Environmental issues categorized by type, media and pathway

Hammond et al. "Community Environmental Issues: A Summary and Analysis of Local and Federal Government Perspectives," DRAFT, In review.

SOURCES OF EXPOSURE Quality - Quality - Mobile Source/Near Road Pollution - Quality - Point Source Emissions tobody Shops / Recyclers wowfields ntaminanted Land ntaminated Sludge inking Water h Consumption			•		FOOD OTI	1 .				hearing loss, asthma	V00 P1
Quality - Mobile Source/Near Road Pollution Quality - Point Source Emissions tobody Shops / Recyclers ownfields Intaminanted Land Intaminanted Sludge Inking Water In Consumption			•			•				hearing loss asthma	DAA WI
· Quality - Mobile Source/Near Road Pollution · Quality - Point Source Emissions tobody Shops / Recyclers ownfields ntaminanted Land ntaminanted Sludge inking Water h Consumption											VOCs, PM
· Quality - Point Source Emissions tobody Shops / Recyclers ownfields ntaminanted Land ntaminated Sludge inking Water h Consumption	•					•				asthma, COPD, heart disease asthma, respiratory disorders	PM, O3 diesel exhaust, PM, HAPs
tobody Shops / Recyclers ownfields intaminanted Land intaminated Sludge inking Water h Consumption										asthma, respiratory disorders asthma, respiratory disorders	metals, SVOCs, VOCs
ntaminanted Land ntaminated Sludge inking Water h Consumption			•	•						asthma, neurological disorders	VOCs, metals
ntaminated Sludge inking Water h Consumption			•	•			•		•	cancer	metals, PCBs
inking Water h Consumption			•	•	•		٠		٠	cancer	metals
h Consumption			•						•	cancer, immune disorders cancer, liver/kidney disorders	PCBs, plutonium, etc. pathogens, metals
					•			•		neurological impairment	mercury
				٠			٠	•	•	cancer, liver/kidney disorders	nirates, metals
zardous Waste / Pharmaceuticals			•	•						cancer	medications, acids, mercury
zardous Waste Sites - Active zardous Waste Sites - Inactive			÷	·					·	cancer	refrigerants, chlorinated solvents, etc. refrigerants, chlorinated solvents, etc.
zardous Waste Sites - Inactive zardous Waste Sites - Abandoned/Superfund			•						•	cancer	metals, PCBs, etc.
loor Air Quality	•	•				•				asthma, allergies, cancer	radon, ETS, PM, VOCs
loor Pollution		•							٠	asthma, cancer	lead, bioaerosols, asbestos
loor Vapor Intrusion lustrial Solid Waste Sites		•				•				asthma, allergic reactions cancer	VOCs, PM metals, PAHs, pesticides.etc.
ethamphetamine Labs			•			•				respiratory disorders, nausea	VOCs, metals, acids, etc.
ning Waste			•	•					•	cancer	radiation, metals, PM, etc.
w Toxic Chemicals	•	•	•	•	•	•	•		•	unknown	unknown
nhazardous Waste Sites - Industrial			•	•					•	cancer	PAHs, acids, etc. metals, PAHs, oils, etc.
nhazardous Waste Sites - Municipal tdoor Air Quality			•	•					•	asthma, COPD, heart disease	PM, ozone, HAPs, etc.
int sources - major except landfills	•			•		•				cancer, respiratory disorders	metals, PM, VOCs
rts and Marine Terminals				٠						asthma, cancer	diesel exhaust, PM, metals, etc.
inters (D. (. 51.)	•					•				asthma, allergic reactions	VOCs
nool Buses (Retrofits) nools/Hazardous Waste	- :									asthma, allergic reactions cancer	diesel exhaust, PM acids, caustic agents, etc.
nools/Hazardous Waste il - unlined sumps				•					•	cancer cancer, liver/kidney disorders	metals, PAHs, acids, etc.
per-emitting cars	•					•				asthma, COPD	CO, NO2, PM
anium Mines (well water)			٠	•			٠	•	•	cancer	radiation
ater Quality - Wastewater / Sewage				•			•			cancer, liver/kidney disorders cancer, liver/kidney disorders	pathogens, metals
nter Quality - Stormwater Runoff POLLUTANTS				•			÷			cancer, nver/kiuney disorders	petroleum, pesticides, nitrates, etc.
