRCUIT BREAKER TEST'S  
HIGH VOLTAGE TEST'S SUB-STATION  
SURFACE H.V. VISUAL DIS-CONNECT

SIGNED **SIGNATURE** \_\_\_\_\_ DATE 1-30-07

**MONTHLY INSPECTION OF HIGH VOLTAGE  
TRANSFORMER'S AND SWITCH GEAR**

FIRE PROTECTION , FIRE EXTINGUISHER FOR DEFECTS, 250 LBS. ROCK DUST, FIRE EXTINGUISHER INSPECTION TAG AND DATED
POWER CENTER FREE OF ACCUMULATIONS, COMBUSTIBLE MATERIAL, NO TRIPPING HAZARDS IN WALK WAY, 24" CLEARANCE AROUND ALL SIDES, CHECK FOR ROOF AND RIB HAZARD
RECEPTACLES AND PLUGS IN GOOD CONDITION, CIRCUITS CLEARLY IDENTIFIED, PROVISIONS FOR LOCK-OUT OF PLUGS, GROUND STRAPS ARE ATTACHED PROPERLY, PLUGS ARE IDENTIFIED, STRAIN CLAMPS ARE PROPERLY INSTALLED WITH ADDITIONAL INSULATION
INSTANTANEOUS SETTINGS ARE CORRECT (POWER CABLES OR TRAILING CABLES)
COVERS ARE IN PLACE AND SECURED DOWN, NO BOLTS MISSING, NO EXCESSIVE OPENINGS IN PANELS
ELECTRICAL COMPONENTS, CIRCUIT BREAKERS, MONITORS, TEST SWITCHES, EMERGENCY STOP BUTTON, IS IN GOOD CONDITION AND OPERATIVE
HIGH VOLTAGE, NIP IN GOOD CONDITION, STRAIN CLAMP INSTALLED, CLEARLY IDENTIFIED, CABLE GUARDED UNLESS 6 ½' ABOVE FLOOR, 120V AREA LIGHTS, PROVISIONS FOR LOCK OUT, VISUAL WINDOW IS CLEAR

**MONTHLY TEST'S OF ALL TRANSFORMER  
CIRCUIT BREAKER'S**

**FUNCTIONAL TEST'S OF AUXILIARY CIRCUIT'S**

DATE	LOCATION	EQUIP	CONTROL POWER	GROUND MONITOR	GROUND FAULT	COND. FOUND ACTION TAKEN	INITIALS
1/30	PORTAL	# 23 TRANS 600 KVA/480 950.	OK	OK	OK		SJ
1/30	# 3 BEIT	# 21 TRANSFORMER	OK	OK	OK		SJ
1/30	EAST ROAD	JOY TRANSFORMER # 28	OK	OK	OK		SJ
1/30	1 <sup>ST</sup> EAST BELT	# 20 TRANSFORMER	OK	OK	OK		SJ
1/30	XC 19 1 <sup>ST</sup> EAST	# 10 Transformer	OK	OK	OK		SJ
1/30	3 <sup>rd</sup> east xc-2	7200 belt Transformer	OK	OK	OK		SJ
1/30	XC 12 2 <sup>ND</sup> EAST BELT	1 TR TANSFORMER	OK	OK	OK		SJ
	3 <sup>rd</sup> east section transformer	# 18 Transformer 1750 kva				O.O.S.	

**NOTE'S**

---



---



---



---



---

2MSHA04704

**MONTHLY TEST'S OF ALL TRANSFORMER  
CIRCUIT BREAKER'S**

**FUNCTIONAL TEST'S OF AUXILIARY CIRCUIT'S**

DATE	LOCATION	EQUIP	CONTROL POWER	GROUND MONITOR	GROUND FAULT	COND. FOUND ACTION TAKEN	INITIALS
1/30	MW SECTION	SECTION TRANS #29	OK	OK	OK		SJ
1/30	MW XC 4	#2 BELT DRIVE TRANS # 5	OK	OK	OK		SJ
1/30	MN XC6	#1 BELT DRIVE TRANS # 2	OK	OK	OK		SJ
1/30	X/C 40 MW	#1 CAP BANK .750KVAR	OK	OK	OK		SJ
1/30	X/C 14 3 <sup>RD</sup> NORTH	#16 TRANS 1750 KVA 950 480V	OK	OK	OK		SJ

NOTE'S \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**MONTHLY TEST'S OF ALL TRANSFORMER  
CIRCUIT BREAKER'S**

**FUNCTIONAL TEST'S OF AUXILIARY CIRCUIT'S**

DATE	LOCATION	EQUIP	CONTROL POWER	GROUND MONITOR	GROUND FAULT	COND. FOUND ACTION TAKEN	INITIALS
Y30	MAIN WEST X/C 3 SHORT BELT # 6 AND #7 BELT	# 27 TRANS 1000 KVA 950/480 V.	OK	OK	OK		SJ
Y30	MAIN WEST SECTION TRANS.	# 30 TRANS 1000 KVA 950/480 V.	OK	OK	OK		SJ
Y30	XC102 MAIN WEST	#17 1000KVA	OK	OK	OK		SJ
Y30	XC69 MAIN WEST	# 19 TRANS 750 KVA 950/480 V.	OK	OK	OK		SJ
Y30	XC44 MAIN WEST	# 9 TRANS 750 KVA 950/480 V.	OK	OK	OK		SJ
Y30	XC40 MAIN WEST	# 5 TRANS 750 KVA 950/480 V.	OK	OK	OK		SJ
Y30	XC0 3 <sup>RD</sup> NORTH	#3 TRANS. 225KVA 480 V	OK	OK	OK		SJ
Y30	XC 4 3 <sup>RD</sup> NORTH	# 14 600 KVA 950 480	OK	OK	OK		SJ
Y30	X/C 2 SO MAINS	#23 1000 KVA 950 480V	OK	OK	OK		SJ
Y30	XC29 MAIN WEST	# 8 TRANS 500 KVA 950/480 V.	OK	OK	OK		SJ

NOTE'S \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**SUB-STATION CIRCUIT SETTING'S**

**INCOMING POWER**

OVER CURRENT RELAY  
CT RATIO 600:5

TAP SETTING- 8

TIME SETTING- 3

INST. SETTING- 7

**7200 U.G. FEEDER**

OVERCURRENT RELAY  
CT RATIO 100:5

TAP SETTING- 4

TIME SETTING- 6

INST. SETTING- 7

**12470 U.G. FEEDER**

OVERCURRENT RELAY  
CT RATIO 100:5

TAP SETTING- O.O.S.

TIME SETTING- \_\_\_\_\_

INST. SETTING- \_\_\_\_\_

**UNDER VOLTAGE RELAY**

TAP SETTING- 70

TIME SETTING- 5

**UNDER VOLTAGE RELAY**

TAP SETTING \_\_\_\_\_

TIME SETTING \_\_\_\_\_

GROUND FAULT SETTING  
CT RATIO 9:1

TAP SETTING- 3

TIME SETTING- 3

GROUND FAULT SETTING  
CT RATIO 9:1

TAP SETTING- 3

TIME SETTING- 5

GROUND FAULT SETTING  
CT RATIO 9:1

TAP SETTING \_\_\_\_\_

TIME SETTING \_\_\_\_\_

} O.O.S.

**SURFACE FEEDER**

OVER CURRENT RELAY  
CT RATIO 100:5

TAP SETTING 4

TIME SETTING- 5.9

INST. SETTING- 4

**7200 LOAD-OUT**

OVER CURRENT RELAY  
CT RATIO 100:5

TAP SETTING 2.5

TIME SETTING- 2

INST. SETTING 5

GROUND FAULT SETTING  
CT RATIO 9:1

TAP SETTING- 2

TIME SETTING- .5

GROUND FAULT SETTING  
CT RATIO 9:1

TAP SETTING- 1

TIME SETTING .1

**HIGH VOLTAGE SWITCH GEAR  
MONTHLY EXAM'S**

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
Y30	XC 4 M.W.	# 2 SWITCH GEAR 7200 VOLT	OK		SJ
Y30	XC 40 M.W.	# 3 SWITCH GEAR 7200 VOLT	OK		SJ
Y30	XC 88 M.W.	# 4 SWITCH GEAR 7200 VOLT	OK		SJ
Y30	XC 24 M.W.	# 7 SWITCH GEAR 7200 VOLT	OK		SJ
Y30	XC 69 M.W.	# 8 SWITCH GEAR 7200 VOLT	OK		SJ

NOTE'S \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**MONTHLY EXAM OF DIST. BOXES**

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
7/30	X/C 26 MW	#10 DIST BOX	OK		SJ
7/30	X/C 49 MW	# 9 DIST BOX	OK		SJ
7/30	XC 40 M.W.	# 8 DIST. BOX	OK		SJ
7/30	XC 16 MAIN NORTH	# 11 DIST. BOX	OK		SJ
7/30	XC 39 SO. MAIN	# 16 DIST. BOX	OK		SJ

NOTE'S \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**PERMISSIBILITY**

**January 2007**

**RUSS LARSEN**

**DRAW OFF TUNNEL METHANE MONITOR  
MONTHLY CALIBRATIONS**

**SIGNATURE**

A large black rectangular redaction box covers the signature area. The word "SIGNATURE" is printed in white at the top left of this box. Below the redaction, the date "1-31-07" is handwritten in black ink.

1-31-07

**PERMISSIBILITY MUST BE SIGNED AND DATED**

DATE	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
1-31-07	METHANE MONITOR			RL

NOTE'S \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2MSHA04711

**PERMISSIBILITY**

**January 2007**

**HUGH ARRIOTTI BLAIN FILLMORE**

**WAREHOUSE & OFFICE'S  
DRAW OFF TUNNEL  
LOAD-OUT METHANE MONITOR  
SHOP BATHHOUSE, UPPER BATHHOUSE  
UPPER OFFICE'S SC MCC ROOM SUB STAITIO  
OIL STATION**

**SIGNATURE**

SIGNED

DATE

*1-31-07*

**PERMISSIBILITY MUST BE SIGNED AND DATED**

2MSHA04712

**INSPECTION OF NON-PERMISSIBLE ELECTRICAL EQUIPMENT**

<p><b>FIRE PROTECTION, FIRE EXTINGUISHER FOR DEFECTS 250 LBS. ROCK DUST IF NEEDED, FIRE EXTINGUISHER INSPECTION TAG AND DATED, SELF ACTUATING FIRE SUPPRESSIONS ARE OPERATIVE AND WIRED CORRECTLY TO REMOVE POWER FROM EQUIPMENT OR ENGINE SHUT DOWN, NOZZLES ARE PROTECTED AND PROPER LOCATION, HOSE ARE SECURED AND PROTECTED FROM DAMAGE, GAS BOTTLES OR AIR TANKS ARE NOT EXPENDED OUT.</b></p>
<p><b>CABLES AND CONDUITS IN GOOD CONDITION, CABLE ENTRANCE GLANDS PROPERLY INSTALLED, ADDITIONAL INSULATION PROVIDED ON ENTRANCE GLAND IF NEEDED, CABLES ARE ENTERED CORRECTLY, MONITOR AND GROUND CONNECTION ARE SEPARATED, BUSHED WERE PASS THROUGH MEDAL WALLS</b></p>
<p><b>EQUIPMENT GUARDS ARE IN PLACE AND SECURED, OPENINGS IN ELECTRICAL CONTROLLERS PLUGGED OR COVERED, DOORS TO ELECTRICAL CIRCUITS ARE SECURED SHUT, VISUAL WINDOWS IN GOOD CONDITION, ELECTRICAL CABLES AND CONDUITS ARE PROTECTED FROM DAMAGE, EMERGENCY STOP SWITCHES WORK CORRECTLY, START AND STOP SWITCHES WORK PROPERLY, CHECK EQUIPMENT FOR PROPER OPERATION,</b></p>
<p><b>DISCONNECTS ARE IDENTIFIED CORRECTLY, ELECTRICAL PLUG AND RECEPTACLE IDENTIFIED CORRECTLY, RECEPTACLES AND PLUGS IN GOOD CONDITION, CIRCUITS ARE IDENTIFIED, PROVISIONS FOR LOCK OUT OF PLUG AND MACHINE, STRAIN CLAMPS INSTALLED AND WITH ADDITIONAL INSULATION, DUST COVERS FOR RECEPTACLES IN PLACE, GROUND STRAPS ARE HOOKED UP,</b></p>
<p><b>POWER CABLE IS HUNG ON INSULATORS, GUARDED WHERE IT CROSSES COMMUNICATION LINES AND HIGH VOLTAGE CABLE , IN GOOD CONDITION</b></p>
<p><b>CORRECT PROTECTION PROVIDED, OVERLOAD, SHORT CIRCUIT, GROUND FAULT, UNDER VOLTAGE,</b></p>
<p><b>CORRECT INSTANTANEOUS BREAKER SETTING (7 TIMES FLA=LOW 13 TIMES FLA=HIGH) THIS IS FOR POWER CABLES ONLY, 1.25 TIMES FLA= AMPACITES SIZE FOR CABLE</b></p>
<p><b>EQUIPMENT FREE OF ACCUMULATIONS, 24" CLEARANCE AROUND ALL SIDES, NO ROOF AND RIB HAZARDS, AREA WELL ROCK DUSTED</b></p>

INSPECTION OF PERMISSIBLE ELECTRICAL EQUIPMENT

<p>TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER</p>
<p>CABLE REELS SHEAVES TURN FREELY, SHARPE EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY</p>
<p>CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT</p>
<p>CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED</p>
<p>INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE</p>
<p>CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION</p>
<p>CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS</p>
<p>CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG</p>
<p>CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION</p>
<p>CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY</p>
<p>CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE</p>
<p>CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.</p>

COMMENTS:

