

Tribal Solid Waste Education and Assistance Program

Developing A Tribal Solid Waste Management Plan

This document is intended to make the development of an Integrated Solid Waste Management Plan (ISWMP) simpler and user-friendly for tribes and their communities. It can be used as a checklist for an overall environmental inventory or plan, as well as a tool to organize the data and information you may want to include in your solid waste management plan.

TRIBAL PROFILE

MAIN CONTACT INFORMATION

NAME OF TRIBE/RESERVATION/VILLAGE/CORPORATION:		
		STATE:
ADDRESS:	CITY:	ZIP CODE:
PHONE NUMBER:	FAX NUMBER:	WEBSITE:
TRIBAL CONTACT:	PHONE NUMBER:	EMAIL:

HISTORY:	FEDERAL RECOGNITION:	DOES RESERVATION HAVE MULTI-TRIBAL
Pre European Contact:	Reservation established by:	GROUPS/BANDS?
Culture	Executive Order	🗆 Yes 🛛 No
Form of government	Congressional Order	
Territory	Federal Legislation	Number of tribal groups:
	Date reservation established:	List groups:
FORM OF GOVERNMENT:	TRIBAL CONSTITUTION:	GOVERNING OFFICIALS:
□ IRA (Tribal Council, Business Council, Corporation)		Number of officials:
	Legislative	Terms:
🗆 Other		Elected by tribal membership:
	Date Adopted:	
Name of Governing Body:		TRIBAL ELECTIONS (Timelines):
	BY-LAWS	🗆 Annual
	Yes Date Adopted:	Every two years
	□ No	Every three years
		Every four years

TRIBAL GOVERNMENT/EXECUTIVE MEMBERS

Nerro	Nome	News			
Name:	Name:	Name:			
Title:	Title:	Title:			
Phone:	Phone:	Phone:			
Email:	Email:	Email:			
Name:	Name:	Name:			
Title:	Title:	Title:			
Phone:	Phone:	Phone:			
Email:	Email:	Email:			
Name:	Name:	Name:			
Title:	Title:	Title:			
Phone:	Phone:	Phone:			
Email:	Email:	Email:			
Does the tribe have law enforcement?	Does the tribe have law enforcement? Yes No Comments:				
Does the tribe have a tribal court system?	□ No Comments:				
Who is the Tribal Attorney? If applicable, does the trib	e have a legal team or office?	Comments:			
(Name of Attorney or Legal Office)		City:			
Name	Address:	State: Zip Code:			

Fax #

Phone #

Email:

ENVIRONMENTAL PROFILE

ENVIRONMENTAL PROGRAMS	CONTACT	COMMENTS
Solid Waste		
Air Quality		
Water Quality		
🗆 Land Use		
Brownfields		
Superfund/CERCLA		
Underground Storage Tanks (UST)		
Leaking Underground Storage Tanks (LUST)		
Range Management		
Fish and Wildlife		
Forestry		
Wildland Fire Program		
Emergency Response		
□ GIS/GPS		
□ Other		
UTILITY AUTHORITY	CONTACT	COMMENTS
	CONTACT	COMMENTS
Public Works Management		
Water and Waste Water Treatment		
Natural Gas Operations		
US ENVIRONMENTAL PROTECTION AGENCY	CONTACT	COMMENTS
Region:		
Regional Coordinator		
Tribal Coordinator		
RTOC Representative		
i nochepresentative		
	CONTACT	CONADAENTS
STATE/COUNTY/CITY/BOROUGH/PARISH	CONTACT	COMMENTS
Site Coordinators		
Environmental Programs		
INDIAN HEALTH SERVICE (IHS)	CONTACT	COMMENTS
Site Coordinators		
Environmental Programs		

SOLID WASTE PROGRAM ASSSESSMENT

Does your tribe, consortium, or agency currently have a solid waste program in place?
 Yes
 No

If NO, will the tribe plan to develop such a program within three years?

Does your tribe, consortium, or agency currently have a Solid Waste Management Plan?
 Yes No

If NO, will the tribe plan to develop a plan within three years?

3. Does your tribe, consortium, or agency currently have solid waste codes/ordinances in place?

If NO, will the tribe plan to develop such codes/ordinances within three years?

