

**SITE DEVELOPMENT ENVIRONMENTAL PROTECTION MEASURES**



*EARTHMOVING UNDERGROUND UTILITIES SITE DEVELOPMENT SERVICES*

# BACKGROUND

Dwayne McAninch founded the McAninch Corporation in 1954 with one dozer building farm ponds. Today McAninch Corporation has one of the largest fleets of Caterpillar equipment in the Midwest...close to 500 pieces and 600 experienced personnel.





# EARTHMOVING/UNDERGROUND UTILITIES

McAninch is one of the construction industry's leading earthmoving contractors. We specialize in high production earthmoving and underground utilities.



# ENVIRONMENTALLY SUSTAINABLE PRACTICES

McAninch Corporation is committed to the principles of sustainable development. To reduce emissions and conserve resources, we blend bio-diesel fuel, recycle materials, install or retrofit the most fuel-efficient engines, and subscribe to the protocols set by the U.S. Green Building Council. At McAninch we acknowledge our responsibility to safeguard the environment.



**McAninch®**

# Nonattainment

Summer of 2007 the EPA gave KC  
nonattainment rating, on air quality



McAninch is partnering with these organizations that are committed to building a greener KC.

# building a greener KC



# LEED



Here are some highlights from our *pdf* document titled  
*Site Development Environmental Protection Measures.*



For reducing CO2 emissions by one-third, we were congratulated by the Environmental Protection Agency and air-quality officials from ten states. EPA's regional administrator said: "We're proud to welcome this new partner to the Blue Skyways Collaborative."



**McAninch®**

COMMITTED TO SUSTAINABLE SITE DEVELOPMENT  
EARTHMOVING • UNDERGROUND UTILITIES • TOTAL SITE SOLUTIONS

**McANINCH PARTNERS WITH BLUE SKYWAYS COLLABORATIVE TO CLEAR KANSAS CITY'S AIR**



"We want to commend and recognize McAninch for its efforts to reduce air emissions from its equipment. We're proud to welcome this new partner to the Blue Skyways Collaborative."

—John Ahoen, EPA Region 7 Administrator



George McAninch, Dewey McAninch, John Ahoen and Patrick Radtke



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# SITE DEVELOPMENT ENVIRONMENTAL PROTECTION MEASURES

**Whatever our business, we are all citizens of the planet, so we share stewardship responsibilities. At McAninch we believe in doing the right thing, whether a regulator is watching or not. We also believe in making a profit and passing cost savings on to our clients. Fortunately, every environmentally friendly practice is also a good business practice.**



# IMPROVED EARTHMOVING EFFICIENCY

At one time, letting engines run during work breaks made operational sense, but we and the environment can no longer afford it. McAninch now requires that engines be shut down until work resumes. We are also replacing older engines with the newest, most fuel-efficient engines and following Caterpillar's recommendations on the blending of bio-diesel with conventional fuel. The result is more economical operation with fewer emissions.



# IMPROVED EARTHMOVING EFFICIENCY

Most contractors use self-propelled motor scrapers that require a support unit to load. For many years, McAninch has employed a fleet of dozer-pulled scrapers that were custom built in our own facilities. Fewer engines doing the work burn less fuel—it's that simple.



**ENGINE**

- 300 HP CAT D11R
- 12.5 L/HR Fuel
- 1000 RPM @ 1500
- 1000 RPM @ 1500
- 1000 RPM @ 1500

**TRACTOR**

- 1000 HP CAT D11R
- 12.5 L/HR Fuel
- 1000 RPM @ 1500

**CUSTOMIZATION**

- Customized for 1000 HP CAT D11R
- Customized for 1000 HP CAT D11R
- Customized for 1000 HP CAT D11R

