

BEFORE THE  
OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

Case No. 11352 Exhibit No. 1

Submitted by Chris Shuey **Table 1 - Hazardous Constituents, Hydrocarbons and Other Pollutants**

Hearing Date Nov. 14, 1998 **in Oil and Natural Gas Production Wastes**  
**based on EPA Data and Experience and Studies in New Mexico**

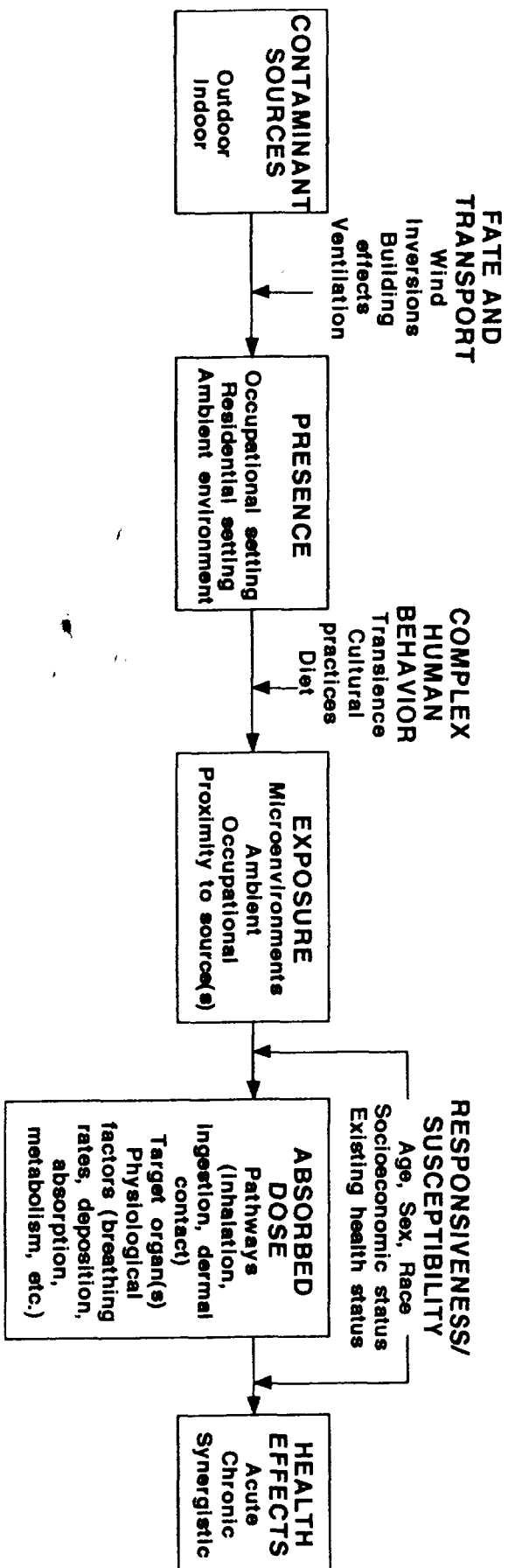
SHUEY EXHIBIT 1

Hazardous constituent	found by EPA* in wastes	found by API	found by N.M.** in wastes	Listed in 40 CFR 261 App. VIII	Exceeded N.M. Ground Water Standard***
anthracenes	?	?	yes	no	?
antimony	yes	?	?	yes	?
arsenic-dws	yes	?	yes	yes	yes
barium-dws	yes	?	yes	yes	?
benzene-dws	yes	?	yes	yes	yes
biphenyls	?	?	yes	no	?
boron	yes	?	yes	no	?
C4 alkylated benzenes	?	?	yes	no	present
C5-C7 hydrocarbons	?	?	yes	no	?
C6-C8 hydrocarbons	?	?	yes	no	?
C10-C20 hydrocarbons	?	?	yes	no	yes
cadmium-dws	yes	?	yes	yes	?
chromium (VI)-dws	yes	?	yes	yes	?
decenes	?	?	yes	no	present
ethylbenzene-dws	?	?	yes	no	yes
fluorenes	?	?	yes	no	?
fluoride-dws	yes	?	yes	no	?
heptanes	?	?	yes	no	present
hexanes	?	?	yes	no	present
lead-dws	yes	?	yes	yes	yes
manganese	?	?	yes	no	?
naphthalenes	?	?	yes	yes	?
nonanes	?	?	yes	no	present
octanes	?	?	yes	no	present
phenanthrene	yes	?	?	no	N/A
phenols	?	?	yes	yes	yes
pyrenes	?	?	yes	no	?
selenium-dws	?	?	yes	yes	yes
strontium	?	?	yes	no	?
toluene-dws	?	?	yes	yes	yes
xylene (total)	?	?	yes	no	yes
zinc-dws	?	?	yes	yes	?

dws -- constituent also assigned federal drinking water standard

N/A -- not applicable (no standard for the given constituent)

# Biological Impact Pathway Model (Ryan and Lambert, 1991), Modified for Consideration of Cultural, Social and Economic Factors



BEFORE THE  
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Case Nos. 11352 Exhibit No. 2  
Submitted by Chris Shuey  
Hearing Date Nov. 14, 1996

# OCD RELEASE NOTIFICATION AND CORRECTIVE ACTION

(proposed Rules 116 and 119)

BEFORE THE  
OIL CONSERVATION COMMISSION  
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Case No. 11352 Exhibit No. 3  
Submitted by Chris Shuey  
Hearing Date Nov. 14, 1996