🗆 Yes 🛛 🗆 No

Rank the following solid waste issues by importance to your tribe.

(1 – the most critical, 10 – the least critical)

ISSUE	1	2	3	4	5	6	7	8	9	10
Developing recycling, composting, and other source reduction										
activities										
Dealing with illegal dumping										
Creation, implementation, or updating of an ISWMP										
Creation or updating of solid waste codes										
Dealing with hazardous waste issues										
Starting/operating a transfer station										
Starting/operating a pick-up service										
Starting/operating a landfill										
Community outreach										

COMMUNITY SERVICE AREA PROFILE

MAIN CONTACT INFORMATION

NAME OF COMMUNITY/VILLAGE/TOWNSHIP:			
		STATE:	
ADDRESS:	CITY:	ZIP CODE:	
PHONE NUMBER:	FAX NUMBER:	WEBSITE:	
TRIBAL CONTACT:	PHONE NUMBER:	EMAIL:	

LOCAL GOVERNMENT/EXECUTIVE MEMBERS

Name:	Name:	Name:
Title:	Title:	Title:
Phone:	Phone:	Phone:
Email:	Email:	Email:
Name:	Name:	Name:
Title:	Title:	Title:
Phone:	Phone:	Phone:
Email:	Email:	Email:
Name:	Name:	Name:
Title:	Title:	Title:
Phone:	Phone:	Phone:
Email:	Email:	Email:

POPULATION AND DEMOGRAPHICS

Current Population Size:	Projected Growth Amount: Tribal Members		Projected Growth: Non-Tribal Members			
NUMBER OF TRIBAL MEMBERS: Age: 0 yrs old – 16 yrs old Age: 17 yrs old – 55+ yrs old NUMBER OF NON-TRIBAL MEMBERS: Age: 0 yrs old – 16 yrs old Age: 17 yrs old – 55+ yrs old TOTAL:	ln 5 years %	In 10 years%	In 20 years %	In 5 years%%	In 10 years%	In 20 years %

General Characteristics	Economic Characteristics			
Population:	Per Capita Income: \$			
High School Graduate or higher	· · · · · · · · · · · · · · · · · · ·			
#%	Median Household Income: \$	_		
Bachelor's Degree or higher	Labor Force:			
#%	Age: 16 yrs old – 55 yrs old			
	# or%			
Households:				
Average Household Size:	Age: 56 yrs – 70 yrs old			
	#%			
Average Family Size:				
	Major Employers: check all that apply and in			
Housing Units: check all that apply and indicate amount	Tribal Departments	Casinos		
Tribal Housing				
	Federal/State Offices	Accommodations		
HUD/Government	Educational Units	(lodging, dining, etc.)		
Private/Modern (mobile homes, mortgaged)		□ Other		
	Health Care			
🗆 Non-Modern				
	Grocery/Fuel			
□ Other				
TOTAL Housing Units:				

