

Waste Water Treatment, Impact on Culture and Quality Management

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Abstract

This investigation was led to feature the impact of water contamination and the need of value water. The information in regards to water contamination and human wellbeing was acquired and aggregated through a careful survey of different distributed research articles of global presumed diary and significant books. Water covers about 70% Earth's surface. Safe drinking water is a fundamental requirement for all people. The WHO reports that 80% ailments are waterborne. Industrialization, release of local waste, radioactive waste, populace development, exorbitant utilization of pesticides, manures and spillage from water tanks are real wellsprings of water contamination. These squanders effects affect human wellbeing. Various synthetic compounds have various influences relying upon their areas and sorts. Bacterial, viral and parasitic maladies like typhoid, cholera, encephalitis, poliomyelitis, hepatitis, skin contamination and gastrointestinal are spreading through dirtied water. It is prescribed to look at the water quality on customary premise to stay away from its dangerous consequences for human wellbeing. Residential and horticulture waste ought not to be discarded without treating. The objective of this examination was to assess the impacts of sully on water quality and its subsequent ramifications for the water suitability for the diverse anticipated usages (Aquaculture, water framework and consumable use) and its proposals on the water filtration shapes.

Keywords

Water, Waste water, Water Treatment, Quality, World Health Organization, Impact.

1. Chapter One: Introduction

1.1. Introduction

Hydrosphere covers in excess of 75 percent of the world's surface either as oceans (salt water) or as fresh water. Hydrosphere consolidates sea, conduits, oceans, lakes, lakes, streams, etc.

Most of the world's surfaces water is in the oceans, which contains around 35 segments for each thousands of separated salt of the remainder of, of fresh water with salt substance of 0.2% of found either in lakes (still water) or in conduits and streams (running water).

New water is also available as storms, snow, dew, etc. Hydrosphere gains ground water in addition. Scattering of water from oceans, cloud course of action and precipitation are accountable for by and large water supply through hydrological cycles. Water is basic to all life. Life was initially start in water.

Pollution of water is the proximity of some outside regular, inorganic, natural, radiological or physical substances in the water. These substances degrade water by debasing its quality which may cause prosperity danger or decreasing the utility of water.

There are two standard wellsprings of water, surface water and ground water. Surface water starts from streams, lakes, conduits, shallow wells and stores made by damming. Most surface water contains suspended solids, common and inorganic substances, living beings and other biota. If these substances are accessible in water in perfect measurement, they don't cause tainting.

Notwithstanding what may be normal some of them are significant in improving the idea of water. Right when the centralization of these materials or living creatures are high, they spoil the idea of water and make it unfit for recreational, nearby, current or other use.

A couple of substances like mechanical poisons, deadly engineered substances and pathologic living things defile the water even at low obsessions. Some sully happens ordinarily as soil breaking down, declaration of animal wastes and fallen leaves, game plan of minerals in water, etc. A great deal of it is the quick outcome of human development.

These effect the readiness or productivity of soil in a couple of various ways:

- I. They produce humus by separating dead plant and animal material
- II. Release minerals (for instance calcium, magnesium and iron) from regular blends for reusing
- III. Interconvert particles and iotas to other valuable structures and
- IV. Break down deadly substances to harmless structures.

All these add to soil productivity. Any substance that horribly impacts the benefit of the earth is a soil poison Soil pollution is moreover called as land sully.

Air and water defilement can be spread to long divisions. Nevertheless, soil is staggeringly confined. Any defilement of soil of one field need not by and large impact the earth of neighbouring field.

Properties of water are:

- I. Water is an awesome dissolvable,
- II. It has a high unequivocal warmth and this property of high warmth point of confinement of water is essentially basic to maritime living creatures, and
- III. Water has the most raised warmth of blend and warmth of scattering, everything thought about known as dormant warmth, of each known substance that are liquid at typical temperature. The inert warmth of water coordinates the temperature of the biosphere. It is like manner accept a critical activity in the disappearing of water and its development as well and as dew in the hydrological or water cycle.

1.1.1. Background of the Study

Water is one of the segments and the need that most major worldwide to the step by step life. Around 71% of the outside of the earth is verified by water. From that number, there is simply 2.5% is the water surface, for instance, the streams and lakes which each financial activity for example agribusiness, fisheries, mining region, transport and a movement industry need water as their water resources (David et al., 2016). Most huge usage of water to human is as drinking water, wash, and shower. Plus, the water demand isn't only for people yet furthermore for maritime life that usage water or conduit as their surroundings and this land and water proficient life over the long haul become a wellspring of protein for individuals (Aweng, et al., 2011)

Nowadays in growing of urbanization, provincial and current practice speeds up a dreadful effect both surface and ground water and it will rapidly lessen the water quality in term of its physical, engineered and natural traits (Ahmad Zaharin et al., 2014).