**PERMISSIBILITY MUST BE SIGNED AND DATED**

DATE	LOCATION	CONDITION	ACTION TAKEN	INITIAL'S
1-27	SURFACE WAREHOUSE	OK		BF
1-27	UPSTAIRS OFFICE'S	OK		}
1-27	UPSTAIR'S LUNCHROOM	OK		
1-27	CONFERENCE ROOM	OK		
1-27	SHOP BATHHOUSE	OK		
1-26	UNDERGROUND OFFICE'S	Water heater junction box open and repaired		
1-27	UNDERGROUND BATHHOUSE	2 lights out	Replaced	
1-27	CONSPEC BOTH MINES	OK		
1-27	SOUTH GRANDALL 300 HP AIR COMPRESSOR	ODS		
1-27	HEATER IN AIR COMPRESSOR ROOM	OK		
1-27	SUB STATION	OK		
1-30	SC MCC ROOM	OK		
1-27	OIL STATION	light out	Replaced	
1-30	STAKER BELT	2 lights out	Replaced	

**PERMISSIBILITY**

**January 2007**

**HUGH ARRIOTTI BLAIN FILLMORE**

**TELEPORTER  
ROCK DUST SILO  
ISUZU, & DIESEL SHOP  
SHOP OFFICE  
CIRCUIT BREAKER TEST'S ON DIST. BOX IN SHOP**

**SIGNATURE**

SIGNED

DATE

*1-31-07*

**PERMISSIBILITY MUST BE SIGNED AND DATED**

DATE	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
				BF
1/26	ROCK DUST SILO	OK		}
1/26	ISUZU SHOP	Two light out	Repaired	
1-27	SURFACE SHOP	No Clearance on Discards	Cleared	
1-29	SHOP OFFICE	OK		
1-27	DIST. BOX CIRCUIT BREAKERS	Missing Dust Cover	Replaced	

NOTE'S Drill press needs cleaned & get out of Service

---



---



---

**LIST ALL ELECTRICAL HAND TOOL'S**

DATE	TOOL	CONDITION	ACTION TAKEN	INITIAL'S
	9" Drinder	OK		BF
	Elect Die Drinder	OK		}
	24 Battery Charge	Missing cover	Screws Replaced	

**PERMISSIBILITY**

**January 2007**

**HUGH ARRIOTTI BLAIN FILLMORE**

D-9 CAT, KOMATSU LOADER,  
LOAD-OUT BUILDING, RE-CLAIM BELT  
RE-CLAIM TUNNEL, TOOL SHED  
STACKER TUBE

SIGNED **SIGNATURE** DATE 1-31-07

2MSHA04718

### INSPECTION OF PERMISSIBLE DIESEL EQUIPMENT (HEAVY DUTY)

INTAKE AIR SYSTEM, CHECK FOR DAMAGE OR ALTERED, COPPER GASKET IN GOOD CONDITION, INTAKE FLAME ARRESTER CLEAN, NO EXCESSIVE OPENINGS .018 INCH FILAMENT TYPE, NO HOLE TYPE DO LIGHT TEST

EXHAUST SYSTEM, CHECK ALL BOLTS AND WASHERS IN PLACE AND TIGHT, ALL GASKETS INSTALLED AND JOINTS TIGHT, EXHAUST SYSTEM FASTENERS IN PLACE AND TIGHT, EXHAUST IN GOOD CONDITION, HOLES PLUGGED, NO CRACKS

CHECK SHUT DOWN, INTAKE VACUUM NOT TO EXCEED 25" OF WATER AT FULL THROTTLE, EXHAUST BACK PRESSURE AT FULL THROTTLE NOT TO EXCEED 34" OF WATER, CHECK FOR AIR SYSTEM LEAKS, SCRUBBER SYSTEM SHUT DOWN LOW WATER, HIGH TEMP. SHUT DOWN, HIGH COOLANT SHUT DOWN, EMERGENCY INTAKE AIR SHUT OFF OPERATIONAL, BRAKES OPERATIONAL SET UP WITH IN 5 SEC. OF SHUT DOWN, ALL COVERS AND GUARDS IN PLACE AND SECURED DOWN,

CHECK FIRE SUPPRESSION SPRAYS CAPPED, HOSED PROTECTED FROM DAMAGE, ACTUATOR PRESSURIZED, AUTOMATIC SYSTEM FUNCTIONAL, FIRE SUPPRESSION ENGINE SHUT DOWN OPERATIONAL, FIRE EXTINGUISHER MOUNTED, DATE AND INSPECTION TAG ATTACHED.

CHECK AUDIBLE WARNING DEVICE, MACHINE FREE OF ACCUMULATIONS, CHECK PARK BRAKE SYSTEM IS OPERATIONAL, CHECK MACHINE CONTROLS FOR PROPER OPERATION, ALL LIGHTS WORK IN BOTH DIRECTIONS, PACKING GLANDS INSTALLED CORRECTLY, PACKING NUTS SECURED WITH LOCKING DEVICE, UNUSED GLANDS SPOT WELDED, CABLES AND CONDUITS ARE FLAME RESISTANT, CABLES AND CONDUITS ARE PROTECTED FROM DAMAGE, EXPLOSION PROOF COMPARTMENTS, NO EXCESS GAPS. IN FLAME PATHS ALL BOLTS ARE TIGHT AND IN GOOD CONDITION, XP AND 2G TAGS ARE ON, ELECTRICAL SYSTEM IN GOOD CONDITION

### INSPECTION OF NON PERMISSIBLE DIESEL EQUIPMENT (HEAVY AND LIGHT DUTY)

FIRE PROTECTION, FIRE EXTINGUISHER FREE OF DEFECTS, INSPECTION TAG ON AND DATED, FIRE SUPPRESSION SYSTEM IS IN GOOD CONDITION AND OPERATIONAL, CAPS ARE ON NOZZLES, NOZZLES LOCATION IS CORRECT, ALL COMPONENTS ARE MOUNTED SECURELY,

SAFETY SHUT DOWN SYSTEMS ARE OPERATIONAL, FUEL SHUT OF VALVES IN GOOD CONDITION AND LOCATION IS CORRECT,

EQUIPMENT IS FREE OF OIL, COAL, FUEL ACCUMULATIONS, STARTER FLUID IS IN PROPER CONTAINER,

FUEL SYSTEM, CHECK FOR FUEL LEAKS, SELF CLOSING FUEL CAP IS WORKING PROPERLY, HIGH PRESSURE FUEL LINES GUARDED OR COVERED PROPERLY, FUEL LINES PROTECTED FROM DAMAGE, FUEL TANK GUARD IN PLACE

ELECTRICAL SYSTEM, CHECK FOR PROPER FUSE SIZE, CORRECT TYPE OF FUSE, BATTERY COVERS IN PLACE, WIRING OF PROPER SIZE, MAIN DISCONNECT WORKING PROPERLY, WIRING BUSHED THROUGH METAL WALLS, WIRING SECURED DOWN, CHECK AUDIBLE WARNING DEVICE WORKING CORRECTLY, CHECK NEUTRAL START SWITCH, ALL BARE ELECTRICAL TERMINALS ARE INSULATED, ALL REQUIRED LIGHTS ARE WORKING, CHECK FUEL LINE ARE SEPARATED FROM ELECTRICAL WIRING

CHECK FOR CORRECT MSHA APPROVAL TAG ON ENGINE, ALL GLASS IN GOOD CONDITION, OPERATIONAL CONTROLS WORKING PROPERLY, SPARK ARRESTER INTACT, MACHINE PARKING BRAKE AND SERVICE BRAKES WORKING PROPERLY, EMERGENCY STOP PANIC BARS CORRECTLY IN GAGE BRAKING SYSTEM AND STOP MACHINE, WITHIN 5 SECONDS OF ENGINE SHUT DOWN(HEAVY DUTY ONLY)

DATE	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
1-30	NEW D-9 CAT	Door Window Broken	Replaced	BF
1-30	KOMATSU LOADER	005		
1-30	LOAD-OUT BUILDING	3 lights out	Replaced	
1-30	RECLAIM BELT	1 light out	Replaced	
1-30	RECLAIM TUNNEL	OK		
1-30	STACKING TUBE	OK		
1-30	DRAW OFF TUNNEL	OK		
1-31	TOOL SHED	Walk ways	Cleared	
1-31	TELAPORTER	Accumulation	Fixed out	
1-31	AREA LIGHT'S ON SURFACE	2 out	Replaced	
1-31	CRUSHER BUILDING	3 lights out	Replaced	
1-31	MCC BUILDING	OK		
1-31	BOBCAT	OK		
1-31	320 LOADER	005		

NOTE'S

---



---



---



---



---

LIST ALL ELECTRICAL HAND TOOL'S

DATE	TOOL	CONDITION	ACTION TAKEN	INITIAL'S

**PERMISSIBILITY**  
**January 2007**

**BLAIN FILLMORE HUGH ARRIOTTI**

STACKER BELT CONTROL ROOM  
# 1, 2, 3, & 4 FAN'S & CONTROLLERS  
UNDERGROUND PARKING LIGHTS  
AIR COMPRESSOR, BATHHOUSE PUMP ROOM  
OLD SMOKING ROOM

SIGNED **SIGNATURE** \_\_\_\_\_ DATE 1-31-07

2MSHA04721

**PERMISSIBILITY MUST BE SIGNED AND DATED**

**MONTHLY PERMISSIBILITY**

DATE	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
1-27	# 1,2,3&4 FAN CONTROLLER	OK		BF
1-27	OLD SMOKING ROOM	OK		
1-27	110volt #10 air compressor	OK		
1-27	PARKING AREA LIGHTS	1 w/ft Fl. Light	Eliminated	
1-27	SHOWER PUMP ROOM	OK		
1-27	STACKER BELT CONTROL ROOM	OK		
1-27	# 1 MINE FAN	OK		
1-27	# 2 MINE FAN	OK		
1-27	# 3 MINE FAN	Cable pulled out of Packing	Repaired	
1-27	# 4 MINE FAN	OK		

PERMISSIBILITY WEEKLY DATE ENDING

<sup>03</sup>  
02-01-07

28 January 2007

RUSS LARSON

ALL CAP LAMP'S AND CHARGER'S

Signature

SIGNED

DATE

02-01-07

2MSHA04723

## INSPECTION OF PERMISSIBLE ELECTRICAL EQUIPMENT

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARPE EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

COMMENTS:

2MSHA04724

JAN  
2007

PERMISSIBILITY MUST BE SIGNED AND DATED

DATE	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
31	# 1 CAP LAMP & CHARGER	OK		RIL
/	# 2 CAP LAMP & CHARGER			
31	# 3 CAP LAMP & CHARGER			
/	# 4 CAP LAMP & CHARGER			
31	# 5 CAP LAMP & CHARGER			
/	# 6 CAP LAMP & CHARGER			
31	# 7 CAP LAMP & CHARGER	OK		
	<del># 8 CAP LAMP &amp; CHARGER</del>	<del>OK</del>		
31	# 9 CAP LAMP & CHARGER	OK		
/	# 10 CAP LAMP & CHARGER			
31	# 11 CAP LAMP & CHARGER			
/	# 12 CAP LAMP & CHARGER			
	# 13 CAP LAMP & CHARGER			
	# 14 CAP LAMP & CHARGER			
31	# 15 CAP LAMP & CHARGER			
/	# 16 CAP LAMP & CHARGER			
31	# 17 CAP LAMP & CHARGER			
/	# 18 CAP LAMP & CHARGER			
	# 19 CAP LAMP & CHARGER			
	# 20 CAP LAMP & CHARGER			
31	# 21 CAP LAMP & CHARGER	OK		
	<del># 22 CAP LAMP &amp; CHARGER</del>	<del>OK</del>		
31	# 23 CAP LAMP & CHARGER	OK		
/	# 24 CAP LAMP & CHARGER			
31	# 25 CAP LAMP & CHARGER	OK		

NOTE'S

---



---



---



---



---

JAN  
2007

PERMISSIBILITY MUST BE SIGNED AND DATED

DATE	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
31	#26 CAP LAMP & CHARGER	OK		PK
31	#27 CAP LAMP & CHARGER	OK		PK
/	#28 CAP LAMP & CHARGER			
/	#29 CAP LAMP & CHARGER			
31	#30 CAP LAMP & CHARGER			
/	#31 CAP LAMP & CHARGER			
31	#32 CAP LAMP & CHARGER			
31	#33 CAP LAMP & CHARGER			
/	#34 CAP LAMP & CHARGER			
31	#35 CAP LAMP & CHARGER		OK	
/	#36 CAP LAMP & CHARGER		POS	
31	#37 CAP LAMP & CHARGER	OK		PK
31	#38 CAP LAMP & CHARGER	OK		
/	#39 CAP LAMP & CHARGER			
/	#40 CAP LAMP & CHARGER			
/	#41 CAP LAMP & CHARGER			
/	#42 CAP LAMP & CHARGER			
/	#43 CAP LAMP & CHARGER			
/	#44 CAP LAMP & CHARGER			
31	#45 CAP LAMP & CHARGER			
31	#46 CAP LAMP & CHARGER			
/	#47 CAP LAMP & CHARGER			
/	#48 CAP LAMP & CHARGER			
31	#49 CAP LAMP & CHARGER			
31	#50 CAP LAMP & CHARGER	OK		PK

NOTE'S

---



---



---



---



---





JAN  
2007

DATE	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S		
31	# 203 CAP LAMP & CHARGER	OK		RC		
/	# 204 CAP LAMP & CHARGER					
31	# 205 CAP LAMP & CHARGER					
/	# 206 CAP LAMP & CHARGER					
31	# 207 CAP LAMP & CHARGER					
31	# 208 CAP LAMP & CHARGER					
/	# 209 CAP LAMP & CHARGER					
/	# 210 CAP LAMP & CHARGER					
31	# 211 CAP LAMP & CHARGER					
/	# 212 CAP LAMP & CHARGER					
31	# 213 CAP LAMP & CHARGER					
/	# 214 CAP LAMP & CHARGER					
31	# 215 CAP LAMP & CHARGER					
/	# 216 CAP LAMP & CHARGER					
/	# 217 CAP LAMP & CHARGER					
/	# 218 CAP LAMP & CHARGER					
/	# 219 CAP LAMP & CHARGER					
31	# 220 CAP LAMP & CHARGER		OK			NY
	# 221 CAP LAMP & CHARGER					
	# 222 CAP LAMP & CHARGER					
	# 223 CAP LAMP & CHARGER					
	# 224 CAP LAMP & CHARGER					
	# 225 CAP LAMP & CHARGER					
	# 226 CAP LAMP & CHARGER					
	# 227 CAP LAMP & CHARGER					
	# 228 CAP LAMP & CHARGER					
	# 229 CAP LAMP & CHARGER					
	# 230 CAP LAMP & CHARGER					