Major Employers

Tribe: Human/Social Services	Tribe: Economic Development	Tribe: Utilities and Housing Authority
Tribe: Natural Resources/Environmental	Federal Government: Human/Social Services	Federal Government: Legal/Regulation
	· · · · · · · · · · · · · · · · · · ·	
	· · · · · · · · · · · · · · · · · · ·	
	.	
State: Human/Social Services	State Government: Legal/Regulation	Health Care (hospital, clinics, nursing homes)
Grocery/Fuel (supermarkets, gas stations, etc.)	Type of Schools	Names of Schools
Grocery/Fuel (supermarkets, gas stations, etc.)	Type of Schools Headstart Pre-Kindergarten/Kindergarten School	Names of Schools
Grocery/Fuel (supermarkets, gas stations, etc.)	Headstart Pre-Kindergarten/Kindergarten School	Names of Schools
Grocery/Fuel (supermarkets, gas stations, etc.)		Names of Schools
Grocery/Fuel (supermarkets, gas stations, etc.)	Headstart Pre-Kindergarten/Kindergarten School Middle School High School Alternative	Names of Schools
Grocery/Fuel (supermarkets, gas stations, etc.)	Headstart Pre-Kindergarten/Kindergarten School	Names of Schools
	Headstart Pre-Kindergarten/Kindergarten School Middle School High School Dormitories Combined	
Grocery/Fuel (supermarkets, gas stations, etc.) Lodging (hotels, motels, hostels, etc.)	Headstart Pre-Kindergarten/Kindergarten School Middle School High School Alternative	Names of Schools Detention Centers (jails, juvenile lock-up)
	Headstart Pre-Kindergarten/Kindergarten School Middle School High School Dormitories Combined	
	Headstart Pre-Kindergarten/Kindergarten School Middle School High School Dormitories Combined	
	Headstart Pre-Kindergarten/Kindergarten School Middle School High School Dormitories Combined	
	Headstart Pre-Kindergarten/Kindergarten School Middle School High School Dormitories Combined	
Lodging (hotels, motels, hostels, etc.)	Headstart Pre-Kindergarten/Kindergarten School Middle School High School Alternative Dormitories Combined Other Dining (restaurants, community kitchens, etc.)	Detention Centers (jails, juvenile lock-up)
	Headstart Pre-Kindergarten/Kindergarten School Middle School High School Dormitories Combined	
Lodging (hotels, motels, hostels, etc.)	Headstart Pre-Kindergarten/Kindergarten School Middle School High School Alternative Dormitories Combined Other Dining (restaurants, community kitchens, etc.)	Detention Centers (jails, juvenile lock-up)
Lodging (hotels, motels, hostels, etc.)	Headstart Pre-Kindergarten/Kindergarten School Middle School High School Alternative Dormitories Combined Other Dining (restaurants, community kitchens, etc.)	Detention Centers (jails, juvenile lock-up)
Lodging (hotels, motels, hostels, etc.)	Headstart Pre-Kindergarten/Kindergarten School Middle School High School Alternative Dormitories Combined Other Dining (restaurants, community kitchens, etc.)	Detention Centers (jails, juvenile lock-up)

Geography, Climate and Physical Geology

Geographic Location/Land Area (square miles, coordinates; city, county, state, international borders):	Brief Description:
Water Sources: Rivers Washes Aquifers Springs Lakes Reservoirs Wetlands Ponds Riparian Other	Brief Description:
Mountain ranges, hills, mesas, canyons, plateaus, prairies, desert, forests, coastal, inland:	Brief Description:
Other Topography (elevation, terrain, etc.):	Brief Description:
Climate (avg. seasonal temperatures):	Brief Description:
Annual Precipitation:	Brief Description:
Storm Patterns (Mild, Moderate, or Severe):	Brief Description:
Wind Patterns (Mild, Moderate, or Severe):	Brief Description:
Natural Disaster Processes or Patterns: Flooding Mudslides Hurricanes Tsunamis Landslides Volcanic	Brief Description:
Seismic/Fault Zones:	Brief Description:
Moisture or Drought Conditions (relevance to soils and top surfaces):	Brief Description:
Restricted Areas:	Brief Description:

Community Outreach

Communication Resources	Proposed Projects/Programs	Contacts
Community CentersNewspapers	 Information booths at tribal fairs, public meeting locations, tribal social services departments, senior citizen centers, super 	 Environmental Health Coordinators Environmental Program Staff
Radio	 markets, post offices, flea markets, etc. Create and post flyers, posters and leaflets 	Business Managers/Owners
Television	for community distributions and newspaper (tribal and school)	School Boards and Administrators
Community NewslettersWebsite	Provide announcements on radio and website	TeachersYouth Employment Programs
 K-12 Schools 	 Sponsor "clean-up and recycling" challenges; provide prizes and community recognition 	 Professional Consultants (i.e., EPA, ITEP, BIA, IHS, college researchers, etc.)
Tribal Colleges/Universities/Technical	 Encourage community-wide Earth Day or Environmental Day programs 	 Medicine men, elders, clergy, ministry leaders
Non-Profit OrganizationsTribal P2	 Encourage "talking circles" with elders or traditionalists; convey messages of 	College student organizations and groups
Off Reservation Organizations (Chamber of	Traditional Ecological Knowledge (TEK)	Contractors/vendors
Commerce, government agencies, schools, etc.)	 Create a youth ambassador program Sponsor earth science/environmental fairs/ projects at schools 	Non-Profit Volunteers
	 Network with tribal colleges and request student research activities and surveys 	
	 Consider additional assistance from non- profit organizations (i.e., church groups, Ameri-Corps, Peace Corps, Sierra Club, etc.) 	