Oil spill can coat the collections of various marine living things and winged creatures' unquestionably impacting their body methods' consistently inciting end. Oil spill hinders the sunshine required by phytoplankton which are the key creators of the sea life organic framework. It can similarly interfere with run of the mill working of power station and

desalination plants that require a steady supply of clean seawater and with safe undertaking of coastline organizations and ports (ruler et al 2003)

Both characteristic and inorganic contaminants in water, soil and groundwater can be spoiled or immobilized by typically happening techniques. These regularly happening techniques fuse sorption, debilitating, dispersing, volatilization, precipitation, molecule exchange and abiotic change and normal degradation by trademark living thing (Christensen et al 2001)

Bioremediation is the term associated with progressions that enliven trademark methodology for ruining and detoxifying damaging engineered blends in wastewater, groundwater and soil. In various kinds of bioremediation, microorganism, developments, green plants or their synthetics are utilized and supervised through the control of normal components to diminish natural defilement (Gibson and Saylor, 1992)

1.2. Research Problem

1.2.1. Negative Effects on Human Health

There is an increasingly vital relationship among sully and therapeutic issue. Disease causing microorganisms are known as pathogens and these pathogens are spreading sickness clearly among individuals. A couple of pathogens are in general some are found in well-described locale. Many water borne afflictions are spreading man to man. Generous precipitation and floods are related to remarkable atmosphere and making different disorders for made and making countries. 10% of the people depends upon sustenance and vegetables that are created in contaminated water. Various waterborne overwhelming disorders are associated with fecal pollution of water sources and results in fecal-oral course of sickness. Prosperity danger related with dirtied water fuses different infirmities, for instance, respiratory disease, threatening development, diarrheal illness, neurological strife and cardiovascular disorder. Nitrogenous manufactured substances are responsible for dangerous development and blue youngster issue. Passing rate in view of ailment is higher in commonplace zones than urban domains in light of the fact that urban inhabitants use treated water for drinking while provincial people don't have office of treated water and use regular water. Penniless people are at increasingly genuine threat of disease in view of improper sanitation, neatness and water supply. Dirtied water has huge negative effects in those women who are exhibited to engineered creations in the midst of pregnancy; it prompts the extended rate of low birth weight in this way fetal prosperity is affected.

1.2.2. Bacterial Diseases

Untreated drinking water and fecal polluting of water is the critical explanation behind free entrails. *Campylobacter jejuni* spread detachment of the entrails 4% to 15% around the globe. Fever, stomach torment, affliction, cerebral torment are genuine indications of free entrails. Extraordinary clean practices and usage of counter agents' poisons can turn away this infection. Illness cholera is achieved by the debased water. *Vibrio Cholerae* is accountable for this contamination. This bacterium produces harms in stomach related tracts. The appearances of this contamination are watery free insides, nausea, hurling and watery detachment of the guts prompts absence of hydration and renal dissatisfaction. Against microbial treatment is used to discard this ailment.

Shigellosis is a bacterial disease achieved by *Shigella* tiny life forms. It impacts the stomach related tract of individuals and damages the intestinal covering. Watery or horrifying the runs, stomach fits, disgorging and nausea are symptoms and it might be assuaged with against microbials and extraordinary clean practice. Salmonellosis sullies the intestinal tract. *Salmonella* microorganisms are found in degraded water and it results in disturbance of stomach related tract and normally downfall occurs. Hostile to contamination operators are supported for this affliction.

1.2.3. Viral Diseases

Hepatitis is a viral affliction realized by degraded water and spoils the liver. Jaundice, loss of needing, exhaustion, burden and high fever are reactions of hepatitis. In case it proceeds for a long time it may be deadly and results in death. Counter acting agent is open for hepatitis and by getting incredible sterile practice; one can discard this disease. Encephalitis is red hot illness spread by eat of defiled mosquitoes. Culex mosquito lays their eggs in debased water. By far most don't exhibit any indications yet a couple of symptoms are headache, high fever, muscle immovability, seizures in any case in outrageous cases stupor state and loss of movement results. No immunizer is open for this ailment.