JAN  
2007

PERMISSIBILITY MUST BE SIGNED AND DATED

DATE	EQUIPMENT CHARGERS ABOVE SHOP	CONDITION	ACTION TAKEN	INITIAL'S
31	# 1 CAP LAMP & CHARGER	OK		RC
/	# 2 CAP LAMP & CHARGER			
/	# 3 CAP LAMP & CHARGER			
/	# 4 CAP LAMP & CHARGER			
/	# 5 CAP LAMP & CHARGER			
31	# 6 CAP LAMP & CHARGER			
/	# 7 CAP LAMP & CHARGER			
31	# 8 CAP LAMP & CHARGER			
/	# 9 CAP LAMP & CHARGER			
31	# 10 CAP LAMP & CHARGER			
/	# 11 CAP LAMP & CHARGER			
31	# 12 CAP LAMP & CHARGER			
/	# 13 CAP LAMP & CHARGER			
31	# 14 CAP LAMP & CHARGER			
/	# 15 CAP LAMP & CHARGER			
/	# 16 CAP LAMP & CHARGER			
/	# 17 CAP LAMP & CHARGER			
31	# 18 CAP LAMP & CHARGER			
31	# 19 CAP LAMP & CHARGER			
31	# 20 CAP LAMP & CHARGER	OK		M
	# 21 CAP LAMP & CHARGER			
	# 22 CAP LAMP & CHARGER			
	# 23 CAP LAMP & CHARGER			
	# 24 CAP LAMP & CHARGER			
	# 25 CAP LAMP & CHARGER			
	# 26 CAP LAMP & CHARGER			
	# 27 CAP LAMP & CHARGER			
	# 28 CAP LAMP & CHARGER			
	# 29 CAP LAMP & CHARGER			
	# 30 CAP LAMP & CHARGER			

**PERMISSIBILITY MUST BE SIGNED AND DATED**

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
	SHOP	# 1 CAP LAMP & CHARGER			
	SHOP	# 2 CAP LAMP & CHARGER			
	SHOP	# 3 CAP LAMP & CHARGER			
	SHOP	# 4 CAP LAMP & CHARGER			
	SHOP	# 5 CAP LAMP & CHARGER			
	SHOP	# 6 CAP LAMP & CHARGER			
	SHOP	# 7 CAP LAMP & CHARGER			
	SHOP	# 8 CAP LAMP & CHARGER			
	SHOP	# 9 CAP LAMP & CHARGER			
	SHOP	# 10 CAP LAMP & CHARGER			
	SHOP				
	SHOP				

NOTE'S \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

PERMISSIBILITY WEEKLY DATE ENDING 02-03-07

28 January 2007

RUSS LARSON  
CRANDALL MINE CONSPEC SYSTEM  
SOUTH CRANDALL MINE CONSPEC SYSTEM

**Signature**

SIGNED

DATE

02-01-07

2MSHA04733

PERMISSABILITY MUST BE SIGNED AND DATED

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARPE EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

COMMENTS:

PERMISSIBILITY MUST BE SIGNED AND DATED

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2-1-07	CRANDALL MINE	CONSPEC SYSTEM	OK		RL
2-1-07	SO. CRANDALL MINE	CONSPEC SYSTEM	OK		RL
<i>Section alarm functions test</i>					
2-3-07	Maintenance		OK		RL

NOTE'S \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

LIST ALL ELECTRICAL HAND TOOL'S

DATE	TOOL	CONDITION	ACTION TAKEN	INITIAL'S
2-1-07	Battery Drill & Charger	OK		RL

PERMISSIBILITY WEEKLY DATE ENDING \_\_\_\_\_

MAIN WEST SECTION  
JASON FURRH  
#13269 FEEDER BREAKER  
12-6SC 12-8 SC 12-9 S/C 12-11 S/C

SIGNED  DATE 2-1-07

2MSHA04736

PERMISSIBILITY MUST BE SIGNED AND DATED

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2/1	MAIN WEST	FEEDER BREAKER 13269	ACCUMULATION OIL/COAL/GREASE	WASHED	J
2/1	MAIN WEST	12-6 SC	OIL ACCUM. BAD WHEEL UNITS	TAGGED	J
2/1	MAIN WEST	12-8 SC	ACCUM. OIL/COAL	WASHED	J
2/1	MAIN WEST	12-11 SC	CONV. MOTOR CONDUIT PULLED OUT OF GLAND	REPAIRED AND RE- ENTERED CONDUIT AND ENTRANCE GLAND	J
2/1	MAIN WEST	12-9 S/C	OOS DBT	OOS	J
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
		JASON FURR H			

NOTE'S # 12-6 SHUTTLE CAR HAT TO RE-TAG ~~IT~~ IT MY  
PREVIOUS TAG WAS RE-MOVED

LIST ALL ELECTRICAL HAND TOOL'S

DATE	TOOL	CONDITION	ACTION TAKEN	INITIAL'S

PERMISSIBILITY WEEKLY DATE ENDING 2-3

28 January 2007

JOHN SISINERO

# 5 & 7 848 BATTERY CAR'S  
BELT PORTAL DUSTER  
BELT PORTAL MAGNET'S & CONTROLLER'S  
MAIN LINE TRICKLE DUSTER'S  
, DIESEL GENERATOR BATTERY BOSTER #1  
SOUTH CRANDALL PUMPS  
ALL CRANDALL MINE BELTS & TAKE-UPS  
BELT BRAKES

SIGNED

SIGNATURE

DATE

2-1

2MSHA04739

## INSPECTION OF NON-PERMISSIBLE ELECTRICAL EQUIPMENT

FIRE PROTECTION, FIRE EXTINGUISHER FOR DEFECTS 250 LBS. ROCK DUST IF NEEDED, FIRE EXTINGUISHER INSPECTION TAG AND DATED, SELF ACTUATING FIRE SUPPRESSIONS ARE OPERATIVE AND WIRED CORRECTLY TO REMOVE POWER FROM EQUIPMENT OR ENGINE SHUT DOWN, NOZZLES ARE PROTECTED AND PROPER LOCATION, HOSE ARE SECURED AND PROTECTED FROM DAMAGE, GAS BOTTLES OR AIR TANKS ARE NOT EXPENDED OUT.

CABLES AND CONDUITS IN GOOD CONDITION, CABLE ENTRANCE GLANDS PROPERLY INSTALLED, ADDITIONAL INSULATION PROVIDED ON ENTRANCE GLAND IF NEEDED, CABLES ARE ENTERED CORRECTLY, MONITOR AND GROUND CONNECTION ARE SEPARATED, BUSHED WERE PASS THROUGH MEDAL WALLS

EQUIPMENT GUARDS ARE IN PLACE AND SECURED, OPENINGS IN ELECTRICAL CONTROLLERS PLUGGED OR COVERED, DOORS TO ELECTRICAL CIRCUITS ARE SECURED SHUT, VISUAL WINDOWS IN GOOD CONDITION, ELECTRICAL CABLES AND CONDUITS ARE PROTECTED FROM DAMAGE, EMERGENCY STOP SWITCHES WORK CORRECTLY, START AND STOP SWITCHES WORK PROPERLY, CHECK EQUIPMENT FOR PROPER OPERATION,

DISCONNECTS ARE IDENTIFIED CORRECTLY, ELECTRICAL PLUG AND RECEPTACLE IDENTIFIED CORRECTLY, RECEPTACLES AND PLUGS IN GOOD CONDITION, CIRCUITS ARE IDENTIFIED, PROVISIONS FOR LOCK OUT OF PLUG AND MACHINE, STRAIN CLAMPS INSTALLED AND WITH ADDITIONAL INSULATION, DUST COVERS FOR RECEPTACLES IN PLACE, GROUND STRAPS ARE HOOKED UP,

POWER CABLE IS HUNG ON INSULATORS, GUARDED WHERE IT CROSSES COMMUNICATION LINES AND HIGH VOLTAGE CABLE, IN GOOD CONDITION

CORRECT PROTECTION PROVIDED, OVERLOAD, SHORT CIRCUIT, GROUND FAULT, UNDER VOLTAGE,

CORRECT INSTANTANEOUS BREAKER SETTING (7 TIMES FLA=LOW 13 TIMES FLA=HIGH)  
THIS IS FOR POWER CABLES ONLY, 1.25 TIMES FLA= AMPACITES SIZE FOR CABLE

EQUIPMENT FREE OF ACCUMULATIONS, 24" CLEARANCE AROUND ALL SIDES, NO ROOF AND RIB HAZARDS, AREA WELL ROCK DUSTED

## INSPECTION OF PERMISSIBLE ELECTRICAL EQUIPMENT

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARPE EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

COMMENTS:

2MSHA04741

PERMISSIBILITY MUST BE SIGNED AND DATED

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
	GENERAL				
2-1	GENERAL MINE	# 5 848 BATTERY SHUTTLE CAR	O.O.S		JL
2-1	GENERAL MINE XC1 MW	# 7 848 BATTERY SHUTTLE CAR	O.O.S		JL
2-1	GENERAL MINE	# 5 BOLTER SINGLE BOOM	O.O.S		JL
2-1	GEN MINE	213 LEENORES ROOF BOLTER	OOS		JL
2-1	GEN MINE	#6 BATTERY SC	OOS		JL
2-1	GEN. MINE	GARY'S OFFICE	BATTERY BOSTER#1 c/k	None	JL

PERMISSIBILITY MUST BE SIGNED AND DATED

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2-1	BELT PORTAL	TRICKLE DUSTER#ST4471	Dirty	Washed	JZ
2-1	BELT PORTAL	CONTROL BOXES, E.T.C.	OK		JZ
2-1	BELT PORTAL	MAGNET # 1 HEAD ROLLER	OK		JZ
2-1	GEN. MINE	DIESEL GENERATOR	Not on Property		JZ

NOTE'S \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



**PERMISSIBILITY MUST BE SIGNED AND DATED**

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2-1	#1 BELT PORTAL	6.4PUMP SC #P1	OOS		JR
2-1	#1 BELT OVERCAST	10HP PUMP SC #P2	OOS		JR
2-1	XC 22 main so	5 HP PUMP #15 SO.CRANDALL	OOS		JR
2-1	SO. CRANDALL ROCK ROOMS	6.4 KW STANCOR PUMP SC #P12	OK	None	JR
2-1	SO. CRANDALL	LEE NORIS ROOF BOLTER	OOS		JR
2-1	SC INTAKE BOTTOM OF SLOPE	5HP SC #P3	OK		JR
2-1	SC SOUTH MAINS FACE	5 HP SC#P8	OOS		JR
2-1	SC NORTH RETURN FACE	5HP #P9	OOS		JR
2-1	SOUTH MAIN XC 1	54KW SC #P10	OOS		JR
2-1	XC 2 #4 BELT	5HP #P11	OOS		JR
2-1	BORE HOLE	5HP SC #P5-13	OOS		JR
2-1	XC 24 SO. CRANDLL SO. MAIN	10HP SC #P14	OOS		JR
2-1	2ND EAST INTAKE	5HP PUMP SC #P19			JR
2-1	3RD EAST BELT DRIVE	6.4 KW STANCOR PUMP SC #P21	OOS		JR
2-1	1 <sup>ST</sup> EAST X/C 18	58HP SC #16	OOS		JR

NOTE'S \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**PERMISSIBILITY MUST BE SIGNED AND DATED**

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2-1	#1 BELT DRIVE	3.6 HP PUMP#P2 FLYGHT	Gone		JR
2-1	XC 1 #1 BELT	10 HP PUMP #P1 STANCOR	OK	None	JR
2-1	#1 BELT TAIL	5 HP PUMP #P3 FLYGHT <sup>P50</sup> stancor	OK	None	JR
2-1	XC 6 M.W. BELT LINE	6.4 KW PUMP #P4STANCOR	OK	None	JR
2-1	1 <sup>ST</sup> SOUTH XC #6	5 HP PUMP #P5 FLYGHT	OK	None	JR
2-1	XC 38 M.W. BELT	5 HP PUMP #P8 FLYGHT	OK	None	JR
2-1	XC 39 M.W. BELT	3.5 KW PUMP #P9 FLYGHT	OK	None	JR
2-1	XC 45 M.W.	#1 150 HP PUMP& #1 CONTROLLER	OK	None	JR
2-1	XC 45 M.W.	#2 150 HP PUMP	OK	None	JR
2-1	XC 47 M.W BELT	6.4 KW PUMP #P10 STANCOR	OK	None	JR
2-1	XC 46 M.W.	13 HP PUMP#P11 FLYGHT	OK	None	JR
2-1	XC 46 M.W.	#P1 200 HP HIGH PRESSURE PUMP	OK	None	JR
2-1	3 <sup>RD</sup> NO #1 BELT TAIL	6.4 STANCOR #P23	OOS		
2-1	3 <sup>RD</sup> NO. HEAD ROLLER	5 HP PUMP #P7 FLYGHT	OOS		
2-1	XC 46 MAIN WEST INTAKE	5 HP PUMP P19	<del>None</del> OK	None	JR
2-1	XC 40 MAIN WEST	5 HP PUMP #P6 FLYGHT	<del>None</del> OK	None	JR
2-1	XC 45 M.W.	150 HP PUMP osna	<del>None</del> OK	None	JR
2-1	XC 65 MW	2CERCUIT D BOX #12	<del>None</del> OK	None	JR
2-1	XC 63 MW	5HP PUMP	<del>None</del> OK	None	JR

NOTE'S \_\_\_\_\_

**PERMISSIBILITY MUST BE SIGNED AND DATED**

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2-1	XC 50 M.W. INTAKE	18 HP PUMP#P13 STANCOR	OK	None	JR
2-1	XC 51 M.W. INTAKE	6.4 HP PUMP#P14 STANCOR	OK	None	JR
2-1	XC 68 M.W. INTAKE	6.4 HP PUMP#P15 FYGHT	OK	None	JR
2-1	SO. CRANDAL XC 6.5 3 <sup>RD</sup> EAST	#18 D-BOX	OK	None	JR
2-1	1 <sup>ST</sup> RIGHT SEALS	13 HP PUMP# P 17	OK	None	JR
2-1	1 <sup>ST</sup> RIGHT SEALS	1 1/2 HP PUMP # P18	OK	None	JR
2-1	NEXTED PUMP P20		OK	None	JR
2-1	Major west section	13hp pump	OK	None	JR
2-1		P20	OK	None	JR