YOUR PLANNING COMMITTEE

Recruiting Your Team		Committee Make-Up	Roles, Responsibilities, and Duties	
•	Qualifications (Council members, professionals,	Committee/Team Leader/Coordinator	 Assign each member based on interest and 	
	consultants, business owners, elders, youth, etc.)	Oversight Team	expertise	
•	Background (Experience, knowledge, etc.)	Legal analysts or attorney	 Encourage communications and follow-up 	
٠	Term	Ombudsman (if applicable)		

Committee Members

	 Team Leader Committee Member Other 	Name: Department:	 Team Leader Committee Member Other 	Name: Department:	 Team Leader Committee Member Other
Phone:		Phone:		Phone:	
Email:		Email:		Email:	
Task:		Task:		Task:	
	 Team Leader Committee Member 	Name:	 Team Leader Committee Member 	Name:	 Team Leader Committee Member
	 Other 	Department:	□ Other	Department:	□ Other
Phone:		Phone:		Phone:	
Email:		Email:		Email:	
Task:		Task:		Task:	
	 Team Leader Committee Member 	Name:	 Team Leader Committee Member 	Name:	 Team Leader Committee Member Output
Department:	□ Other	Department:	Other	Department:	□ Other
Phone:		Phone:		Phone:	
Email:		Email:		Email:	
Task:		Task:		Task:	

Institute for Tribal Environmental Professionals

PLANNING BLOCKS: PRIORITIZING THE FUNDAMENTALS

[] RANK	[] RANK	[]RANK
Why develop a solid waste plan?	Who are the planners, designers, and authority board	Develop measures for solid waste management
 Purpose 	to plan, consider, approve, and implement plan?	 Landfills
-Develop new plan	 Planning Team 	 Transfer Stations
-Update and/or revise current plan	BIA, I HS, and EPA liaisons	Reuse Centers
-Response to solid waste generation	 Community/Circuit Writers/Contractors 	 Source Reduction (recycling, composting
Benefits/Need	 Legal team/tribal attorney 	 Curbside pick-up
 Goals and Objectives 	 Tribal Council 	 Materials Recovery Facility (MRF)
[]RANK	[]RANK	[]RANK
Identify restrictions for facilities	Identify current and impending environmental and	Identify the major generators
Floodplains	community health hazards	Community members
Fault/Seismic zone	Illegal dumps	> Governments
Wetlands	Open burning	Businesses
Agricultural concerns	Leachate	> Schools
Traditional use/Cultural/Archeological Sites	Drainage patterns	Medical facilities
Land leases	Brownfields	Community events
Grazing areas	Endangered species and plants	> Other
 Water tables (wells, aquifers) 	 Groundwater contamination 	
 Government/Public/Private Property 	 Abandoned buildings 	
[]RANK	[] RANK	[]RANK
Understand or be aware of tribal authority and	Examine multi-jurisdictions	Identify facility and maintenance construction group
inherent sovereignty issues	Reservation-to-reservation	Contractors
Court cases	Towns/cities	Vendors
Enforcement	> County	Governments
Liabilities	State and federal levels	
Environmental statues	Private entities	
[] RANK	[]RANK	[]RANK
What is your current and potential economic base?	Identify funding sources	Demonstrate facility plan and operations
Tribal and private enterprises	Government grants	Engineering schematics
Government assistance	 GAP (General Assistance Program) funds 	Logistics
User and utility fees	Private sectors	Building materials
Tribal taxes	In-kind assistance	Lifespans
		Quality Assurance/Quality Control (QU/QC) plans
		Permits/Certifications
		Closure and post closure/Inspection plans

