Frack Truck Impacts
On New York Villages and Towns

Jeffrey M. Reynolds
James “Chip” Northrup

Separating Fracks from Fiction
Fracking Requires A Lot of Trucks

- Trucks are one of the worst impacts of fracking
- 18 wheelers up to 80,000 pounds
- Thousands of trips to and from well
- More in a week than you see in a year
- More in a year than you’d see in a lifetime

Frack truck traffic can be ruinous to towns
Frack Fluids Trucked to Well

- 400 to 600 tanker truckloads of fluid
- 2.4 to 7.8 million gallons of water per well
  - estimates per NY DEC
  - trucked to site by tankers
- Thousands of gallons of chemicals per well
  - Classified as “hazardous material” by DEC
  - Chemicals undisclosed by industry
Frack Flowback Trucked Away

- Wastewater comes back from frack
- 200 to 300 tanker truckloads of frack waste
- Classified as “industrial waste”
- Contaminated with radium
- Frack wastewater trucked away
  - to a remote disposal well
  - to a processing facility
DEC Estimates of Truckloads Per Well

Rig Mobilization, Site Prep, Demobilization
Drill Pad and Road Construction Equipment 10 - 45
Drilling Rig 30
Drilling Fluid and Materials 25 - 50
Drilling Equipment (casing, drill pipe, etc.) 25 - 50
Completion Rig Mobilization/ Demobilization 15 Truckloads

Well Completion
Completion Fluid and Materials 10 - 20
Completion Equipment (pipe, wellhead) 5
Hydraulic Fracture Equipment (pump trucks, tanks) 150 - 200
Hydraulic Fracture Water 400 - 600 Tanker Trucks
Hydraulic Fracture Sand 20 - 25
Flow Back Water Removal 200 - 300
Well Production Equipment 5 - 10

Total = 895 to 1,350 truckloads

http://www.dec.ny.gov/energy/58440.html
What That Means To You

- Each well = 1,800 to 2,600 truck drive-bys
- 8 well pad site = 14,400 to 20,800 drive-bys
- Convoys of up to 100+ tankers
- Roads and bridges damaged
- Air pollution from diesel exhaust
- Noise pollution night and day

Your town center can be ruined for about 30 years
Peak Traffic To Well Site

- Wells are drilled 24/7 nonstop
- Drill pipe, casing cement, chemicals
- Traffic peaks before/during fracking
- Fluids must be onsite when frack begins
Truck Traffic Bottlenecks

- Trucks work out of service yards
- Traffic heaviest near the yards
- Convoy to and from well sites
- Routes to well sites may converge

Local traffic comes to a standstill
No Alternatives To Trucks

- Water sourced onsite
  - if from wells - local water table drops
  - if from rivers - drilling sites in watershed
- Railroads do not provide adequate coverage
- Propane fracking is uneconomic
- Frack waste recycled at remote centers

There will be a lot of fracking trucks
Why Frack Convoys (always) Speed

- Contract truckers paid by the load
- Drive fast = more loads = more pay
- Operations go on 24/7 - non-stop
- Lead truck gets caught in a convoy
- Many truckers will be from out of state

Frack truck convoys will speed
But What Happens in Texas?

- No 200 year old villages
- Small towns developed along highways
- Larger towns have highway bypasses
- County seats have courthouse squares
  - Highway on one side of square
  - Or bypass the square completely
Your Town On Frack Trucks
Tankers Don’t Stop For Coffee. . . .
They Don’t Even Slow Down
No Road Use Ordinance? All Roads are Vulnerable
Get to Work in Your Town

NO FRACKing TRUCKS
Solution: Local Road Use Laws

- Allowed by Municipal Home Rule Law 10
- Allowed by NY Vehicle & Traffic Law
  - for counties, towns, cities and villages
- Municipalities must act - soon
- DEC won’t help you
Local Control Over Truck Routes

- Allowed by NYS Vehicle & Traffic Law
- Designated routes for heavy trucks
- Route closures except by permit
- Indemnifications for road & bridge damage
- Exceptions for local deliveries
  - Moving vans and delivery trucks

Get a tough law and enforce it
What Your Town Will Need

- Land use plan
- Land use ordinance
- Truck route plan
- Road use ordinance
- Enforcement
Resources

- **Land and Road Use Plan**
  - Nan Stolzenburg
    nan@planningbetterplaces.com

- **Town Ordinances**
  - Michelle Kennedy
    mkennedyesqny@gmail.com
GET BUSY!

Don’t Let Frack Trucks Ruin Your Town