



THE "PROBLEM"

How to manage an air pollution
permitting problem!!!



WHAT DO WE WANT TO DO!

THE PERMITTING PROBLEM

Our organization, CAPCA Manufacturing Inc., is planning to build a new facility in the Great State of the Carolinas.

This plant will be used to manufacture metal parts used for the transportation industry.

More details are below:

WHAT DO WE WANT TO DO!

It is anticipated that the facility will have about 900 daytime employees along with a 600 employee second shift. To allow for parking for employees and for adequate space for supplier trucks, a parking area of about 1750 cars will be required for the site.

WHAT DO WE WANT TO DO!

- The manufacturing operations will be principally metal cutting, turning, and shaping but will include metal cleaning and painting operations. The metal cleaner is a naphtha blend and is stored in a 6000-gallon aboveground tank located on the site. Cleaned parts are air dried in the plant before going through the next process step. The paint solution is solvent based to meet color and performance needs. The principal solvent components are an aromatic blend that contains 40% toluene and 10% xylene along with several lower molecular weight glycol ethers. The amount of paint used per year is about 30,000 gallons of various colors with a specific gravity of 7.8 lbs per gallon. The paint is dried in an oven system that is to be exhausted out the roof. Storage of the paint is in drums delivered by truck and stored in a warehouse area at the site specifically designed for flammable liquid storage.

WHAT DO WE WANT TO DO!

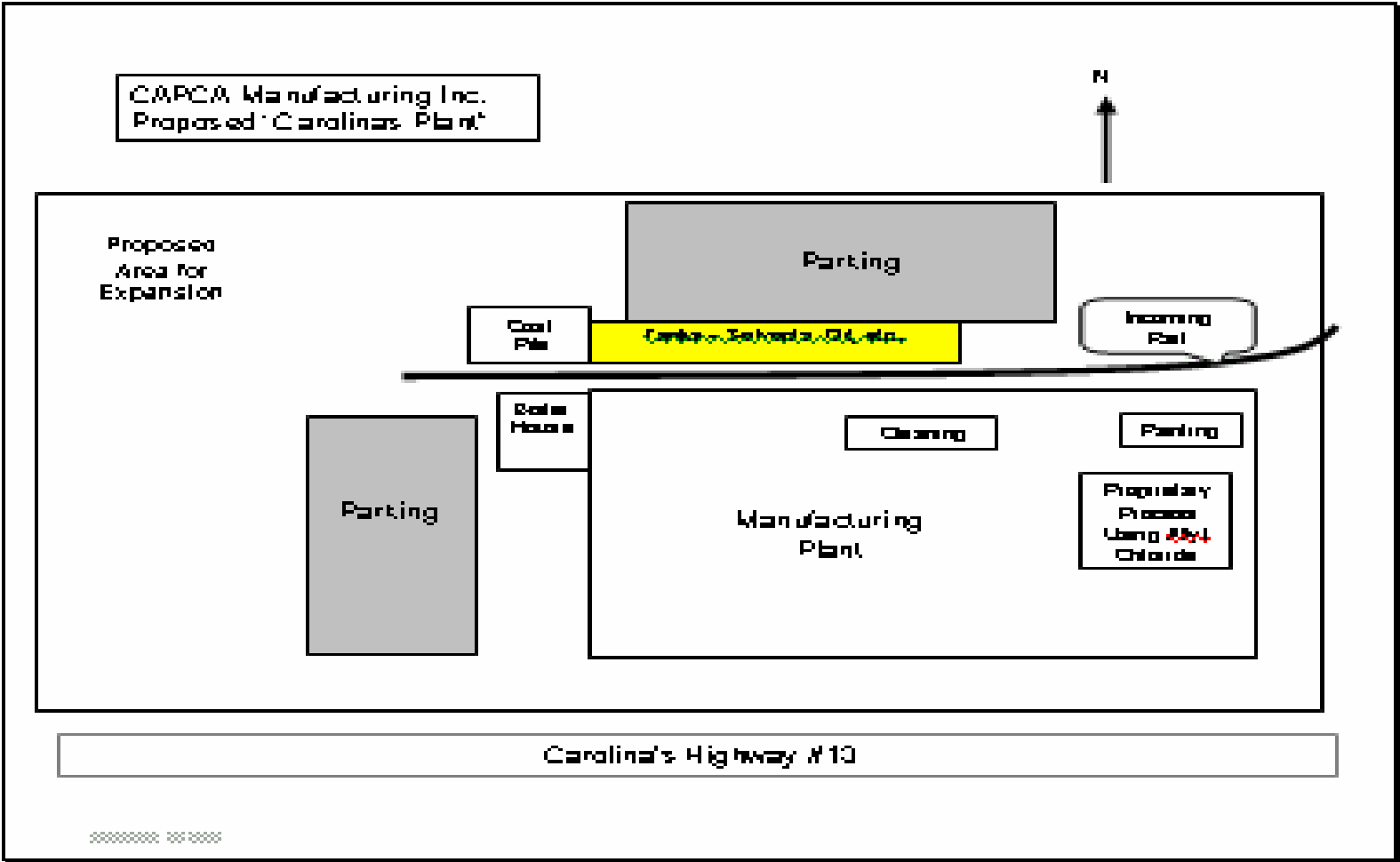
- To provide heating and other steam needs for the plant are six boilers. Three are 2500 HP units (about 106.5 MM BTU's/hr each) and are proposed as coal fired. The other boilers serve as backups. They are smaller, being 1500 HP each and are fired with #6 Fuel Oil. The #6 Fuel Oil is stored in two 30,000-gallon aboveground fixed roof tanks served by the rail siding.
- Also located on the site is a process for nickel plating that uses nickel carbonyl, a gas. The amount of nickel carbonyl stored at the site is typically about 15,000 lbs in a storage system specifically designed for the handling of this hazardous chemical.

NOW WHAT???

A tentative plan is attached for this facility.

Both road and rail supporting the needs of the facility will service it.

THIS IS HOW IT LOOKS!!!



NOW WHAT???

We would like to start construction soon.

What permitting issues are present in this process?

What can be done to expedite the permitting and move along toward construction.

What "land mines" are present that would stop the permitting process?

RULES OF “ENGAGEMENT”

- Gordon Miller is President of CAPCA Manufacturing
- Several of the panelists are either staff or consultants to CAPCA Manufacturing
- The panelist who are regulators are in cameo roles.
- Questions from audience welcomed!!!

HOW ARE WE DOING?