 [] RANK Understand your community service profile Demographics Waste stream characterization Attitudes to waste prevention Old habits Existing habits or practices 	 [] RANK Consider new technological assistance and/or upgrading existing equipment/tools Computer programs/software Vehicles Monitoring devices Sampling and detection devices Professional development opportunities 	 [] RANK Research formulas to determine population growth (current and projected) U.S. Census Bureau U.S. EPA Employers Schools/Social programs
 [] RANK Consider cultural and traditional applications Traditional Ecological Knowledge (TEK) Historical relevance Taboos/restrictions Stewardship 	 [] RANK Design inventory and/or record-keeping strategies and mechanisms Mapping (GPS, GIS, longitude, latitude) Surveys Questionnaires (person-to-person) Field studies and visitations 	 [] RANK Research formulas to determine weight and/or volume of waste (current and projected) > U.S. EPA > Scientific/Environmental studies > Other tribes > Tribal consortia > Environmental firms
 [] RANK Determine measures to record and regulate waste > Inspections of loads at facilities and pick-up > Disposal methods/designs > Training staff of waste practices and of special and hazardous waste > Control mechanisms for dust, disease vectors, litter, fire (combustion), odor, and accessibility > Emissions > Restricted activities > Contingency plan 	 [] RANK Develop your budget Direct costs (capital investments) Indirect costs Fees Cost-sharing/In-Kind Avoiding fines and penalties Avoiding arrears 	 [] RANK Describe alternative or back-up plan Goals/objectives Options Benefits Issues and concerns
 [] RANK Develop community planner > Public hearings > Community events > Public tours 	 [] RANK Who will serve as enforcement officers? > Tribal and state police > Wildlife rangers > Environmental staff > Inspectors > Conservation officers 	 [] RANK Employ safety measures for enforcement officers Field training Equipment Sensors Audio/visual devices

Community Response Plan

Solid Waste Risks	Current Response Activities	Proposed or Revised Activities
History of illegal activities, contamination, pollution, etc.	· ·	· · · · ·
Indicate areas that are vulnerable to risks (homes, businesses,		
schools, social facilities, etc.)		
Describe at-risk populations in vulnerability zones		
Describe primary transportation routes (reads water roll or		
Describe primary transportation routes (roads, water, rail, or air) to facilities or hauling/transporting		
Indicate location(s) of plan for public view and awareness		
(annual or latest reports, revisions, modifications, etc.)		
Describe emergency response or enforcement mechanisms (fire department, police, rangers, environmental staff)		
(
Describe effects of council turn-over in regards to planning,		
implementing, and maintaining the plan.		
Is waste response equipment locally available?		
Is there a procedure to report or notify risks or illegal activities?		
Describe worst-case scenario for risks		
Describe unique situation and/or extenuating circumstances		

Location and Description of Solid Waste Facilities or Programs

Facility or Program	Type of Waste Received	Solid Waste Generators	Type of Equipment	Waste Processing
	or Processed	(source of waste)	Used/Available	Activities
Name:				
Location:				
Phone:				
Manager:				
Name:				
Location:				
Phone:				
Manager:				
Name:				
Location:				
Phone:				
Manager:				
Name:				
Location:				
Phone:				
Manager:				
Name:				
Location:				
Phone:				
Manager:				

PREPARING AND IMPLEMENTING YOUR SOLID WASTE PROPOSAL: YOUR CHECKLIST

PRE-PLANNING TASKS	ORGANIZING YOUR DATA	FORWARDING YOUR PROPOSAL
 Identify and/or organize your planning committee/team; discuss plan 	[] Research and collect information or data on tribe or community (demographics, etc.)	[] Determine date for presentation and discussion with council members
[] Request council meeting schedule; target date for introduction of plan to council members	[] Research and collect information on environmental and tribal laws (sovereignty policies)	 Present draft to council members and determine deadlines or priority dates
[] Select deadline or priority dates for drafts, revisions, and final plan; determine time span to prepare and implement the plan	 [] Target and select deadline or priority dates for data collection, research/field surveys, and community input. 	[] Present draft to community and request input or feedback
[] Determine type of facilities, equipment, and work force; enforcement and compliance issues	[] Select team or department to receive, store, and prepare data	[] Determine date with legal team or committee to finalize plan
 [] Conduct communications with city, county, state, and federal staff; EPA region coordinator; attorney or legal office 	 [] Conduct follow-up with city, county, state, and federal staff; EPA region coordinator; attorney or legal office 	[] If applicable, continue communications with non reservation entities
[] Research funding sources; develop budget	[] Follow up on and confirm funding; complete budget	[] Receive final signatures and forward for approval
[] Develop plan for community awareness	[] Prepare first draft; set timeline for review(s)	[] Implement plan