**NOTE'S** \_\_\_\_\_

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2-1	SO. CRANDALL XC 1	#1 BELT DRIVE AND LIGHTS	OOS		JL
2-1	SO. CRANDALL	3 <sup>RD</sup> EAST BELT AND TAKE UP SUP 500	OOS		JL
2-1	SO. CRANDALL	#2 BELT DRIVE & LIGHTS	OOS		JL
2-1	SO. CRANDALL	#3 BELT DRIVE, LIGHTS & BRAKE CONTROLLER & TAKE-UP	OOS		JL
2-1	SO. CRANDALL	#1 BELT SCALES	OOS		JL
2-1	SO. CRANDALL	#4 BATTERY COAL HAULER	OOS		JL
2-1	SO CRANDALL	2 EAST BELT & CONTROLLER	OOS		JL
2-1	SO CRANDALE	SUPER 500 & CONTROLLER 2 EAST	OOS		JL
2-1	CRANDALE	#1 LEE NORSE	OOS		JL
	SO. CRANDALL				
	SO. CRANDALL				
	SO. CRANDALL				
	SO. CRANDALL				

NOTES:

---



---



---



---



---

**PERMISSIBILITY MUST BE SIGNED AND DATED**

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2-1	XC 3 MAIN NORTH	#1 DRIVE & TAKE-UP	Dirty	Washed	JR
2-1	XC 5 MAIN WEST	#2 DRIVE & TAKE-UP	OK	None	JR
2-1	XC 39 MAIN WEST	#3 DRIVE & TAKE-UP	Dirty	Washed	JR
2-1	XC 69 MAIN WEST	#4 DRIVE & TAKE-UP	OK	None	JR
2-1	XC 70 MAIN WEST	#4 BELT BRAKE	OK	None	JR
2-1	XC 1 SO.MAINS	SO.MAINS #1 BELT DRIVE & TAKE-UP	OK		JR
2-1	XC 33 MAIN WEST	3 <sup>RD</sup> #1 NORTH BELT DRIVE.	OK	None	JR
2-1	XC 103 MAIN WEST	#5 DRIVE & TAKE-UP	Balls off	replaced	JR
2-1	MAIN WEST SHORT BELT	# 6 BELT DRIVE	OK	None	JR
2-1	MAIN WEST SECTION BELT	# 7 BELT DRIVE TAKE-UP	OK	None	JR
2-1	XC 63 <sup>RD</sup> NORTH	3 <sup>RD</sup> NORTH #2 BELT DRIVE	OK	None	JR

NOTES: -----  
 -----  
 -----  
 -----  
 -----

PERMISSIBILITY WEEKLY DATE ENDING 2307

28 January 2007

FOSTER MCAURTHUR

ALL PORTABLE AND PERMANENT PUMP'S

SIGNATURE

SIGNED

DATE 2.2.07

## INSPECTION OF NON-PERMISSIBLE ELECTRICAL EQUIPMENT

FIRE PROTECTION, FIRE EXTINGUISHER FOR DEFECTS 250 LBS. ROCK DUST IF NEEDED, FIRE EXTINGUISHER INSPECTION TAG AND DATED, SELF ACTUATING FIRE SUPPRESSIONS ARE OPERATIVE AND WIRED CORRECTLY TO REMOVE POWER FROM EQUIPMENT OR ENGINE SHUT DOWN, NOZZLES ARE PROTECTED AND PROPER LOCATION, HOSE ARE SECURED AND PROTECTED FROM DAMAGE, GAS BOTTLES OR AIR TANKS ARE NOT EXPENDED OUT.

CABLES AND CONDUITS IN GOOD CONDITION, CABLE ENTRANCE GLANDS PROPERLY INSTALLED, ADDITIONAL INSULATION PROVIDED ON ENTRANCE GLAND IF NEEDED, CABLES ARE ENTERED CORRECTLY, MONITOR AND GROUND CONNECTION ARE SEPARATED, BUSHED WERE PASS THROUGH MEDAL WALLS

EQUIPMENT GUARDS ARE IN PLACE AND SECURED, OPENINGS IN ELECTRICAL CONTROLLERS PLUGGED OR COVERED, DOORS TO ELECTRICAL CIRCUITS ARE SECURED SHUT, VISUAL WINDOWS IN GOOD CONDITION, ELECTRICAL CABLES AND CONDUITS ARE PROTECTED FROM DAMAGE, EMERGENCY STOP SWITCHES WORK CORRECTLY, START AND STOP SWITCHES WORK PROPERLY, CHECK EQUIPMENT FOR PROPER OPERATION,

DISCONNECTS ARE IDENTIFIED CORRECTLY, ELECTRICAL PLUG AND RECEPTACLE IDENTIFIED CORRECTLY, RECEPTACLES AND PLUGS IN GOOD CONDITION, CIRCUITS ARE IDENTIFIED, PROVISIONS FOR LOCK OUT OF PLUG AND MACHINE, STRAIN CLAMPS INSTALLED AND WITH ADDITIONAL INSULATION, DUST COVERS FOR RECEPTACLES IN PLACE, GROUND STRAPS ARE HOOKED UP,

POWER CABLE IS HUNG ON INSULATORS, GUARDED WHERE IT CROSSES COMMUNICATION LINES AND HIGH VOLTAGE CABLE, IN GOOD CONDITION

CORRECT PROTECTION PROVIDED, OVERLOAD, SHORT CIRCUIT, GROUND FAULT, UNDER VOLTAGE,

CORRECT INSTANTANEOUS BREAKER SETTING (7 TIMES FLA=LOW 13 TIMES FLA=HIGH)  
THIS IS FOR POWER CABLES ONLY, 1.25 TIMES FLA= AMPACITES SIZE FOR CABLE

EQUIPMENT FREE OF ACCUMULATIONS, 24" CLEARANCE AROUND ALL SIDES, NO ROOF AND RIB HAZARDS, AREA WELL ROCK DUSTED

2MSHA04751

## INSPECTION OF PERMISSIBLE ELECTRICAL EQUIPMENT

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARP EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

COMMENTS:

---



---



---



---

**PERMISSIBILITY MUST BE SIGNED AND DATED**

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2-1-07	XC15 RETURN	5HP PUMP P 5-36	α		FM
1-31-07	XC39 MW RETURN	6.4 HP PUMP P 6.4-35	α		FM
1-31-07	XC 39 MW RETURN	13HP PUMP P13 - 34	α		FM
1-31-07	XC 44 M.W. RETURN	6.4 KW PUMP P6.4 33	α		FM
1-31-07	XC 47 M.W. RETURN	6.4KW PUMP P 6.4-30	α		FM
	1 <sup>ST</sup> EAST BLEEDER PUMPS	2 G PUMP SYSTEM			
1-30-07	XC 52 1 <sup>ST</sup> EAST	13 HP PUMP SC #18	α		FM
1-30-07	XC5 BLEEDER	13 HP PUMP	α		FM
1-30-07	XC35 2EAST	13HP PUMP	α		FM
	2 <sup>ND</sup> EAST	2 G PUMP SYSTEM			
1-30-07	XC33 2NDEAST	5HP PUMP	α		FM
1-30-07	XC 20	D BOXES # 7 & RED OUT	α		FM
1-30-07	XC 23 BLEEDER	5HP PUMP P# 23	α		FM
1-30-07	XC-52 1 <sup>ST</sup> EAST	13 HP P# 52	α		FM

NOTE'S \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
	1 <sup>ST</sup> WEST & 2 WEST BLEEDER	2G PUMP SYSTEM			
1-29-07	XC 12 1 <sup>ST</sup> WEST	2G P 13 -1	α		FM
1-29-07	XC 1 BLEEDER 1 <sup>ST</sup> WEST	2G P13 -2	α		FM
1-29-07	XC 7 2ND WEST BLEEDER	2G P 13-3	+ α		FM
1-29-07	DOG LEG 2 <sup>ND</sup> WEST BLEEDER	2G P13-4	α		FM
1-29-07	3 <sup>RD</sup> LEFT	2G P 5-1	α		FM
1-29-07	REGULATOR 31/4	2G P 5-2	α		FM
1-29-07	3 1/2 CORNER	2G P 13-5	α		FM
1-29-07	3 1/2 CORNER	2G P 28 -1	α		FM
1-29-07	3 1/2 BLEEDER	2G 5-3	α		FM
1-29-07	3 1/4 XC2	2G 5-4	α		FM
1-29-07	3 1/4 XC 5	2G 5-5	α		FM
1-29-07	3 1/4 XC 10	2G 5-6	α		FM
1-29-07	3 1/2 CORNER	2G 30hp pump	α		FM
1-29-07	3 1/2 CORNER	2G30hp pump	α		FM

PERMISSIBILITY MUST BE SIGNED AND DATED

PERMISSIBILITY WEEKLY DATE ENDING 2-2-07

28 January 2007

HUGH ARRIOTTI BLAIN FILLMORE

OUT-BY 2- ENTRY DIESEL EQUIPMENT

, DIESEL BOLTER ALLCO GATOR  
, # 404, JEFFRY DUSTER #10 BUCKEN WHILLEY

Signature

SIGNED

DATE

2-2-07

2MSHA04755

**INSPECTION OF NON-PERMISSIBLE DIESEL EQUIPMENT  
(HEAVY AND LIGHT DUTY)**

FIRE PROTECTION, FIRE EXTINGUISHER FREE OF DEFECTS, INSPECTION TAG ON AND DATED, FIRE SUPPRESSION SYSTEM IS IN GOOD CONDITION AND OPERATIONAL, CAPS ARE ON NOZZLES, NOZZLES LOCATION IS CORRECT, ALL COMPONENTS ARE MOUNTED SECURELY,

SAFETY SHUT DOWN SYSTEMS ARE OPERATIONAL, FUEL SHUT OFF VALVES IN GOOD CONDITION AND LOCATION IS CORRECT,

EQUIPMENT IS FREE OF OIL, COAL, FUEL ACCUMULATIONS, STARTER FLUID IS IN PROPER CONTAINER,

FUEL SYSTEM, CHECK FOR FUEL LEAKS, SELF CLOSING FUEL CAP IS WORKING PROPERLY, HIGH PRESSURE FUEL LINES GUARDED OR COVERED PROPERLY, FUEL LINES PROTECTED FROM DAMAGE, FUEL TANK GUARD IN PLACE

ELECTRICAL SYSTEM, CHECK FOR PROPER FUSE SIZE, CORRECT TYPE OF FUSE, BATTERY COVERS IN PLACE, WIRING OF PROPER SIZE, MAIN DISCONNECT WORKING PROPERLY, WIRING BUSHED THROUGH METAL WALLS, WIRING SECURED DOWN, CHECK AUDIBLE WARNING DEVICE WORKING CORRECTLY, CHECK NEUTRAL START SWITCH, ALL BARE ELECTRICAL TERMINALS ARE INSULATED, ALL REQUIRED LIGHTS ARE WORKING, CHECK FUEL LINE ARE SEPARATED FROM ELECTRICAL WIRING

CHECK FOR CORRECT MSHA APPROVAL TAG ON ENGINE, ALL GLASS IN GOOD CONDITION, OPERATIONAL CONTROLS WORKING PROPERLY, SPARK ARRESTER INTACT, MACHINE PARKING BRAKE AND SERVICE BRAKES WORKING PROPERLY, EMERGENCY STOP PANIC BARS CORRECTLY IN GAGE BRAKING SYSTEM AND STOP MACHINE, WITHIN 5 SECONDS OF ENGINE SHUT DOWN (HEAVY DUTY ONLY)

### INSPECTION OF PERMISSIBLE DIESEL EQUIPMENT (HEAVY DUTY)

INTAKE AIR SYSTEM, CHECK FOR DAMAGE OR ALTERED, COPPER GASKET IN GOOD CONDITION, INTAKE FLAME ARRESTER CLEAN, NO EXCESSIVE OPENINGS .018 INCH FILAMENT TYPE, NO HOLE TYPE DO LIGHT TEST

EXHAUST SYSTEM, CHECK ALL BOLTS AND WASHERS IN PLACE AND TIGHT, ALL GASKETS INSTALLED AND JOINTS TIGHT, EXHAUST SYSTEM FASTENERS IN PLACE AND TIGHT, EXHAUST IN GOOD CONDITION, HOLES PLUGGED, NO CRACKS

CHECK SHUT DOWN, INTAKE VACUUM NOT TO EXCEED 25" OF WATER AT FULL THROTTLE, EXHAUST BACK PRESSURE AT FULL THROTTLE NOT TO EXCEED 34" OF WATER, CHECK FOR AIR SYSTEM LEAKS, SCRUBBER SYSTEM SHUT DOWN LOW WATER, HIGH TEMP. SHUT DOWN, HIGH COOLANT SHUT DOWN, EMERGENCY INTAKE AIR SHUT OFF OPERATIONAL, BRAKES OPERATIONAL SET UP WITH IN 5 SEC. OF SHUT DOWN, ALL COVERS AND GUARDS IN PLACE AND SECURED DOWN,

CHECK FIRE SUPPRESSION SPRAYS CAPPED, HOSED PROTECTED FROM DAMAGE, ACTUATOR PRESSURIZED, AUTOMATIC SYSTEM FUNCTIONAL, FIRE SUPPRESSION ENGINE SHUT DOWN OPERATIONAL, FIRE EXTINGUISHER MOUNTED, DATE AND INSPECTION TAG ATTACHED.

