1 Status

1.1 Update of existing policy, effective 06/03/11.

2 Purpose

2.1 Provide guidelines and requirements for the use of caution, danger and radiation tape to protect from specific hazards.

3 Applicability

3.1 This policy applies to all subsidiary companies and departments of the Cianbro Companies.

3.2 All organizations are required to comply with the provisions of this policy and procedure. Any deviation, unless spelled out specifically in the policy, requires the permission of the Corporate Safety Officer or designee.

4 Definitions

4.1 Caution Tape: Yellow tape with the word Caution written continuously along the tape. The tape is used to warn of a hazard inside of an area.

4.2 Radiation Tape: Yellow tape with magenta (purplish-pink) wording or radiation symbols continuously along the tape. The tape is used to warn of a radiation hazard inside of an area.

4.3 Red or Danger Tape: Danger tape has red as the predominating color background with the words "DANGER" all along the tape. This tape is to be used only where an immediate hazard exists inside the area that is barricaded off.

5 Policy

5.1 Barricade tape with tags shall be used where appropriate to warn and protect team members of existing hazards.

6 Responsibilities

6.1 The top Cianbro manager of the job site is responsible for the implementation of this policy on the project.

6.2 Corporate Safety is responsible for maintaining this document.
Many construction projects require the barricading of areas to protect against hazards that are present. For example there may be work activities going on at upper levels where objects could fall potentially striking some one, tripping hazards, or radiation hazards. When planning for hazards you must also take into consideration other methods to protect from the hazard and do not just rely on signs and barricade tape as the first or only option. Tools, materials and equipment can be secured (tied off) to prevent them from falling to lower levels. Debris nets or shielding can be used to prevent demo materials from falling below. Toe boards or fully covered guardrail shielding could be installed along upper level walkways or floors. Trip hazards could be covered or removed. These options should be considered along with the use of barricade tape and informational barricade tags.

There are three basic types of barricade tape generally found and used at construction sites and it is important to note the differences.

7.1 Caution Tape (yellow)
Caution tape has yellow as the predominant background color with the words "CAUTION" all along the tape. This tape is used to warn against potential hazards inside the area that is barricaded off. If there is an alternate route around the caution tape barricaded off area, then it should be used by those not associated with the specific activity. If it is necessary to enter or cross through the caution taped off area, then the barricade tag hanging off the caution tape must be read to understand what the hazards are inside before proceeding through. Only after clearly understanding what the hazards are should anyone cross through or go into an area that has been caution tape barricaded off. Never remove any caution tape or tags without the permission from an authorized member of the crew who is responsible for work being done within the caution taped off area.

7.1.1 Caution Tape Tag (yellow)
A Cianbro barricade tag must be completed and hung off all caution barricade tape being used by Cianbro crews. The tag should be placed at a location where persons other than the work crew inside the barricaded area will most likely see it. More than one tag may be necessary. The tag must be completely filled out with the name of the person putting up the barricade tape.

7.2 Danger Tape (red)
Danger tape has red as the predominant background color with the words "DANGER" all along the tape. This tape is to be used only where an immediate hazard exists inside the area that is barricaded off. Like the use of caution tape, if there is an alternate route around the danger tape barricaded off area, then it should be used by those not associated with the specific activity. If it is necessary to enter or cross a danger taped off area, then the barricade tag hanging off the danger tape must be read to understand what the hazards are. Only with permission from an authorized member of the crew who is responsible for work being done within the danger taped off area, is anyone allowed to cross through or enter a danger taped off area. Never remove any danger tape or tags without the permission of an authorized member of the crew who is responsible for work being done within the danger taped off area. Never go into a danger taped off area without permission.
7.2.1 Danger Tape Tag (red)
A Cianbro barricade tag must be completed and hung off all danger barricade tape being used by Cianbro crews. The tag should be placed at a location where persons other than the work crew inside the barricaded area will most likely see it. More than one tag may be necessary. The tag must be completely filled out with the name of the person in charge of the work activities working inside the barricade area. Also, the name of each member of the work crew must be listed on the backside of the barricade tag. Any authorized person, whose name is listed on the tag, may authorize other person’s access inside the barricade area.

7.2.2 First line supervisors responsible for work activities requiring the use of barricade tape, must ensure they use the appropriate tape and tag "danger or caution" based on the activities to be preformed, and include this in their activity plan. Proper installation of the tape and tags must be communicated to each member of the work crew performing the activities requiring the use of barricade tape. Each crewmember is responsible to ensure the integrity of the tape and tags is maintained and guard against unauthorized persons crossing into the taped off work area.

7.2.3 Barricade tape should be removed as soon as possible when the work and danger is past or completed.

7.3 Radiation Tape (yellow/magenta)
Radiation tape has yellow as the predominant background color with the words "Caution Radiation Area" and/or a radiation symbol in the color magenta all along the tape. This tape is to be used only where an immediate radiation hazard exists inside the area that is barricaded off. Like the use of caution and danger tape, if there is an alternate route around the radiation tape barricaded off area, then it should be used by those not associated with the specific activity. Only with permission from an authorized member of the crew who is responsible for work being done within the radiation taped off area, is anyone allowed to cross through or enter a radiation taped off area. Never remove any radiation tape without the permission of an authorized member of the crew who is responsible for work being done within the radiation taped off area. Never go into a radiation taped off area without permission.

7.3.1 When planning for radiation hazards at nuclear plants or if radioactive sources are needed for testing or x-rays, a competent person is required who can identify safe approach distances to radiation sources and place barricade tape accordingly.

7.3.2 Tagging of Radiation Tape
Since radiation tape is treated the same as danger tape, a red danger tag should be hung off all radiation barricade tape being used by Cianbro crews. The tag should be placed at a location where persons other than the work crew inside the barricaded area will most likely see it. More than one tag may be necessary. The tag must be completely filled out with the name of the person in charge of the work activities working inside the barricade area. Also, the name of each member of the work crew must be listed on the backside of the barricade tag. Any authorized person, whose name is listed on the tag, may authorize other person’s access inside the barricade area.

7.4 Disciplinary Procedures / Enforcement
Team members (any Cianbro team member) crossing or removing red danger tape or radiation tape without permission from an authorized member of the crew who is responsible for work being done within the taped off area is subject to those consequences listed in Cianbro's Zero Tolerance - Safety Accountability Policy and Procedure.

REMEMBER, YOUR SAFETY IS OUR MOST IMPORTANT GOAL!
7.5 Safety At Home
Working safely at home is as important as it is at work, if you are doing work at home that could cause injury to other family members or neighbors the use of barricade tape to keep loved ones out of your work area. Take the time to explain or train so that those around your demolition, excavations or whatever type of work that you are doing at home so that they will stay out of the area when there is a danger of being injured.

8 Budget / Approval Process

8.1 It is the responsibility of each jobsite to procure and provide all materials and PPE required and to provide necessary training.

9 Related Documents

9.1 Not applicable.