POLLUTANTS abient Air Pollutants	—									asthma, cancer	PM, VOCs
ibient Air Pollutants senic in Soil			•	•	•	-	•			cancer	metals
bestos		•	•						•	mesothelioma	-
al Dust	•					•				pneumoconiosis	sulfur
eosote	•						•		٠	chemical burns, cancer	
iteria Air Pollutants esel Exhaust	1:									asthma, cancer asthma, cancer	PM, ozone, lead, CO, NOx, SO2 PM, SO2, CO, CO2, NOx
oxins	•		•	•		•		•	•	cancer, skin lesions	2,3,7,8-TCDD, etc.
st From Construction Sites	•			•		•	٠		•	silicosis, lung cancer	silica, PM, metals
coli at beaches			•	•			•		•	hemolytic uremic syndrome	
vironmental Tobacco Smoke Ash		•	•				•			lung cancer, asthma cancer	benzene, acetone, PM silicon, aluminum and iron oxides
zardous /Toxic Air Pollutants			•				•			cancer	benzene, cadmium, chromium VI, etc
egrated Pest Management/Pesticides		•				•			•	cancer, birth defects	organophosphates, methyl bromide, et
ad	•	•	٠	•			•			neurological, nervous system	-
inganese (industrial emissions)	1:		•	•	_					nervous system damage neurological impairment	:
ercury old					•					allergic reactions, asthma	Stachybotrys chartarum, Aspergillus, e
micipal Solid Waste Sites									•	respiratory disease, cancer	methane, dichlorobenzenes, VOCs
il Care Products/Nail Care Salons						•				neurobehavioral impairment	toluene, formaldehyde, etc.
rticulate Matter (Fine)	•									asthma, COPD, etc.	diesel PM, lead, carbon
thogens in Water sticide Residue on Foods			•	•	•			•		giardiasis, cryptosporidiosis unknown	Giardia, Cryptospordium, etc. organophosphates, methyl bromide, et
CPs in Water			•	•			•		•	unknown	antibiotics, steroids, hormones, etc.
diation (except indoor radon)									•	cancer	depleted uranium, radioactive isotopes,
don		•			•	•				lung cancer	-
raviolet radiation/ozone depletion					<u> </u>				·	melanomas	
HEALTH ENDPOINTS									_		6741:
thma ncer	- :	·									PM, bioaerosols perchlorethylene, ETS, radiation, etc
ncer ildren's Health					• •			•	·	asthma, obesity	lead, BPA, diesel exhaust, PM, etc.
abetes					•			•		heart disease, stroke	PM, persistent organic pollutants
vironmentally Related Diseases		•		•			•	•	•	asthma, cancer	PM, lead, UV, asbestos, etc.
ant Mortality	•	•						•		•	PM, NO2, ozone, etc. PCBs, NO2, CO, PM, etc.
w Birth Weight Infants ental/Neurophysiological Health	-			•	•			•		IQ deficits, Alzheimer's disease	lead, PCBs, dioxins
esity					•			•		heart disease, stroke	pesticides
ctor-borne Diseases (WNV)		•		•	•				•	encephalitis, meningitis	-
orker Health	<u> </u>	<u> </u>	•	·		<u>. </u>	_	•	٠	cancer, neurological disorders	pesticides, metals, PCBs
ACTIVITY-RELATED EXPOSURES	_									1 22 11	. 1
cidental Releases - Oil Spills cidental Releases - Toxics			•	•					•	dermatitis, skin cancer cancer	petroleum oils, metals benzene, phenols, cresols
riculture	•			•			•	•		nerve disorders, cancer, etc.	pesticides, herbicides, insecticides
rning	•					•				asthma, respiratory diseases	PM, phthalates, etc.
nsumer Exposure to Chemicals		•			•		•	•	٠	cancer	insecticides, caustic agents
rect Point Source Discharges to Surface Water				•			•		•	cancer, liver/kidney damage cancer, neurological disorders	metals, PAHs, acids, etc. PCBs
edging/PCBs althy Homes (Cleaning Products, Waste, Allergens)				-			•		•	asthma, respiratory diseases	ammonia, chlorine, etc.
using/Property Maintenance							•	•	•	asthma, cancer	asbestos, lead, mold
lirect, Point Source Discharges to Surface Water				•			•		•	cancer, liver/kidney damage	metals, PAHs, acids, etc.
lustrial Waste-Water Discharges to Surface Waters				•			٠		٠	cancer, liver/kidney damage	metals, PAHs, acids, etc.
tht Pollution					•				•	insomnia, depression, cancer	metals, PAHs, acids, etc.
nnicipal Waste-Water Discharges to Surface Waters npoint Source Discharge to Surface Water				•			•			cancer, liver/kidney damage cancer, liver/kidney damage	nitrogen, phosphorus, pesticides, etc.
or and Noise Pollution										hearing loss, depression	hydrogen sulfide
sticide Application	•		•	•		•	•	•	•	nerve disorders, cancer, etc.	pesticides, herbicides, insecticides
creational Water Quality				٠			٠		•	dematitis	e.coli, mercury, etc.
orage Tank Releases									•	cancer cancer, neurological disorders	metals, petroleum, pesticides, etc. pesticides, metals, asbestos, etc.
orker Exposure to Chemicals (Industry & Agriculture) OTHER	<u> </u>	_		-		<u> </u>	÷			cancer, neurological disorders	pesticines, iliciais, aspesios, etc.
ergy Conservation	1				-	T -					-
nd Use / Redevelopment/ Smart Growth						•	•	•	•		
ysical Degradation of Water & Wetlands			•	٠	•		•	•	•	-	-
blic Health Education					•	•	•	•	•		
lid Waste Disposal / Recycling astewater Management	- 1		•	:	•				:		-