CHECK AUDIBLE WARNING DEVICE, MACHINE FREE OF ACCUMULATIONS, CHECK PARK BRAKE SYSTEM IS OPERATIONAL, CHECK MACHINE CONTROLS FOR PROPER OPERATION, ALL LIGHTS WORK IN BOTH DIRECTIONS, PACKING GLANDS INSTALLED CORRECTLY, PACKING NUTS SECURED WITH LOCKING DEVICE, UNUSED GLANDS SPOT WELDED, CABLES AND CONDUITS ARE FLAME RESISTANT, CABLES AND CONDUITS ARE PROTECTED FROM DAMAGE, EXPLOSION PROOF COMPARTMENTS, NO EXCESS GAPS. IN FLAME PATHS ALL BOLTS ARE TIGHT AND IN GOOD CONDITION, XP AND 2G TAGS ARE ON, ELECTRICAL SYSTEM IN GOOD CONDITION

**PERMISSIBILITY MUST BE SIGNED AND DATED**

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
					LA
2/2	GEN MINE	JEFFREY DUSTER #13	005		
	GEN MINE	STEAM CLEANER	005		
	GEN MINE	DIESEL GATOR #15	005		
2/2	GEN MINE	#10 BUCKIN WILLY	tail tight out	repaired	LA

NOTE'S \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

LIST ALL ELECTRICAL HAND TOOL'S

DATE	TOOL	CONDITION	ACTION TAKEN	INITIAL'S

VEHICLE	CONDITIONS AND COMMENTS			WEEK OF
	SAFE TO OPERATE	EMMISSIONS & FIRE SUPP.	DEFECT OR CONDITION	CORRECTIVE ACTION
#1-975	OK	OK		
#4-975	OK			
#5-GEHL	OK			
#6-GEHL	005			
#7-GEHL	gone			
#4-4110	005			
#1 TERRA PRO	005			

**WEEKLY H.D. & PERMISSIBLE VEHICLE CHECK**

PERMISSIBILITY WEEKLY DATE ENDING 2-2-07

28 January 2007

BLAIN FILLMORE HUGH ARRIOTTI

# 2 AIR# 1 & # 2 DIESEL WELDERS  
COMPRESSOR,  
BANANA DUSTER, BUCKIN WILLY,  
# 5 SLINGER DUSTER #5 #6 #7 GEHL  
TERRA PRO #1 #4 975

SIGNED

Signature

DATE

2-2-07

2MSHA04761

INSPECTION OF NON-PERMISSIBLE DIESEL EQUIPMENT  
(HEAVY AND LIGHT DUTY)

FIRE PROTECTION, FIRE EXTINGUISHER FREE OF DEFECTS, INSPECTION TAG ON AND DATED, FIRE SUPPRESSION SYSTEM IS IN GOOD CONDITION AND OPERATIONAL, CAPS ARE ON NOZZLES, NOZZLES LOCATION IS CORRECT, ALL COMPONENTS ARE MOUNTED SECURELY,

SAFETY SHUT DOWN SYSTEMS ARE OPERATIONAL, FUEL SHUT OFF VALVES IN GOOD CONDITION AND LOCATION IS CORRECT,

EQUIPMENT IS FREE OF OIL, COAL, FUEL ACCUMULATIONS, STARTER FLUID IS IN PROPER CONTAINER,

FUEL SYSTEM, CHECK FOR FUEL LEAKS, SELF CLOSING FUEL CAP IS WORKING PROPERLY, HIGH PRESSURE FUEL LINES GUARDED OR COVERED PROPERLY, FUEL LINES PROTECTED FROM DAMAGE, FUEL TANK GUARD IN PLACE

ELECTRICAL SYSTEM, CHECK FOR PROPER FUSE SIZE, CORRECT TYPE OF FUSE, BATTERY COVERS IN PLACE, WIRING OF PROPER SIZE, MAIN DISCONNECT WORKING PROPERLY, WIRING BUSHED THROUGH METAL WALLS, WIRING SECURED DOWN, CHECK AUDIBLE WARNING DEVICE WORKING CORRECTLY, CHECK NEUTRAL START SWITCH, ALL BARE ELECTRICAL TERMINALS ARE INSULATED, ALL REQUIRED LIGHTS ARE WORKING, CHECK FUEL LINE ARE SEPARATED FROM ELECTRICAL WIRING

CHECK FOR CORRECT MSHA APPROVAL TAG ON ENGINE, ALL GLASS IN GOOD CONDITION, OPERATIONAL CONTROLS WORKING PROPERLY, SPARK ARRESTER INTACT, MACHINE PARKING BRAKE AND SERVICE BRAKES WORKING PROPERLY, EMERGENCY STOP PANIC BARS CORRECTLY IN GAGE BRAKING SYSTEM AND STOP MACHINE, WITHIN 5 SECONDS OF ENGINE SHUT DOWN (HEAVY DUTY ONLY)

## INSPECTION OF PERMISSIBLE DIESEL EQUIPMENT (HEAVY DUTY)

INTAKE AIR SYSTEM, CHECK FOR DAMAGE OR ALTERED, COPPER GASKET IN GOOD CONDITION, INTAKE FLAME ARRESTER CLEAN, NO EXCESSIVE OPENINGS .018 INCH FILAMENT TYPE, NO HOLE TYPE DO LIGHT TEST

EXHAUST SYSTEM, CHECK ALL BOLTS AND WASHERS IN PLACE AND TIGHT, ALL GASKETS INSTALLED AND JOINTS TIGHT, EXHAUST SYSTEM FASTENERS IN PLACE AND TIGHT, EXHAUST IN GOOD CONDITION, HOLES PLUGGED, NO CRACKS

CHECK SHUT DOWN, INTAKE VACUUM NOT TO EXCEED 25" OF WATER AT FULL THROTTLE, EXHAUST BACK PRESSURE AT FULL THROTTLE NOT TO EXCEED 34" OF WATER, CHECK FOR AIR SYSTEM LEAKS, SCRUBBER SYSTEM SHUT DOWN LOW WATER, HIGH TEMP. SHUT DOWN, HIGH COOLANT SHUT DOWN, EMERGENCY INTAKE AIR SHUT OFF OPERATIONAL, BRAKES OPERATIONAL SET UP WITH IN 5 SEC. OF SHUT DOWN, ALL COVERS AND GUARDS IN PLACE AND SECURED DOWN,

CHECK FIRE SUPPRESSION SPRAYS CAPPED, HOSED PROTECTED FROM DAMAGE, ACTUATOR PRESSURIZED, AUTOMATIC SYSTEM FUNCTIONAL, FIRE SUPPRESSION ENGINE SHUT DOWN OPERATIONAL, FIRE EXTINGUISHER MOUNTED, DATE AND INSPECTION TAG ATTACHED.

CHECK AUDIBLE WARNING DEVICE, MACHINE FREE OF ACCUMULATIONS, CHECK PARK BRAKE SYSTEM IS OPERATIONAL, CHECK MACHINE CONTROLS FOR PROPER OPERATION, ALL LIGHTS WORK IN BOTH DIRECTIONS, PACKING GLANDS INSTALLED CORRECTLY, PACKING NUTS SECURED WITH LOCKING DEVICE, UNUSED GLANDS SPOT WELDED, CABLES AND CONDUITS ARE FLAME RESISTANT, CABLES AND CONDUITS ARE PROTECTED FROM DAMAGE, EXPLOSION PROOF COMPARTMENTS, NO EXCESS GAPS. IN FLAME PATHS ALL BOLTS ARE TIGHT AND IN GOOD CONDITION, XP AND 2G TAGS ARE ON, ELECTRICAL SYSTEM IN GOOD CONDITION

PERMISSIBILITY MUST BE SIGNED AND DATED

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
7/2	GEN MINE	BANANA DUSTER	OK		JK
	GEN MINE	#2 TERRA PRO	OK	Tagged	J
	GEN MINE	# 5 SLINGER DUSTER	need work accumulation		JK
	GEN MINE	# 2 AIR COMPRESSOR	<del>OK</del>	Tagged	JK
	GEN MINE	# 2 WELDING TRAILER	OK		
	GEN MINE	#5 GEHL	OK		
	GEN MINE	#6 GEHL	OK Brakes		JK
	GEN MINE	#1 TERRA PRO	OK		
	GEN MINE	#1 975	OK		
	GEN MINE	#4 975	Bad service Brakes	Tagged	JK

NOTE'S

---



---



---

LIST ALL ELECTRICAL HAND TOOL'S

DATE	TOOL	CONDITION	Action TAKEN	INITIAL'S

PERMISSIBILITY weekly date ending 2-2-07

28 January 2007

HUGH ARRIOTTI BLAIN FILLMORE

ISUZU TRUCK'S

Signature

SIGNED

DATE 2-2-07

2MSHA04765

**INSPECTION OF NON-PERMISSIBLE DIESEL EQUIPMENT  
(HEAVY AND LIGHT DUTY)**

FIRE PROTECTION, FIRE EXTINGUISHER FREE OF DEFECTS, INSPECTION TAG ON AND DATED, FIRE SUPPRESSION SYSTEM IS IN GOOD CONDITION AND OPERATIONAL, CAPS ARE ON NOZZLES, NOZZLES LOCATION IS CORRECT, ALL COMPONENTS ARE MOUNTED SECURELY,

SAFETY SHUT DOWN SYSTEMS ARE OPERATIONAL, FUEL SHUT OFF VALVES IN GOOD CONDITION AND LOCATION IS CORRECT,

EQUIPMENT IS FREE OF OIL, COAL, FUEL ACCUMULATIONS, STARTER FLUID IS IN PROPER CONTAINER,

FUEL SYSTEM, CHECK FOR FUEL LEAKS, SELF CLOSING FUEL CAP IS WORKING PROPERLY, HIGH PRESSURE FUEL LINES GUARDED OR COVERED PROPERLY, FUEL LINES PROTECTED FROM DAMAGE, FUEL TANK GUARD IN PLACE

ELECTRICAL SYSTEM, CHECK FOR PROPER FUSE SIZE, CORRECT TYPE OF FUSE, BATTERY COVERS IN PLACE, WIRING OF PROPER SIZE, MAIN DISCONNECT WORKING PROPERLY, WIRING BUSHED THROUGH METAL WALLS, WIRING SECURED DOWN, CHECK AUDIBLE WARNING DEVICE WORKING CORRECTLY, CHECK NEUTRAL START SWITCH, ALL BARE ELECTRICAL TERMINALS ARE INSULATED, ALL REQUIRED LIGHTS ARE WORKING, CHECK THAT FUEL LINES ARE SEPARATED FROM ELECTRICAL WIRING

CHECK FOR CORRECT MSHA APPROVAL TAG ON ENGINE, ALL GLASS IN GOOD CONDITION, OPERATIONAL CONTROLS WORKING PROPERLY, SPARK ARRESTER INTACT, MACHINE PARKING BRAKE AND SERVICE BRAKES WORKING PROPERLY, EMERGENCY STOP PANIC BARS CORRECTLY ENGAGE BRAKING SYSTEM AND STOP MACHINE, WITHIN 5 SECONDS OF ENGINE SHUT DOWN (HEAVY DUTY ONLY)

DATE	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2/2	# 27 ISUZU	accumulators, gauged wires	Done	HA
	# 28 ISUZU	no P/B, accumulators, fix	Tagged	
	# 29 ISUZU	OK Park Brake,	Tagged	
	# 31 ISUZU	gauged wires	Done	HA
	# 32 ISUZU	005	tagged	
	# 36 ISUZU	park brake	Done	HA
	# 46 ISUZU	006	tagged	
	# 47 ISUZU	OK		
	# 2 ISUZU	gone cant find		
	# 3 ISUZU	fan shroud, fix x	Done	
	# 4 ISUZU	OK		
	# 9 ISUZU	OK		
	# 11 ISUZU	front spindle, brakes	Tagged	
	# 12 ISUZU	park Brake	spun	
	# 1 ISUZU	gauged wires, insulated post	Done	
	# 44 ISUZU	fan shroud	repaired	
	# 20 ISUZU	OK		
	# 21 ISUZU	accumulators	tagged	
	# 22 ISUZU	005	tagged	
	# 23 ISUZU	accumulators	tagged	

PERMISSIBILITY

MUST BE SIGNED AND DATED

LIST ALL ELECTRICAL HAND TOOL'S

DATE	TOOL	CONDITION	ACTION TAKEN	INITIAL'S
2/2	1/2" DRILL	OK		HA
2/2	4 1/2" GRINDER	OK		W
2/2	BATTERY CHARGER	OK		HA

PERMISSIBILITY WEEKLY DATE ENDING 2/3/07

28 January 2007

LARRY POWELL SCOTT JONES RYAN MANN ISRAEL PETERSEN

WEEKLY EXAM'S HAVE  
POWER CENTER'S,  
SWITCH GEAR'S  
DISTRIBUTION BOXES  
CAPACITOR BANK

SIGNATURE

SIGNED

DATE

2/2/07

1-29-07

2MSHA04769

## INSPECTION OF PERMISSIBLE ELECTRICAL EQUIPMENT

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARPE EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

COMMENTS:

2MSHA04770

PERMISSIBILITY MUST BE SIGNED AND DATED

CRANDALL MINE

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2/2/07	SURFACE	# 1 TRANS 600 KVA	checked and all ok	None	LP
2/2/07	XC 6 MAIN NO.	# 2 TRANS 600 KVA 950/480	checked and all ok	None	LP
1/29	XC 1 3 <sup>RD</sup> NORTH	# 3 TRANS 225 KVA 480V	none observed		<del>LP</del> DS
2/2/07	XC 4 MAIN WEST	# 4 TRANS 750 KVA 950/480	checked and all ok	None	LP
1/29	XC 40 MAIN WEST	# 5 TRANS 750 KVA 950/480	loose bolts		<del>LP</del> DS
1/29	XC 69 MAIN WEST	# 19 TRANS 1250 KVA 950/480	missing Rock Dust	Replaced	<del>LP</del> DS
2/2/07	XC 29 MAIN WEST	# 8 TRANS 500 KVA 480	checked and all ok	None	LP
1/29	XC 44 MAIN WEST	# 9 TRANS 750 KVA 480	None observed		<del>LP</del> DS
2/2/07	XC 3 SHORT BELT MW	# 27 TRANS 600 KVA 480 6 & 7 BELT DRIVE	checked and all ok	None	LP
	X/C 14 3 <sup>RD</sup> NORTH	# 16 TRANS 1750 KVA 950/480	OOS		
2/2/07	XC 102 #5 BELT	1000 KVA #17	checked and ok	None	LP

NOTE'S

---



---



---



---

2MSHA04771

PERMISSIBILITY MUST BE SIGNED AND DATED  
SOUTH CRANDALL MINE

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
1/29	SO CRANDALL XC#1	#13 BELT DRIVE TRANS #1BELT	Loose Lid Bolts	Tighten	DS
1/29	XC 19 1EAST SOUTH CRANDALL	300 KVA #10	NONE OBSERVED		DS
1/29	SO. CRANDALL BOTTOM OF SLOPE	JOY TRANSFORMER #28	NONE OBSERVED		DS
1/29	SO. CRANDALL XC 6 MAINS	#21 BELT TRANSFORMER #3BELT	Loose L.D Bolts	Tighten	DS
1/29	SO CRANDALL XC 12	2 EAST BELT DRIVE 750 KVA #1TR	NONE OBSERVED		DS
1/29	SO CRANDALL 1 <sup>ST</sup> EAST XC 5	#20 1 <sup>ST</sup> E BELT TRANSFORMER	NONE OBSERVED		DS
1/29	3 <sup>RD</sup> EAST	7200 BELT DRIVE TRANS 750 KVA	NONE OBSERVED		DS
1/29	3 <sup>RD</sup> NORTH XC 5	#14 TRANS # 2 BILT DRIVR	NONE OBSERVED		DS
1/29	SOUTH MAINS X/C 1	#23 TRANS 7200 VOLTS	Cleaned Garbage OFF Trans	Cleaned	DS

NOTE'S

---



---



---

PERMISSIBILITY MUST BE SIGNED AND DATED  
SWITCH GEAR

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2/2/07	XC 4 MAIN WEST	# 2 SWITCH GEAR 7200 VOLT	checked and ok	None	LP
1/29	XC 40 MAIN WEST	# 3 SWITCH GEAR 7200 VOLT	none observed		DS
1/29	XC 88 MAIN WEST	# 4 SWITCH GEAR 7200 VOLT	none observed		DS
2/2/07	XC 24 MAIN WEST	# 7 SWITCH GEAR 7200 VOLT	checked and ok		LP
1/29	XC 69 MAIN WEST	# 8 SWITCH GEAR 7200 VOLT	missing Rock Dust	Replaced	DS
1/29	XC 40 MAIN WEST	CAPACITOR BANK #1	none observed		DS
1/29	XC 6 SOUTH MAIN SOUTH CRANDALL	DUEL 7200V SWITCH GEAR #11 #3DRIVE	none observed		DS
1/29	XC 21 SOUTH CRANDALL	#5 DAUL SWICTH 7200	None observed		DS
1/29	XC 12 SOUTH CRANDALL	#1 SWITCH GEAR 7200 VOLT	none observed		DS

NOTE'S

---



---



---



---

PERMISSIBILITY MUST BE SIGNED AND DATED

DISTRIBUTION BOXES

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2/2/07	XC 8 MAIN NORTH	#DIST BOX #11	checked and ok	None	LP
1/29	XC 40 MAIN WEST	# 8 DIST. BOX	none observed		DS
1/29	XC50 MAIN WEST	#5 DIST. BOX	none observed		DS
1/29	XC26 MAIN WEST	#10 DIST. BOX	none observed		DS
2/2/07	SO CRANDALL XC 0	#2 DIST- BOX	checked and ok	None	LP
1/29	SO CRANDALL BOAR HOLE	#6 DIST- BOX	None Observed		DS
1/27	3 <sup>RD</sup> NORTH X/C 4	#16 D- BOX	none observed		DS
1/29	MW X/C 58	#12 D- BOX	None observed		DS

NOTE'S

---



---



---



---

PERMISSIBILITY WEEKLY DATE ENDING 2-3-07

MAIN WEST SECTION  
JAMESON WARD  
SECTION TRANS #30 HEAT LAMP #6  
MICROWAVE #6 151958 SCOOP & CHARGER

SIGNED  SIGNATURE DATE 2-3-07

## INSPECTION OF NON-PERMISSIBLE ELECTRICAL EQUIPMENT

<p>FIRE PROTECTION, FIRE EXTINGUISHER FOR DEFECTS 250 LBS. ROCK DUST IF NEEDED, FIRE EXTINGUISHER INSPECTION TAG AND DATED, SELF ACTUATING FIRE SUPPRESSIONS ARE OPERATIVE AND WIRED CORRECTLY TO REMOVE POWER FROM EQUIPMENT OR ENGINE SHUT DOWN, NOZZLES ARE PROTECTED AND PROPER LOCATION, HOSE ARE SECURED AND PROTECTED FROM DAMAGE, GAS BOTTLES OR AIR TANKS ARE NOT EXPENDED OUT.</p>
<p>CABLES AND CONDUITS IN GOOD CONDITION, CABLE ENTRANCE GLANDS PROPERLY INSTALLED, ADDITIONAL INSULATION PROVIDED ON ENTRANCE GLAND IF NEEDED, CABLES ARE ENTERED CORRECTLY, MONITOR AND GROUND CONNECTION ARE SEPARATED, BUSHED WERE PASS THROUGH MEDAL WALLS</p>
<p>EQUIPMENT GUARDS ARE IN PLACE AND SECURED, OPENINGS IN ELECTRICAL CONTROLLERS PLUGGED OR COVERED, DOORS TO ELECTRICAL CIRCUITS ARE SECURED SHUT, VISUAL WINDOWS IN GOOD CONDITION, ELECTRICAL CABLES AND CONDUITS ARE PROTECTED FROM DAMAGE, EMERGENCY STOP SWITCHES WORK CORRECTLY, START AND STOP SWITCHES WORK PROPERLY, CHECK EQUIPMENT FOR PROPER OPERATION,</p>
<p>DISCONNECTS ARE IDENTIFIED CORRECTLY, ELECTRICAL PLUG AND RECEPTACLE IDENTIFIED CORRECTLY, RECEPTACLES AND PLUGS IN GOOD CONDITION, CIRCUITS ARE IDENTIFIED, PROVISIONS FOR LOCK OUT OF PLUG AND MACHINE, STRAIN CLAMPS INSTALLED AND WITH ADDITIONAL INSULATION, DUST COVERS FOR RECEPTACLES IN PLACE, GROUND STRAPS ARE HOOKED UP,</p>
<p>POWER CABLE IS HUNG ON INSULATORS, GUARDED WHERE IT CROSSES COMMUNICATION LINES AND HIGH VOLTAGE CABLE, IN GOOD CONDITION</p>
<p>CORRECT PROTECTION PROVIDED, OVERLOAD, SHORT CIRCUIT, GROUND FAULT, UNDER VOLTAGE,</p>
<p>CORRECT INSTANTANEOUS BREAKER SETTING (7 TIMES FLA=LOW 13 TIMES FLA=HIGH) THIS IS FOR POWER CABLES ONLY, 1.25 TIMES FLA= AMPACITES SIZE FOR CABLE</p>
<p>EQUIPMENT FREE OF ACCUMULATIONS, 24" CLEARANCE AROUND ALL SIDES, NO ROOF AND RIB HAZARDS, AREA WELL ROCK DUSTED</p>

## INSPECTION OF PERMISSIBLE ELECTRICAL EQUIPMENT

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARPE EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

DEISEL

2MSHA04777

**PERMISSIBILITY MUST BE SIGNED AND DATED**

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
02	MAIN WEST	SECTION TRANS # 30	Cleaned garbage on top	Cleaned	JW
22	MAIN WEST	HEAT LAMP #6	NONE OBSERVED		JW
22	MAIN WEST	MICROWAVE #6	NONE OBSERVED		JW
2-3	MAIN WEST	17-2 488 SCOOP	Loose entrance glands on machine	Repaired	JW
23	MAIN WEST	488 SCOOP CHARGER	NONE OBSERVED		JW
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
		JAMESON WARD			

LIST ALL ELECTRICAL HAND TOOL'S

DATE	TOOL	CONDITION	ACTION TAKEN	INITIAL'S

NOTE'S \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

PERMISSIBILITY WEEKLY DATE ENDING 2-3-07

28 January 2007

BUDDY MILLS  
3<sup>RD</sup> NORTH

4590MINER # 9 ROOFBOLTER  
# 12919 FEEDER BREAKER  
MICROW #6 44 SHUTTLE CAR  
# 45 SHUTTLE CAR 550519120032  
488 SECTION SCOOP AND CHARGER HEAT LAMP #6

**Signature**

SIGNED \_\_\_\_\_

DATE \_\_\_\_\_

2/3/07

2MSHA04779

## INSPECTION OF PERMISSIBLE ELECTRICAL EQUIPMENT

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARPE EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

COMMENTS:

2MSHA04780

## INSPECTION OF NON-PERMISSIBLE ELECTRICAL EQUIPMENT

FIRE PROTECTION, FIRE EXTINGUISHER FOR DEFECTS 250 LBS. ROCK DUST IF NEEDED, FIRE EXTINGUISHER INSPECTION TAG AND DATED, SELF ACTUATING FIRE SUPPRESSIONS ARE OPERATIVE AND WIRED CORRECTLY TO REMOVE POWER FROM EQUIPMENT OR ENGINE SHUT DOWN, NOZZLES ARE PROTECTED AND PROPER LOCATION, HOSE ARE SECURED AND PROTECTED FROM DAMAGE, GAS BOTTLES OR AIR TANKS ARE NOT EXPENDED OUT.

CABLES AND CONDUITS IN GOOD CONDITION, CABLE ENTRANCE GLANDS PROPERLY INSTALLED, ADDITIONAL INSULATION PROVIDED ON ENTRANCE GLAND IF NEEDED, CABLES ARE ENTERED CORRECTLY, MONITOR AND GROUND CONNECTION ARE SEPARATED, BUSHED WERE PASS THROUGH MEDAL WALLS

EQUIPMENT GUARDS ARE IN PLACE AND SECURED, OPENINGS IN ELECTRICAL CONTROLLERS PLUGGED OR COVERED, DOORS TO ELECTRICAL CIRCUITS ARE SECURED SHUT, VISUAL WINDOWS IN GOOD CONDITION, ELECTRICAL CABLES AND CONDUITS ARE PROTECTED FROM DAMAGE, EMERGENCY STOP SWITCHES WORK CORRECTLY, START AND STOP SWITCHES WORK PROPERLY, CHECK EQUIPMENT FOR PROPER OPERATION,

DISCONNECTS ARE IDENTIFIED CORRECTLY, ELECTRICAL PLUG AND RECEPTACLE IDENTIFIED CORRECTLY, RECEPTACLES AND PLUGS IN GOOD CONDITION, CIRCUITS ARE IDENTIFIED, PROVISIONS FOR LOCK OUT OF PLUG AND MACHINE, STRAIN CLAMPS INSTALLED AND WITH ADDITIONAL INSULATION, DUST COVERS FOR RECEPTACLES IN PLACE, GROUND STRAPS ARE HOOKED UP,

POWER CABLE IS HUNG ON INSULATORS, GUARDED WHERE IT CROSSES COMMUNICATION LINES AND HIGH VOLTAGE CABLE, IN GOOD CONDITION

CORRECT PROTECTION PROVIDED, OVERLOAD, SHORT CIRCUIT, GROUND FAULT, UNDER VOLTAGE,

CORRECT INSTANTANEOUS BREAKER SETTING (7 TIMES FLA=LOW 13 TIMES FLA=HIGH)  
THIS IS FOR POWER CABLES ONLY, 1.25 TIMES FLA= AMPACITES SIZE FOR CABLE

EQUIPMENT FREE OF ACCUMULATIONS, 24" CLEARANCE AROUND ALL SIDES, NO ROOF AND RIB HAZARDS, AREA WELL ROCK DUSTED

PERMISSIBILITY MUST BE SIGNED DATED

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2/3/07	3 <sup>RD</sup> NORTH	4590 MINER	Need To Test Battery Back-up	Tag out	LP
2/3/07	3 <sup>RD</sup> NORTH	#9 ROOF BOLTER	Good		LP
2/2/07	3 <sup>RD</sup> NORTH	#29 TRANSFORMER	checked and all OK		LP
2/3/07	3 <sup>RD</sup> NORTH	FEEDER BREAKER 12191	Good		LP
2/2/07	3 <sup>RD</sup> NORTH	MICROWAVE 5	Good		LP
2/3/07	3 <sup>RD</sup> NORTH	44 shuttle car	Good		LP
2/3/07	3 <sup>RD</sup> NORTH	#45 shuttle car	Good		LP
2/3/07	3 <sup>RD</sup> NORTH	488 SECTION SCOOP #	Good		LP
2/2/07	3 <sup>RD</sup> NORTH	& CHARGER #11	checked and tested Fire supp.	checked switch on Fire supp	LP
	3 <sup>RD</sup> NORTH				
2/2/07	3 <sup>RD</sup> NORTH	HEAT LAMP #7	Good		LP
	3 <sup>RD</sup> NORTH				
	3 <sup>RD</sup> NORTH	4590 MINER	METHANE MONITOR CALIBRATED 2.5% GAS monthly		
	3 <sup>RD</sup> NORTH				

NOTE'S

---



---



---

LIST ALL ELECTRICAL HAND TOOL'S

DATE	TOOL	CONDITION	ACTION TAKEN	INITIAL'S

PERMISSIBILITY WEEKLY DATE ENDING 2-3-07

28 January 2007

BUDDY MILLS

SOUTH CRANDALE 3<sup>RD</sup> EAST

SO. CRANDALL & CRANDALL PHONES, D-BOXES, WELDERS,  
HEAT TAPE BELT SCALES PED SYSTEM PRESSURE WASHER  
# 4 STAMLER FEEDER  
SECTION TRANS, KITCHEN LIGHT & MICROOWAVE  
CAR, CHARGER TRICKLE DUSTER  
UNTRACK & CHARGERS  
BOTH BELT KITCHEN'S, DUSTER @ XC 3 M.W.  
TRICKLE DUSTER XC 8 M. N.