1.2.4. Parasitic Diseases

Cryptosporidiosis is a parasitic contamination achieved by the cryptosporidium parvum. It is in general disorder and indications are the runs, free or watery dishes, stomach fits and steamed stomach. Cryptosporidium is impenetrable to disinfection and impacts immune structure and it is the purpose behind detachment of the entrails and hurling in individuals. Running single versatile cell is realized by the Entamoeba histolytica and impacts stomach lining. This parasite encounters sore and non-rankle structure. Ailment happens when rankle found in corrupted water and it is swallowed. Appearances are fever, chills and watery detachment of the entrails. As demonstrated by WHO, diarrheal cases are around 4 billion and results in 2.2 million passings. Giardiasis is achieved by Giardia lamblia. Cells of intestinal covering may push toward getting to be hurt. Giardia is impenetrable to blanketed temperature and disinfectant. Every so often it is known as pioneers' sickness. People encountering giardiasis have signs swelling, excess gas, watery free entrails and weight decrease.

1.2.5. Ecosystem

Human waste can grow the amount of microorganisms which can cause gastrointestinal illness and moreover waterborne disorders like detachment of the entrails and typhoid (get some answers concerning various ways individuals are influencing the earth). Bioaccumulation and over the top combination of manufactured mixes result being developed in the fat tissue of trophic measurements, zooplankton and enormous fishes. In addition, use of these fishes suggests abnormal use of mercury content. Raised measures of normal manufactured substances can make the water unfit for drinking reason and dangerous to marine living creatures. Supplement defilements are irrationally perilous as they produce green development in the water and these green development attack the fishes and other maritime animals by reducing the oxygen content in view of which the natural framework isn't kept up viably. Late news that has made the element that a 16000 coastline in the US has been affected by damage of oil spill as a result of which more than 8000 fishes and other land and water proficient animals like tortoise, starfish, etc. were killed. Removal of the pollution from the water in like manner costs high as the transfer of significantly powerful waste is all around over the top.

1.2.6. Animal Death

Some ordinary issues looked by animals from pollution and corrupting of water by individuals are according to the accompanying:-

a. Substance contaminants passed on by current wastes execute a lot of humbler maritime animals, for instance, frogs, fish, tadpoles, etc. This, along these lines, causes lost sustenance hotspot for more noteworthy maritime creatures, driving them to either eat up hurt, dead fish and bite the dust, or leave their normal living space to go searching for sustenance in other maritime quarters. Much of the time, this prompts disease and going of these animals as a result of the frailty to conform to changed water temperatures, negative tides, similarly as prologue to new predators.

b. A plenitude of enhancements, for instance, nitrogen and phosphorus in the water, prompts an extended advancement of noxious green development and land and water proficient plants, that reason hurting and going in fish and various animals who feed on them.

c. Proximity of gigantic measures of mercury in water has provoked a lot of annoying changes in land and water proficient species. A ton of mercury prompts hormonal uneven characters and glandular mischief, provoking irregular lead shifts. Furthermore, mercury is a noxious metallic substance that gives a huge hit to the regenerative limits, improvement and progression of animals that are always introduced to high bits of it.

Oil spills that bring shocking proportions of oil into the marine condition also make marine animals cleared out and lead to their unnatural passing's.

1.2.7. Economic Cost

From the above clearly there is some certified money related repercussions that will result from water defilement. It can cost fundamentally more to sterilize drinking water that takes its source from enhancement dirtied water bodies. Calculating stock is impacted unfavourably when there is a utilization of oxygen. Purchasers are furthermore cautious about fish from these sources and will all in all maintain a strategic distance from them, costing fisheries to lose salary. In spots where there are water activities or sports, heaps of money is spent to clean up the water from green development blooms, etc. The U.S. the movement business loses close \$1 billion consistently, generally from disasters in calculating and recreational activities because of enhancement dirtied water bodies. In Mississippi alone, the movement business in the three areas that edge the Gulf Coast speaks to about \$1.6 billion in visitor utilizations, 32 percent of state travel and the movement business charge salaries, and 24,000 direct jobs. From this we can without quite a bit of a stretch acknowledge the sum it costs all around the world.

1.3. Research Objectives

Water is such an element that without this mankind can not survive. The objectives of this report is:

1. To study the overall impact of water pollution.
2. To understand the main reasons behind water pollution.
3. To understand the significance of the proper quality water.

1.4. Research Questions

1. What does "Water Pollution" actually means?
2. How water gets polluted?
3. Why is it important to maintain the proper quality of the water?
4. How polluted water effects the overall environment?

1.5. Research Framework

To the extent the hypothesis is concern, the investigation will pursue the unmistakable research strategy.

The above hypothesis planned and one area variable supported by four different factors as autonomous factors were combined. One go between is presented for an extraordinary model for the investigation to pursue for a reasonable answer for the issue raised. On the above idea, at field level examination will be done for finishing the module.

