

2008 ARRI Conference

August 5-7, 2008



A landscape photograph showing a grassy field in the foreground, a dense line of trees in the middle ground, and a clear sky above. The text is overlaid on the image.

What is FRA?

**There are differing thoughts on
this!**

A landscape photograph showing a cleared forest area. The foreground and middle ground are filled with scattered logs, rocks, and sparse green vegetation. The background shows a flat horizon under a bright blue sky with scattered white clouds. The text is overlaid on the image.

Forestry Reclamation Approach

**Frequent Regulatory
Aggravation**

A photograph of a large brown emu and a smaller chick in a grassy field. A speech bubble is positioned above the emu, containing text. The background shows a line of trees.

***This FRA stuff is
for the BIRDS!***

**A lot of folks have worked hard
to change this perception**

A person wearing a blue long-sleeved shirt and light-colored cargo pants stands on the right side of the frame, looking towards a small, thin tree with numerous small pink blossoms. The tree is positioned in the lower-left foreground. The background consists of a field of tall, dry, yellowish-brown grass interspersed with several large, grey, angular rocks. The overall scene is outdoors, likely on a hillside or in a natural, somewhat rugged area.

Our goal is to grow trees!

Just some of the Gripes!

INDUSTRY

- We gotta save how much of this stuff?
- Sandstone, shale and dirt, we bakin' a cake?
- Haul up hill, are you nuts?

REGULATORY

- You are growing a rock garden!
- What color is that stone: only 75% huh?
- How much money are you saving on reclamation?

**Think we just take a
whoopin' and go home?**



(I couldn't resist this one, Roger!)

A group of wild boars of various colors (black, grey, brown, and tan) are walking along a path covered in fallen autumn leaves. The background consists of dense, dry brush and trees. Two speech bubbles are overlaid on the image, and a large yellow text caption is at the bottom.

Ok folks, let's get out there and find our rooting medium!

Izzy must have been a regulator in a past life!

NO, we gitter dun!



We define what we have!

A close-up photograph of a soil test hole. A person's hand is holding a white ruler vertically against the left side of the hole. The ruler is marked in inches, with the 20-inch mark clearly visible. The soil inside the hole is dark brown and appears moist. There are some roots and small twigs visible in the soil. The surrounding ground is covered with dry, brown leaves and some green foliage. The text "Test holes show average of about 20''" is overlaid in yellow on the lower half of the image.

**Test holes show
average of about 20''**

7.6.c.1; Except for valley fill faces, soil or soil substitutes shall be redistributed in a uniform thickness of at least FOUR FEET across the mine area.

**So we have about 20" in
our region, but we need
48"**

05/05/2006

7.6.c.2 The use of topsoil substitutes may be approved by the Secretary providing the applicant demonstrates: the volume of topsoil on the permit area is insufficient to meet the depth requirements of 7.6.c.1





**Remember, we have about
20"**

**How do we get a suitable
rooting medium?**



We build it!

This is where the fun starts!

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- A photograph of a quarry site. In the foreground, there is a large pile of weathered stone and brown soil. The stone is light gray and appears to be broken into various sizes. The soil is a reddish-brown color. In the background, there are more piles of stone and soil, and some hills in the distance. The sky is clear and blue.
- **What if the weathered stone is potentially toxic?**
 - **What if it's not brown?**
 - **How do we manage mixing?**

“You call that a medium?”

**Sampling shows the
best horizons; looks
can be deceiving**



**Don't be fooled, this is not just a
pretty face!**



**Oh No, not another
inspection!**



We finally have things going our way cause these guys like it, right?



07/13/2005

Which will wear out first; the dirt or the tires!





**Only thing this is gonna grow
is hemorrhoids!**

**Regulations are written to HELP
insure success, not prevent it!
(can't believe I said that)**



**And everyone plays a role in the
success, but....**



EVERYONE must be willing to use a scientific approach, and a little common sense, because we are all working for the same goal, which is.....



09/23/2005

**Trees
(first year)**



Trees (18 months)



Trees (2 years)



TREES!

(3 years)





and More TREES!

A man wearing a camouflage jacket and a green cap stands next to a large tree trunk. The tree trunk is covered in numerous carvings and graffiti. The man is smiling and has his hand pressed against the tree. The background shows a forest with other trees and a ground covered in fallen leaves.

WOW!

**(Ok, maybe I went a little
overboard here!)**

we can also educate,



Give a little direction, if needed



**Maybe get a little recognition for
the effort,**



Ain't that sweet!



FOLA COAL CO., LLC
ARBOR DAY CELEBRATION
SURFACE MINE #6
APRIL 11, 2003

A photograph of a field with tall grasses and several young trees. The trees have green leaves and some are starting to show small red flowers. The background shows more trees under a clear sky.

And grow TREES!

Questions?