Signature

SIGNED

DATE

2/3/07

2MSHA04783

## INSPECTION OF NON-PERMISSIBLE ELECTRICAL EQUIPMENT

<p>FIRE PROTECTION, FIRE EXTINGUISHER FOR DEFECTS 250 LBS. ROCK DUST IF NEEDED, FIRE EXTINGUISHER INSPECTION TAG AND DATED, SELF ACTUATING FIRE SUPPRESSIONS ARE OPERATIVE AND WIRED CORRECTLY TO REMOVE POWER FROM EQUIPMENT OR ENGINE SHUT DOWN, NOZZLES ARE PROTECTED AND PROPER LOCATION, HOSE ARE SECURED AND PROTECTED FROM DAMAGE, GAS BOTTLES OR AIR TANKS ARE NOT EXPENDED OUT.</p>
<p>CABLES AND CONDUITS IN GOOD CONDITION, CABLE ENTRANCE GLANDS PROPERLY INSTALLED, ADDITIONAL INSULATION PROVIDED ON ENTRANCE GLAND IF NEEDED, CABLES ARE ENTERED CORRECTLY, MONITOR AND GROUND CONNECTION ARE SEPARATED, BUSHED WERE PASS THROUGH MEDAL WALLS</p>
<p>EQUIPMENT GUARDS ARE IN PLACE AND SECURED, OPENINGS IN ELECTRICAL CONTROLLERS PLUGGED OR COVERED, DOORS TO ELECTRICAL CIRCUITS ARE SECURED SHUT, VISUAL WINDOWS IN GOOD CONDITION, ELECTRICAL CABLES AND CONDUITS ARE PROTECTED FROM DAMAGE, EMERGENCY STOP SWITCHES WORK CORRECTLY, START AND STOP SWITCHES WORK PROPERLY, CHECK EQUIPMENT FOR PROPER OPERATION,</p>
<p>DISCONNECTS ARE IDENTIFIED CORRECTLY, ELECTRICAL PLUG AND RECEPTACLE IDENTIFIED CORRECTLY, RECEPTACLES AND PLUGS IN GOOD CONDITION, CIRCUITS ARE IDENTIFIED, PROVISIONS FOR LOCK OUT OF PLUG AND MACHINE, STRAIN CLAMPS INSTALLED AND WITH ADDITIONAL INSULATION, DUST COVERS FOR RECEPTACLES IN PLACE, GROUND STRAPS ARE HOOKED UP,</p>
<p>POWER CABLE IS HUNG ON INSULATORS, GUARDED WHERE IT CROSSES COMMUNICATION LINES AND HIGH VOLTAGE CABLE, IN GOOD CONDITION</p>
<p>CORRECT PROTECTION PROVIDED, OVERLOAD, SHORT CIRCUIT, GROUND FAULT, UNDER VOLTAGE,</p>
<p>CORRECT INSTANTANEOUS BREAKER SETTING (7 TIMES FLA=LOW 13 TIMES FLA=HIGH) THIS IS FOR POWER CABLES ONLY, 1.25 TIMES FLA= AMPACITES SIZE FOR CABLE</p>
<p>EQUIPMENT FREE OF ACCUMULATIONS, 24" CLEARANCE AROUND ALL SIDES, NO ROOF AND RIB HAZARDS, AREA WELL ROCK DUSTED</p>

2MSHA04784

PERMISSIBILITY MUST BE SIGNED DATED

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
	SOUTH CRANDALL				
	SOUTH CRANDALL	# 12853 STAMLER FB	OOS <i>Come</i>		
	SOUTH CRANDALL	SECTION TRANS #18	OOS	<i>Checked Tag</i>	<i>BM</i>
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				
	SOUTH CRANDALL				

NOTE'S

---



---

LIST ALL ELECTRICAL HAND TOOL'S

DATE	TOOL	CONDITION	ACTION TAKEN	INITIAL'S

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
1-28	GEN. MINE	MILLER WELDER #353049	Reg. lead had bad spot in cable.	Repaired cable	ZM
1-28	1 <sup>ST</sup> EAST XC-13	#19 D-BOX	Good	checked fire protection grid, straps, instantaneous & pilot test	ZM
1-28	SO. CRANDALL	PHONE SYSTEM	Good	checked cable entrances, guarding & proper wiring	ZM
1-28	SO. CRANDALL #1 BELT	110 VOLT HEAT TAPE	Good	checked cable entrances, operation, & Brass Tags	ZM
1-28	SOUTH CRANDALL	D BOXES FOR CHARGER #002	Dusty - Dirty	<del>brushed</del> brushed off D-Box	ZM
2/2/07	GEN. MINE	MINE PHONES	Need Guarding on cable. By Trans. section	Put Guarding on cable	LP
1-28	X-C 5 MAIN NORTH	BELT SCALES	Good	checked fire protection cables, conduits, Tags	ZM
1-28	X-C 44 MAIN WEST	PED SYSTEM	Dirty filter	Changed filter	ZM
1-28	X-C 49 MAIN WEST	ELECTRIC PRESSURE WASHER	Good	checked fire protection Tags, nip & cable entrances	ZM

NOTES:

---



---



---



---



---

PERMISSIBILITY MUST

BE SIGNED AND DATED

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
	GEN MINE				
2/3/07	So. MAINS SO. CRANDALL	#1 UNITRAC	Need washed under from motor's	Tag out	LP
1-29	SO. MAINS SO. CRANDALL	UNITRAC CHARGER#1	Good	checked fire protection pilot switches cables & cleaners	BAM
1-28	XC 7 MAIN WEST	HEAT LAMP # 4 0204002588 MICROWAVE	Fire Extinguisher missing Red Tie	Replaced Tie	BAM
1-29	XC 8 MAIN NORTH	TRICKLE DUSTER # 2	Good	Checked fire protection cable entrances, grounding, & Tags	BAM
1-29	GEN. MINE So. Crandall	#2 UNITRAC	Tagged out for deficiencies	checked tag	BAM
2/2/07	GEN. MINE 3 <sup>RD</sup> NORTH	#2 UNITRAC CHARGER	checked and all ok	None	LP
1-28	XC 89 MAIN SO #1 BELT	TRICKLE DUSTER # 4	Good	checked fire protection Flame paths, cable entrances	BAM
1-29	XC 14 SC MAIN	TRICKLE DUSTER # 3	OOS	Checked Tag	BAM
1-29	XC 34 MAIN NORTH	TRICKLE DUSTER # 1	Good	Checked Fire protection Flame paths, fasteners	BAM
1-29	GEN MINE	BOOM TRUCK	Good	checked lights, brakes, Fire, & supp. caps. conduits Shut down & clean area	BAM
1-29	<del>CRANDALL</del> So. Crandall	BATTERY CHARGER <del>for Battery</del>	Dirty - (rusty)	wiped off <del>the</del> charger	BAM
1-28	MAIN WEST	TRICKLE DUSTER <del>6390</del>	Bad splice	<del>cut</del> cut bad splice out & made new one	BAM
1-29	Main West XC 30	Battery Duster	Red Tie on Fire Extinguisher Broken	Replaced Tie	BAM

LIST ALL ELECTRICAL HAND TOOL'S

DATE	TOOL	CONDITION	ACTION TAKEN	INITIAL'S

NOTE'S

---



---



---

PERMISSIBILITY WEEKLY DATE ENDING 02-03-07

28 January 2007

TIM HARPER

MAIN WEST SECTION

4978 MINER,  
# 13-8 FLETCHER BOLTER  
CAIBRATE CH 4 WITH 2.5 GAS

**SIGNATURE**

SIGNED

DATE 02-02-07

2MSHA04789

## INSPECTION OF NON-PERMISSIBLE ELECTRICAL EQUIPMENT

FIRE PROTECTION, FIRE EXTINGUISHER FOR DEFECTS 250 LBS. ROCK DUST IF NEEDED, FIRE EXTINGUISHER INSPECTION TAG AND DATED, SELF ACTUATING FIRE SUPPRESSIONS ARE OPERATIVE AND WIRED CORRECTLY TO REMOVE POWER FROM EQUIPMENT OR ENGINE SHUT DOWN, NOZZLES ARE PROTECTED AND PROPER LOCATION, HOSE ARE SECURED AND PROTECTED FROM DAMAGE, GAS BOTTLES OR AIR TANKS ARE NOT EXPENDED OUT.

CABLES AND CONDUITS IN GOOD CONDITION, CABLE ENTRANCE GLANDS PROPERLY INSTALLED, ADDITIONAL INSULATION PROVIDED ON ENTRANCE GLAND IF NEEDED, CABLES ARE ENTERED CORRECTLY, MONITOR AND GROUND CONNECTION ARE SEPARATED, BUSHED WERE PASS THROUGH MEDAL WALLS

EQUIPMENT GUARDS ARE IN PLACE AND SECURED, OPENINGS IN ELECTRICAL CONTROLLERS PLUGGED OR COVERED, DOORS TO ELECTRICAL CIRCUITS ARE SECURED SHUT, VISUAL WINDOWS IN GOOD CONDITION, ELECTRICAL CABLES AND CONDUITS ARE PROTECTED FROM DAMAGE, EMERGENCY STOP SWITCHES WORK CORRECTLY, START AND STOP SWITCHES WORK PROPERLY, CHECK EQUIPMENT FOR PROPER OPERATION,

DISCONNECTS ARE IDENTIFIED CORRECTLY, ELECTRICAL PLUG AND RECEPTACLE IDENTIFIED CORRECTLY, RECEPTACLES AND PLUGS IN GOOD CONDITION, CIRCUITS ARE IDENTIFIED, PROVISIONS FOR LOCK OUT OF PLUG AND MACHINE, STRAIN CLAMPS INSTALLED AND WITH ADDITIONAL INSULATION, DUST COVERS FOR RECEPTACLES IN PLACE, GROUND STRAPS ARE HOOKED UP,

POWER CABLE IS HUNG ON INSULATORS, GUARDED WHERE IT CROSSES COMMUNICATION LINES AND HIGH VOLTAGE CABLE, IN GOOD CONDITION

CORRECT PROTECTION PROVIDED, OVERLOAD, SHORT CIRCUIT, GROUND FAULT, UNDER VOLTAGE,

CORRECT INSTANTANEOUS BREAKER SETTING (7 TIMES FLA=LOW 13 TIMES FLA=HIGH)  
THIS IS FOR POWER CABLES ONLY, 1.25 TIMES FLA= AMPACITES SIZE FOR CABLE

EQUIPMENT FREE OF ACCUMULATIONS, 24" CLEARANCE AROUND ALL SIDES, NO ROOF AND RIB HAZARDS, AREA WELL ROCK DUSTED

2MSHA04790

## INSPECTION OF PERMISSIBLE ELECTRICAL EQUIPMENT

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARPE EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

COMMENTS:

2MSHA04791

PERMISSIBILITY MUST BE SIGNED DATED

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2-2-07	MAIN WEST	#3 ROOF BOLTER	Accumulation of trash	Clean and wash down	[Signature]
2-2-07	MAIN WEST	4978 MINER	Accumulation of oil & coal	fixed leaking hose, washdown	[Signature]
	MAIN WEST				
	MAIN WEST	4978 MINER CAL 2.5 GAS			
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
		TIM HARPER			

NOTE'S 4978 miner inspection of flame paths, lights, packing glands, sprays, fire suppression, Battery back up, cable and conduits. is all good at time of inspection. #3 Roof Bolter inspected flame paths, lights, conduit, fire suppression, packing glands, cable, hoses, tape switches, is all good at time of inspection, washdown required due to accumulations.

LIST ALL ELECTRICAL HAND TOOLS

DATE	TOOL	CONDITION	ACTION TAKEN	INITIAL'S

2MSHA04792

PERMISSIBILITY WEEKLY DATE ENDING 210

5 February 2007

FOSTER MCAURTHUR

ALL PORTABLE AND PERMANENT PUMP'S

SIGNED **Signature** \_\_\_\_\_ DATE 2-8-07

2MSHA04793

## INSPECTION OF NON-PERMISSIBLE ELECTRICAL EQUIPMENT

<p>FIRE PROTECTION, FIRE EXTINGUISHER FOR DEFECTS 250 LBS. ROCK DUST IF NEEDED, FIRE EXTINGUISHER INSPECTION TAG AND DATED, SELF ACTUATING FIRE SUPPRESSIONS ARE OPERATIVE AND WIRED CORRECTLY TO REMOVE POWER FROM EQUIPMENT OR ENGINE SHUT DOWN, NOZZLES ARE PROTECTED AND PROPER LOCATION, HOSE ARE SECURED AND PROTECTED FROM DAMAGE, GAS BOTTLES OR AIR TANKS ARE NOT EXPENDED OUT.</p>
<p>CABLES AND CONDUITS IN GOOD CONDITION, CABLE ENTRANCE GLANDS PROPERLY INSTALLED, ADDITIONAL INSULATION PROVIDED ON ENTRANCE GLAND IF NEEDED, CABLES ARE ENTERED CORRECTLY, MONITOR AND GROUND CONNECTION ARE SEPARATED, BUSHED WERE PASS THROUGH MEDAL WALLS</p>
<p>EQUIPMENT GUARDS ARE IN PLACE AND SECURED, OPENINGS IN ELECTRICAL CONTROLLERS PLUGGED OR COVERED, DOORS TO ELECTRICAL CIRCUITS ARE SECURED SHUT, VISUAL WINDOWS IN GOOD CONDITION, ELECTRICAL CABLES AND CONDUITS ARE PROTECTED FROM DAMAGE, EMERGENCY STOP SWITCHES WORK CORRECTLY, START AND STOP SWITCHES WORK PROPERLY, CHECK EQUIPMENT FOR PROPER OPERATION,</p>
<p>DISCONNECTS ARE IDENTIFIED CORRECTLY, ELECTRICAL PLUG AND RECEPTACLE IDENTIFIED CORRECTLY, RECEPTACLES AND PLUGS IN GOOD CONDITION, CIRCUITS ARE IDENTIFIED, PROVISIONS FOR LOCK OUT OF PLUG AND MACHINE, STRAIN CLAMPS INSTALLED AND WITH ADDITIONAL INSULATION, DUST COVERS FOR RECEPTACLES IN PLACE, GROUND STRAPS ARE HOOKED UP,</p>
<p>POWER CABLE IS HUNG ON INSULATORS, GUARDED WHERE IT CROSSES COMMUNICATION LINES AND HIGH VOLTAGE CABLE, IN GOOD CONDITION</p>
<p>CORRECT PROTECTION PROVIDED, OVERLOAD, SHORT CIRCUIT, GROUND FAULT, UNDER VOLTAGE,</p>
<p>CORRECT INSTANTANEOUS BREAKER SETTING (7 TIMES FLA=LOW 13 TIMES FLA=HIGH) THIS IS FOR POWER CABLES ONLY, 1.25 TIMES FLA= AMPACITES SIZE FOR CABLE</p>
<p>EQUIPMENT FREE OF ACCUMULATIONS, 24" CLEARANCE AROUND ALL SIDES, NO ROOF AND RIB HAZARDS, AREA WELL ROCK DUSTED</p>