**SCRAPER**

- 1000 HP CAT D11R
- 12.5 L/HR Fuel
- 1000 RPM @ 1500

**McAninch** CUSTOM D11R x 951E  
A PASSION FOR INNOVATION

**McAninch** GREEN FLEET

**McAninch** GPS





# **EARTHMOVING ACTION CLEARS OVERLAND PARK AIR**

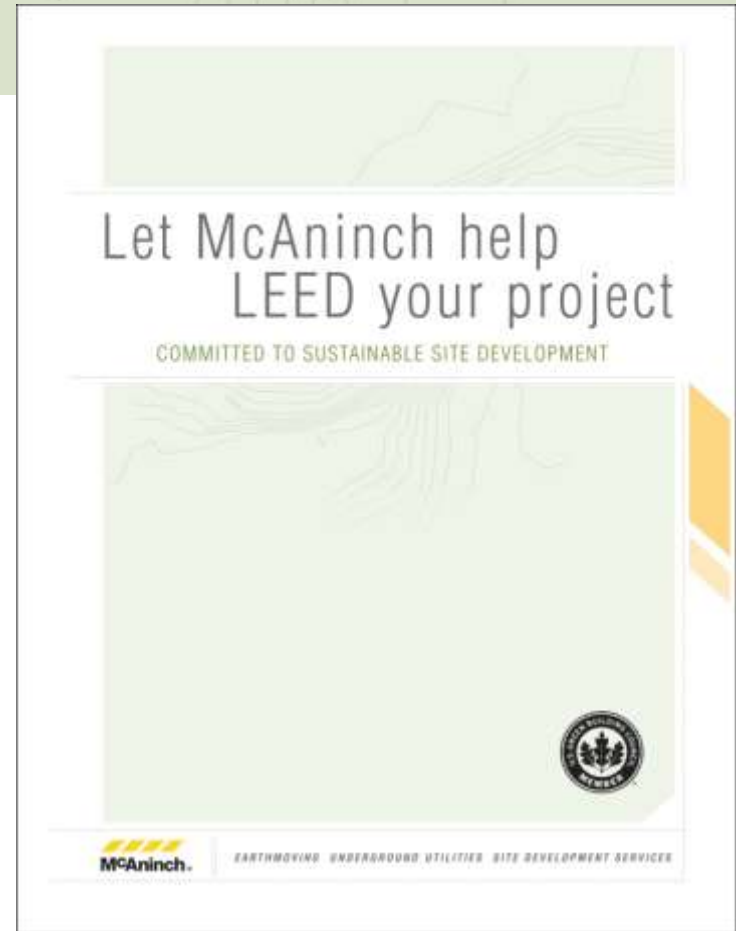
**11/14/07**  
Overland Park  
Environmental News

Removing the equivalent of 570 car's air pollution each year from the road is not an easy task. McAninch Corporation, an earthmoving and underground utility contractor in Overland Park, has done just that by making a few simple changes to its operations.

McAninch has joined forces with the Blue Skyways Collaborative, a voluntary program to reduce air pollution.

They are the first business in Johnson County to be accepted into the Blue Skyways program and were recently recognized for their efforts by the Environmental Protection Agency.

**McAninch is also committed to the principles of sustainable development. The following is a summary of our *pdf* document titled *LEED Points for McAninch Site Development*.**



# LEED POINTS

Under ID 1.1 through 1.4, McAninch strategies may be submitted for the approval of LEED judges under “Innovation & Design Process.” This section provides an “opportunity to be awarded points” for performance “not specifically addressed” elsewhere. Benefits such as fuel efficiency, reduced emissions, and balanced earthwork are consistent with LEED protocols.





# SUSTAINABLE DESIGN VALUE ADDED SERVICES

- Verification of existing topography
- Provide input on the civil design
- Perform quantity estimated to ensure the most efficient and economical grading plan is established
- Meet with soils engineers to analyze recommendations and their economic impact on project
- GPS controlled fleet of equipment that will result in the savings in survey cost and expediting the schedule
- Safety is a top priority. Over the last 5 years McAninch has earned one of the highest safety ratings in the industry
- McAninch has one of the largest fleets of equipment in the country and is confident that nobody can do the job as quickly
- Developers can submit McAninch site development practices for LEED points
- McAninch is a member of the U.S. Green Building Council

For industry leadership, including environmental initiatives, founder and CEO Dwayne McAninch was honored with the 2006 Award of Excellence from *Engineering News Record*.



**APPLIED TECHNOLOGIES**

**Implementation**

**INTEGRATION**



# SITE DEVELOPMENT ENVIRONMENTAL PROTECTION MEASURES

Competitive advantages of pursuing and implementing “green”



**At McAninch, we know that partnering with the building team early in the project is the most sustainable and cost effective way of doing the job.**



**If we're not on your bidder's list, we'd like to be.**

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**////// A PASSION FOR INNOVATION**





building a **greener** **KC**

  
**MCAninch®**