The Quantitative research strategies will be received for investigation with the SPSS spread sheet and Strong PLS till module found steady.

The study may be conducted with (Explorative Research) methods. As in the said method, the module is defined as a specific line of inquiry, often for future research with the purpose of making recommendation.

1.6. Research Hypothesis

In this respect following hypothesis to be tested. They are:

1.7. Independent Variables

H01 – Proper treatment of sewage & waste water

H02 – Regulating industrial waste

H03 – Effective steps should be taken to reduce acid rain

H04 – Should take the responsibility to stop global warming

The above all the hypothesis will be tested in the field. The module may be changed for better result's.

2. Chapter Two: Literature Review

This part is given to review of composing, perceive the components and the association between them. The supporting speculation.

A thought is changed over into components, a thought or acumen that is prepared for estimation, anyway it shifts, is called as variables.

A variable is a property that takes on different characteristics. Putting it redundantly, a variable is something that contrasts. A variable is a picture to which numerals or characteristics are added.

There are some who believe that legitimate methods are unequipped for evaluating feelings, tendencies, and values commercial sentiments. Thistle humanism experts acknowledge essentially these can be evaluated, may be not clearly. However, in an indirect way it might be estimated.

2.1. Dependent Variable (DV)

Proper water quality is a must in today's world (DV). To reach to this objective we will experience four IV's as per our hypothesis and at the end of every study for each of the hypothesis we will evaluate the results of IV's to the DV.

2.2. Independent Variable 1 (IV1)

H01 – Proper treatment of sewage & waste water

Wastewater is sewage, storm water and water that has been utilized for different purposes around the network. Except if appropriately treated, wastewater can hurt general wellbeing and the earth. Most people group create wastewater from both private and non-residential sources.

2.2.1. Relation between IV1 & DV

Through the treatment of wastewater, the amount of waste that is usually released into the environment is reduced thus improving environment's health. By doing so, the government in turn reduces the health risks associated with environmental pollution, and reduces the water loss induced through water pollution. Wastewater treatment also reduces the amount of money spent by a country on environmental rehabilitation projects required to battle pollution.

2.3. Independent Variable 2 (IV2)

H02 – Regulating industrial waste

Mechanical waste is the waste made by present day development which consolidates any material that is rendered futile in the midst of an amassing technique, for instance, that of assembling plants, endeavours, manufacturing plants, and mining errands.

A measure for the US goes as high as 7.6 billion tons of mechanical waste made every year. Most countries have endorsed establishment to deal with the issue of present day squander, yet seriousness and consistence schedules vary.

2.3.1. Relation between IV2 & DV

Good for the Environment - Poor mechanical waste administration can prompt those squanders getting into the nearby condition and after that causing potentially hopeless harm. For instance, concoction toxins from assembling and comparative mechanical procedures can enter the water and get into the collections of everything living in that water.

Protecting Human Health - Ill-advised taking care of and transfer of mechanical waste can add to expanded episodes of genuine ailments among the human inhabitants of the neighbourhood locale. For instance, if the run-off from a cow's farm enters the neighbourhood waterway, occupants living down-stream from that farm can wind up becoming sick with illnesses, for example, e-coli diseases.

2.4. Independent Variable 3 (IV3)

H03 – Effective steps should be taken to reduce acid rain

The biological impacts of corrosive downpour are most unmistakably found in amphibian situations, for example, streams, lakes, and swamps where it very well may be destructive to angle and other untamed life. As it moves through the dirt, acidic downpour water can drain aluminium from soil earth particles and afterward stream into streams and lakes.

2.4.1. Relation between IV3 & DV

Since nitrogen oxides are made during the time spent consuming coal and other petroleum products, some power plants are changing the manner in which they consume coal. An incredible method to diminish corrosive downpour is to deliver vitality without utilizing non-renewable energy sources. Rather, individuals can utilize sustainable power sources, for example, sun based and wind control.

2.5. Independent Variable 4 (IV4)

H04 – Should take the responsibility to stop global warming

A global warming is a long haul ascend in the normal temperature of the Earth's atmosphere framework, a part of environmental change appeared by temperature estimations and by different impacts of the warming. Reducing global warming effectively helps to maintain proper water quality.

2.5.1. Relation between IV4 & DV

With environmental change, the water cycle is relied upon to experience noteworthy change. For instance, a hotter atmosphere makes more water vanish from both land and seas; thus, a hotter air can hold more water – about four percent more water for each 1°F ascent in temperature.

Temperature impacts both the potion and organic attributes of surface water. It influences the broke down oxygen level in the water, photosynthesis of amphibian plants, metabolic rates of sea-going living beings, and the affectability of these living beings to contamination, parasites and ailment.