## INSPECTION OF PERMISSIBLE ELECTRICAL EQUIPMENT

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARP EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

COMMENTS:

---

---

---

---

**PERMISSIBILITY MUST BE SIGNED AND DATED**

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2-8-07	XC15 RETURN	5HP PUMP P 5-36	OK		FM
2-7-07	XC39 MW RETURN	6.4 HP PUMP P 6.4 35	OK		FM
2-7-07	XC 39 MW RETURN	13HP PUMP P13 - 34	OK		FM
2-7-07	XC 44 M.W. RETURN	6.4 KW PUMP P6.4 33	OK		FM
2-7-07	XC 47 M.W. RETURN	6.4KW PUMP P 6.4-30	OK		FM
	1 <sup>ST</sup> EAST BLEEDER PUMPS	2 G PUMP SYSTEM			
2-6-07	XC 52 1 <sup>ST</sup> EAST	13 HP PUMP SC #18	OK		FM
2-6-07	XC5 BLEEDER	13 HP PUMP	OK		FM
2-6-07	XC35 2EAST	13HP PUMP	OK		FM
	2 <sup>ND</sup> EAST	2 G PUMP SYSTEM			
2-6-07	XC33 2NDEAST	5HP PUMP	OK		FM
2-6-07	XC 20	D BOXES # 7 & RED OUT	OK		FM
2-6-07	XC 23 BLEEDER	5HP PUMP P# 23	OK		FM
2-6-07	XC-52 1 <sup>ST</sup> EAST	13 HP P# 52	OK		FM

NOTE'S \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**PERMISSIBILITY MUST BE SIGNED AND DATED**

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
	1 <sup>ST</sup> WEST & 2 WEST BLEEDER	2G PUMP SYSTEM			
2-5-07	XC 12 1 <sup>ST</sup> WEST	2G P 13 -1	OK		FM
2-5-07	XC 1 BLEEDER 1 <sup>ST</sup> WEST	2G P13 -2	OK		FM
2-5-07	XC 7 2NDWEST BLEEDER	2G P 13-3	+ OK		FM
2-5-07	DOG LEG 2 <sup>ND</sup> WEST BLEEDER	2G P13-4	OK		FM
2-5-07	3 <sup>RD</sup> LEFT	2G P 5-1	OK		FM
2-5-07	REGULATOR 3 1/4	2G P 5-2	OK		FM
2-5-07	3 1/2 CORNER	2G P 13-5	OK		FM
2-5-07	3 1/2 CORNER	2G P 28 -1	OK		FM
2-5-07	3 1/2 BLEEDER	2G 5-3	OK		FM
2-5-07	3 1/4 XC2	2G 5-4	OK		FM
2-5-07	3 1/4 XC 5	2G 5-5	OK		FM
2-5-07	3 1/4 XC 10	2G 5-6	OK		FM
2-5-07	3 1/2 CORNER	2G 30hp pump	OK		FM
2-5-07	3 1/2 CORNER	2G30hp pump	OK		FM

PERMISSIBILITY WEEKLY DATE ENDING 2-10-07

5 February 2007

RUSS LARSON  
CRANDALL MINE CONSPEC SYSTEM  
SOUTH CRANDALL MINE CONSPEC SYSTEM

Signature

SIGNED

DATE

2-10-07

2MSHA04798

PERMISSABILITY MUST BE SIGNED AND DATED

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARPE EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

COMMENTS:

2MSHA04799

PERMISSIBILITY MUST BE SIGNED AND DATED

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2-10-07	CRANDALL MINE	CONSPEX SYSTEM	OK		RC
2-10-07	SO. CRANDALL MINE	CONSPEX SYSTEM	OK		RC
<i>Section alarm functions test.</i>					
2-6-07	Main West		OK		RC

NOTE'S \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

LIST ALL ELECTRICAL HAND TOOL'S

DATE	TOOL	CONDITION	ACTION TAKEN	INITIAL'S
2-10-07	Battery Drill & Taps	OK		RC

PERMISSIBILITY WEEKLY DATE ENDING 2-10-07

5 February 2007

JAMESON WORD

MAIN WEST SECTION

4978 MINER,  
# 13-8 FLETCHER BOLTER  
CAIBRATE CH 4 WITH 2.5 GAS

**Signature**

SIGNED

DATE

2-9-07

2MSHA04801

## INSPECTION OF NON-PERMISSIBLE ELECTRICAL EQUIPMENT

FIRE PROTECTION, FIRE EXTINGUISHER FOR DEFECTS 250 LBS. ROCK DUST IF NEEDED, FIRE EXTINGUISHER INSPECTION TAG AND DATED, SELF ACTUATING FIRE SUPPRESSIONS ARE OPERATIVE AND WIRED CORRECTLY TO REMOVE POWER FROM EQUIPMENT OR ENGINE SHUT DOWN, NOZZLES ARE PROTECTED AND PROPER LOCATION, HOSE ARE SECURED AND PROTECTED FROM DAMAGE, GAS BOTTLES OR AIR TANKS ARE NOT EXPENDED OUT.

CABLES AND CONDUITS IN GOOD CONDITION, CABLE ENTRANCE GLANDS PROPERLY INSTALLED, ADDITIONAL INSULATION PROVIDED ON ENTRANCE GLAND IF NEEDED, CABLES ARE ENTERED CORRECTLY, MONITOR AND GROUND CONNECTION ARE SEPARATED, BUSHED WERE PASS THROUGH MEDAL WALLS

EQUIPMENT GUARDS ARE IN PLACE AND SECURED, OPENINGS IN ELECTRICAL CONTROLLERS PLUGGED OR COVERED, DOORS TO ELECTRICAL CIRCUITS ARE SECURED SHUT, VISUAL WINDOWS IN GOOD CONDITION, ELECTRICAL CABLES AND CONDUITS ARE PROTECTED FROM DAMAGE, EMERGENCY STOP SWITCHES WORK CORRECTLY, START AND STOP SWITCHES WORK PROPERLY, CHECK EQUIPMENT FOR PROPER OPERATION,

DISCONNECTS ARE IDENTIFIED CORRECTLY, ELECTRICAL PLUG AND RECEPTACLE IDENTIFIED CORRECTLY, RECEPTACLES AND PLUGS IN GOOD CONDITION, CIRCUITS ARE IDENTIFIED, PROVISIONS FOR LOCK OUT OF PLUG AND MACHINE, STRAIN CLAMPS INSTALLED AND WITH ADDITIONAL INSULATION, DUST COVERS FOR RECEPTACLES IN PLACE, GROUND STRAPS ARE HOOKED UP,

POWER CABLE IS HUNG ON INSULATORS, GUARDED WHERE IT CROSSES COMMUNICATION LINES AND HIGH VOLTAGE CABLE, IN GOOD CONDITION

CORRECT PROTECTION PROVIDED, OVERLOAD, SHORT CIRCUIT, GROUND FAULT, UNDER VOLTAGE,

CORRECT INSTANTANEOUS BREAKER SETTING (7 TIMES FLA=LOW 13 TIMES FLA=HIGH)  
THIS IS FOR POWER CABLES ONLY, 1.25 TIMES FLA= AMPACITES SIZE FOR CABLE

EQUIPMENT FREE OF ACCUMULATIONS, 24" CLEARANCE AROUND ALL SIDES, NO ROOF AND RIB HAZARDS, AREA WELL ROCK DUSTED

2MSHA04802

## INSPECTION OF PERMISSIBLE ELECTRICAL EQUIPMENT

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARPE EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

COMMENTS:

2MSHA04803

PERMISSIBILITY MUST BE SIGNED DATED

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2/9	MAIN WEST	#3 ROOF BOLTER	LOOSE PACKING GLAND ON AREA LIGHT	TIGHTENED GLAND	J
2/7	MAIN WEST	4978 MINER	DAMAGED PACKING GLAND ON LIGHT	RE-ENTERED LIGHT	J
	MAIN WEST				
	MAIN WEST	4978 MINER CAL 2.5 GAS			
2-5	MAIN WEST	SW.P #A	NONE OBSERVED		
2-5	MAIN WEST	6-5 Starcor	NONE OBSERVED		
2-5	MAIN WEST	#7 D-BOX	NONE OBSERVED		
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
		JAMESON WORD			

NOTE'S \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

LIST ALL ELECTRICAL HAND TOOL'S

DATE	TOOL	CONDITION	ACTION TAKEN	INITIAL'S

PERMISSIBILITY WEEKLY DATE ENDING 2-10-07

MAIN WEST SECTION  
JASON FURRH  
#13269 FEEDER BREAKER  
12-6SC 12-8 SC 12-9 S/C 12-11 S/C

Signature

SIGNED

DATE 2-9-07

PERMISSABILITY MUST BE SIGNED AND DATED

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARPE EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

COMMENTS:

2MSHA04806

PERMISSIBILITY MUST BE SIGNED AND DATED

DATE	LOCATION	EQUIPMENT	CONDITION	ACTION TAKEN	INITIAL'S
2/8	MAIN WEST	FEEDER BREAKER 13269	ACCUMULATION COAL / GREASE	WASHED	J
2/9	MAIN WEST	12-6 SC	ACCUMULATION WHEEL UNITS	TAGGED	J
2/7	MAIN WEST	12-8 SC	MISSING BOLTS HYD. PUMP MOTOR	REPLACED WITH NEW ONES	J
2/9	MAIN WEST	12-11 SC	CONDUIT CAME OUT OF ENT. GLAND	RE-ENTERED CONDUIT	J
2/9	MAIN WEST	12-9 S/C	OOS DBT	OOS	J
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
	MAIN WEST				
		JASON FURR			

NOTE'S

---



---

LIST ALL ELECTRICAL HAND TOOL'S

DATE	TOOL	CONDITION	ACTION TAKEN	INITIAL'S

PERMISSIBILITY WEEKLY DATE ENDING 2-10-07

MAIN WEST SECTION

DARWON STANSFIELD

SECTION TRANS #30 HEAT LAMP #6

MICROWAVE #6 151958 SCOOP & CHARGER

SIGNED

**Signature**

DATE

2-9-07

2MSHA04808

## INSPECTION OF PERMISSIBLE ELECTRICAL EQUIPMENT

TRAILING CABLE SHORT CIRCUIT PROTECTION SETTING FOR SIZE OF CABLE, APPROVED LENGTH, SIZE OF CABLE, CONDITION OF CABLE, CONDITION OF SPLICES, I.D. TAG ON NIP, STRAIN CLAMPS INSTALLED, GROUND AND MONITOR CONNECTION SEPARATE IN REEL AND MAIN CONTROLLER
CABLE REELS SHEAVES TURN FREELY, SHARPE EDGES ON FLANGES, REEL IS INSULATED, PROPER REEL TENSION, STRAIN CLAMP HAS EXTRA INSULATION, STRAIN CLAMP INSTALLED PROPERLY
CONTROLLERS, MOTORS, EXPLOSION PROOF COMPARTMENTS, FOR EXCESSIVE OPENINGS OF FLAME PATH, DIAMETRICAL CLEARANCE OF SHAFTS, MISSING BOLTS, LOCK WASHERS, FLAT WASHERS, GENERAL CONDITION OF COMPARTMENT
CABLE PACKING GLANDS, CHECK FOR PROPER PACKING, MIN. 1/8" BETWEEN PACKING GLAND AND STUFFING BOX, WIRE SEAL OR LOCKING DEVICE INSTALLED TO SECURE AGAINST LOOSENING, CONDUIT PROPERLY CLAMPED, GLAND NOT DAMAGED
INTERMACHINE CABLES HAVE NO SPLICES, CONDUITS ARE IN GOOD CONDITION, MARKED FLAME RESISTANCE, PROPERLY CLAMPED ON GLAND, SEPARATE FROM HYD. HOSES, AND PROTECTED FROM DAMAGE
CHECK LIGHTS FOR OPERATION, LIGHTS SECURED DOWN, LIGHT LENS NOT DEFECTIVE, LENS SECURED BY LOCK DEVICE LIGHTS IN GOOD CONDITION
CHECK FOR PROPER OPERATION OF CIRCUIT BREAKERS, OVERLOAD PROTECTION, PROPER OPERATION OF ELECTRICAL CIRCUITS, EMERGENCY STOP CONTROLS, SWITCH OPERATIONS
CHECK FOR PROPER 2G APPROVAL PLATE, X/P TAGS ON EXPLOSION PROOF ENCLOSURES, CAB CERTIFICATION TAG
CHECK FOR PROPER OPERATION OF PARKING BRAKES, SERVICE BRAKE OPERATION
CHECK FOR OIL, COAL, GREASE ACCUMULATIONS ON MACHINE, PROPER GUARDING OF ROTATING PARTS TO PREVENT PERSONAL INJURY
CHECK BATTERY COVERS ARE SECURED, BATTERIES COVERS ARE INSULATED, RECEPTICALS ARE IN GOOD CONDITION, LOCKING DEVICE IS INSTALLED TO PREVENT NIP FROM LOSING, CELL WATER LEVELS ARE CORRECT, CELL CAPS IN PLACE
CHECK FIRE SUPPRESSION FOR PROPER SPRAYS, SPRAY LOCATION, SPRAYS HAVE PROTECTIVE CAPS, (BATTERY BACKUP IS OPERATIONAL) ACTUATION BUTTON NOT SEIZED, CO2 BOTTLES NOT EXPENDED OUT, BOTTLES NOT DAMAGE, GENERAL CONDITION OF SYSTEM, FIRE EXTINGUISHER IN GOOD CONDITION, INSPECTION TAG ATTACHED AND EXTINGUISHER IS MOUNTED SECURELY.

DEISEL

2MSHA04809

