

NGS, BOR WRO <ngs@usbr.gov>

# Draglines operating beyond their design limits

1 message

Vincent Yazzie Sun, May 21, 2017 at 10:42 AM Reply-To: Vincent Yazzie To: "ngs@usbr.gov" <ngs@usbr.gov> Cc: Ed Becenti , Nicole Horseherder , Percy Deal , Carol Davis , Jihan Gearon Vernon Masayesva David Palumbo <dpalumbo@usbr.gov> , Ben Nuvamsa

May 21, 2017

Vincent Yazzie

Flagstaff, AZ 86004

Bureau of Reclamation (BOR)

Dear BOR,

NGS fuel supply being mined beyond the design limits of the draglines. Not safe. Kayenta Mine Permit application needs to be revoked immediately.

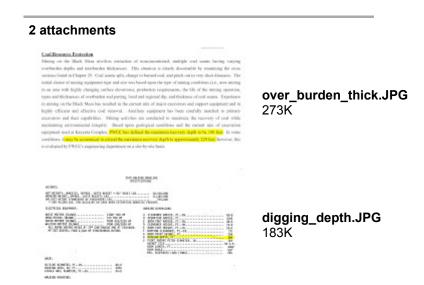
https://www.wrcc.osmre.gov/initiatives/kayentaMine/Permit/KPA Vol1Ch5.pdf

Page 10 of 43 in pdf pages states equipment being used beyond mine depth limits.

Page 15-18 of 43 in pdf pages is the technical specifications of the mine equipment.

A bad let down to operate the Kayenta Mine in an unsafe condition so as to keep water going to CAP. Mine should have been shut down years ago. Reclamation needs to start.

#### Vincent Yazzie



# **Coal Resource Protection**

Mining on the Black Mesa involves extraction of nonconcentrated, multiple coal seams having varying overburden depths and interburden thicknesses. This situation is clearly discernable by examining the cross sections found in Chapter 25. Coal seams split, change to burned coal, and pinch out in very short distances. The initial choice of mining equipment type and size was based upon the type of mining conditions (i.e., area mining in an area with highly changing surface elevations), production requirements, the life of the mining operation, types and thicknesses of overburden and parting, local and regional dip, and thickness of coal seams. Experience in mining on the Black Mesa has resulted in the current mix of major excavators and support equipment and in highly efficient and effective coal removal. Auxiliary equipment has been carefully matched to primary excavators and their capabilities. Mining activities are conducted to maximize the recovery of coal while maintaining environmental integrity. Based upon geological conditions and the current mix of excavation equipment used at Kayenta Complex, PWCC has defined the maximum recovery depth to be 180 feet. In some conditions, it may be economical to extend the maximum recovery depth to approximately 220 feet; however, this is evaluated by PWCC's engineering department on a site-by-site basis.

# 2570 WALKING DRAGLINE SPECIFICATIONS

#### WEIGHTS:

NET WEIGHT*, DOMESTIC, APPROX. (WITH BUCKET + 80' BASE) LBS	10,430,000
WORKING WEIGHT, APPROX. (WITH BUCKET) LBS	
BALLAST WEIGHT (FURNISHED BY PURCHASER) LBS	750,000
* ADO 90.000 LBS. FOR BLOCKING ON CARS WHEN ESTIMATING DOMESTIC FRE	IGHT.

# ELECTRICAL EQUIPMENT:

HOIST MOTORS (BLOWN)	EIGHT 500 HP
DRAG MOTORS (BLOWN)	S1X 500 HP
SWING MOTORS (BLOWN)	FOUR 625/1250 HP
WALKING MOTORS (BLOWN)	FOUR 500/1000 HP
ALL ABOVE MOTORS RATED AT 75° CONTINU	OUS AND AT 230/460V.
MT SET DRIVES: FOUR 2 SOO HD SYNCHRONI	290TOM 2HO

#### WORKING DIMENSIONS

A	CLEARANCE RADIUS, FTIN	80-0
B	OPERATING RADIUS, FT	329
C	BOOM FOOT RADIUS, FTIN	30-0
D	CLEARANCE HEIGHT, FTIN	14-0
E	BOOM FOOT HEIGHT, FTIN	16-0
F	DUMPING CLEARANCE, FTIN	72
G	BOOM POINT HEIGHT, FT	204
Н	DIGGING OEPTH, FT	160
J	POINT SHEAVE PITCH DIAMETER, IN	144
	BUCKET SIZE	90 C.Y.
	BOOM LENGTH, FT	366'
	BOOM ANGLE	35*
	MAX. SUSPENDED LOAD (TONS)	225

# BASE:

OUTSIDE DIAMETER,	FTIN	80-0
BEARING AREA, SQ.	FT	5026
CIRCLE RAIL DIAME	TER, FTIN	54-0

#### WALKING MOUNTING: