**INTRODUCTION, AGENDA AND SAFETY ORIENTATION (20 MINUTES)**

1. MINE SITE SAFETY INDUCTION AND IMPORTANT SAFETY INFORMATION
2. AGENDA FOR THE DAY
3. BRIEF INTRODUCTION TO HOLCIM AND PRESENTERS

**MINNESOTA GEOLOGY & MINING (30 MINUTES):**

**(KEN COATS – GEOLOGIC SERVICES MANAGER)**

1. DISCUSS EDUCATION, JOB TITLE AND RESPONSIBILITIES, FAVORITE PART OF JOB
2. GLACIERS – TIMING, QUALITY ECT
3. LIMESTONE FORMATIONS – TIMING, QUALITY ECT
4. COMMON TYPES OF MN MINING
	1. FRAC SAND – MN LOCATIONS AND END USE
	2. CONSTRUCTION AGGREGATES – DISCUSSED IN NEXT SECTION
	3. IRON ORE MINING – IRON RANGE
	4. PEAT MINING
5. SHOW MNDOT MAP OF MINES IN STATE
6. ZOOM INTO TWIN CITIES AND SHOW MINES
7. DISCUSS GEOLOGY OF NELSON AND LARSON
	1. DISCUSS TYPES OF ROCKS IN NELSON SAND AND GRAVEL (I.E. GRANITE, GNIESS, ECT)
8. STATE MINERAL

**CONSTRUCTION AGGREGATES (70 MINUTES):**

**(TOM SCHMIT – GENERAL MANAGER)**

1. DISCUSS EDUCATION, JOB TITLE AND RESPONSIBILITIES, FAVORITE PART OF JOB
2. INTRO TO AGGREGATES
	1. HOW ARE CONSTRUCTION AGGREGATS USED
	2. THE ROLL AGGREGATES PLAY IN YOUR DAY TO DAY LIFE
	3. CHALLENGES FACING AGGREGATE PRODUCERS
3. THE MINING PROCESS
	1. TYPES OF MINING (SAND AND GRAVEL, HARD ROCK, ABOVE GROUND BELOW GROUND)
	2. EXTRACTION, CRUSHING, SIZING, WASHING, STOCKPILING, LOAD OUT
	3. DRONE VIDEO OF NELSON’S PROCESS
	4. THE RIVER SYSTEM AND WHY NELSON AND LARSON ARE UNIQUE
4. RECLAMATION
	1. THE IMPORTANCE OF RECLAMATION – “NO-TRACE” SCOUTING PRINCIPLE
	2. LAKEVILLE EAST EXAMPLE
	3. OAK SAVANNA RESTORATION WORK
5. STAKE HOLDER RELATIONS
	1. CONCERNS WITH MINING (TRAFFIC, NOISE, DUST, ECT, VIBRATIONS BLASTING)
	2. MEASURES HOLCIM TAKES TO BE A GOOD NEIGHBOR

**SAFETY (30 MINUTES)**

**(ANGIE NICKEL – REGIONAL HEALTH AND SAFETY MANAGER)**

1. DISCUSS EDUCATION, JOB TITLE AND RESPONSIBILITIES, FAVORITE PART OF JOB
2. MSHA AND MSHA REGULATIONS
3. HOLCIM MANDATORY PPE
4. OTHER JOB SPECIFIC PPE (I.E. FACE SHEILD, WELDING LEATHERS, OTHERS)
5. WORKING AT HEIGHTS – DEFINITION, DANGERS AND SAFE PRACTICES
6. LOTO - DEFINITION, DANGERS AND SAFE PRACTICES
7. MINE SITES – “STAY OUT STAY ALIVE” PROGRAM AND DANGERS OF MINE SITES
	1. SURGE TUNNELS, AGATE PICKING, SHOOTING ECT.

**MOBILE EQUIPMENT (30 MINUTES)**

**(STEVE HULTGREN – MECHANIC)**

1. DISCUSS EDUCATION, JOB TITLE AND RESPONSIBILITIES, FAVORITE PART OF JOB
2. PRETRIP INSPECTION (GREASE POINTS, TIRES, CUTTING EDGES, LIGHTS ECT)
3. MAINTENANCE SERVICE INTERVALS
4. TROUBLE SHOOTING MOBILE EQUIPMENT
5. THE NUMBERS (COST, FUEL BURN, HOURS RAN, ECT)
6. SIT IN THE SEAT OF A LARGE LOADER

**ENVIRONMENTAL (30 MINUTES)**

**(PATTY BESTLER – REGIONAL MANAGER, ENVIRONMENT & LAND SERVICES)**

1. DISCUSS EDUCATION, JOB TITLE AND RESPONSIBILITIES, FAVORITE PART OF JOB
2. PERMITS AND INSPECTIONS
	1. AIR, STORM WATER, WASTE
3. LAND USE PERMITS
	1. HOURS, SETBACKS, RECLAMATION, ECT
4. ENVIRONMENTAL REVIEW PROCESS TO START A NEW MINE
5. HOLCIM GREEN INITIATIVES
	1. RECYCLED BASE
	2. RECYCLED WATER
	3. LOW CO2 CONCRETE AND CEMENT

**TOUR NELSON LAKE (30 MINUTES)**

**(TRAVIS BAUER – MINER 20+ YEARS)**

1. DISCUSS EDUCATION, JOB TITLE AND RESPONSIBILITIES, FAVORITE PART OF JOB
2. SEE CLAMSHELL DREDGE WORKING
3. SEE SUCTION DREDGE WORKING
4. SEE RECLAMATION IN ACTION
5. DISCUSS SURGE TUNNELS (OPERATIONAL BENEFITS – SAFETY DANGERS)

**TOUR LARSON QUARRY (60 MINUTES) – INCLUDES ROUND TRIP BUS RIDE FROM NELSON TO LARSON**

**(TYLER OTTESON – PLANT MANAGER)**

1. DISCUSS EDUCATION, JOB TITLE AND RESPONSIBILITIES, FAVORITE PART OF JOB
2. SEE OAK SAVANNA RESTORATION PROJECT
3. SEE QUARRY PIT FLOOR
4. DISCUSS QUARRY DEWATERING AND RECLAMATION