2.6. Underpinning Theory

Study is a sorted out audit that uses adequate logical technique to take care of issues and produces new information that is generally material.

Research work incorporates deliberate, adroit, legal and hard examination, depiction obscure, and foundation of affiliations and causation that license the exact forecast of results under a given arrangement of conditions. It additionally includes recognizing holes in learning.

Confirmation is the thing that definitely known and recognizable proof of past mistakes and confinement.

The present research is an endeavour to depict methodically a circumstance, issue, wonder, administration or program, or give data. The fundamental motivation behind the examination is to portray, what is common as for the issue/issue under the investigation. This examination attempts to characterize as the investigations are a methods for finding new importance portraying what exists, deciding the recurrence with which something happens and arranging data.

In this particular, conduct convictions produce an ideal/troublesome demeanour towards the conduct; regularizing convictions result in apparent social weight, and control convictions offer ascent to conduct control.

In mix, disposition toward the conduct, abstract standard, and impression of social control lead to the arrangement of social aim. When in doubt, the more positive the frame of mind and emotional standard, and the more prominent the recognition control, the more grounded ought to be the individual's aim to play out the conduct being referred to. At long last, given an adequate level of real authority over the conduct, people groups are relied upon to do their goals when the open door emerges. Goal is along these lines accepted the quick forerunner of conduct. In any case, in light of the fact that numerous practices present challenges of execution that may restrain volitional control, it is helpful to consider seen social control notwithstanding goal. To the degree that apparent conduct control is veridical. It can fill in as an intermediary for real control and add to the forecast of the conduct being referred to.

In view of the above analyst continues to examine the issue "Effects of water pollution and Water quality" for a plausible arrangement of the equivalent and produce intimation for further research on the said.

3. Chapter Three: Methodology

3.1. Introduction

This part rushes to the investigation methodology, investigate design, analyse instrument, examining strategy, resource need, data gathering and research ethics and once-over of the segment.

As demonstrated by Satisfaction Propelled Student's Word reference, Exploration suggests an exact examination towards augmentation of data. Examination into an issue. Technique mean strategy of reasonable productive data or standard of science or study.

Thusly, to pass on answer for an issue need information, which begins from people, who in their regular daily existence faces the issue. They are the best to pass an end which is accumulated as a data of an investigation question for a presumable response for the issue. Along these lines, the investigation and through this methodology for an answer of an issue by tending to and getting a reaction to the raised issue. Which is requested and later changed over into an information collected as for the raised issue. This is put as a recommendation of the raised issue after the examination done by the master and given a conceivable response for the issue.

3.2. Research Design

To direct the investigation, to continue for the examination work, to compose the report and for the finish of the report with conceivable arrangement of the issue recognized. Which has called the examination take a shot at the issue in its present spot.

To conduct this study, qualitative method was used. The sources of collecting data is mentioned below:

i. Interviews, to evoke individuals' view and points of view in a definite and extensive way

- ii. Case Study or point by point examinations to break down the factors important to the subject under investigation in its own characteristic settings
- iii. Member perception or gathering information by watching the example in their common habitat
- iv. Activity look into, or shared request that involves intuitive request about the subject including survey of records and information driven investigation and ID of fundamental reasons for the wonder by dynamic enquiry
- v. Recorded research, or considering reports, relics, and different materials to pick up understanding into the gathering's practices, activities, and different attributes over a period
- vi. Phenomenology, or the hypothetical investigation of a marvel to portray the "emotional reality" of an occasion

3.3. Sampling

An investigating plan is a system for deciding how a model should be taken from a masses. There are three procedures are on focus, they are Basic Irregular Inspecting, Stratified Arbitrary Testing and Group Examining, they are discussed in the underneath segment:

Basic Unsystematic Examining: An essential unpredictable precedent is a model which is picked with the goal that each possible case of a comparable size is comparatively obligated to be picked. Model is any social occasion of three names is as likewise likely as picking some other get-together of three names. This is particularly easy to portray anyway amazingly difficult to do.

Stratified Unsystematic Inspecting: A stratified discretionary model is illuminated, as it is gained by disengaging the people into select sets or strata and after that drawing essential unpredictable precedents from all of the stratum generally. Model is Sexual orientation, Age, Occupation social affairs.

Group Inspecting: A bundle test is an essential unpredictable case of social occasions or gatherings of parts. It is a profitable technique when it is inconvenient or extravagant to develop a complete summary of the people or the masses is commonly dispersed geographically.

In any case, from the above cluster analysing picked as it is logically fitting for the present proposal on components influencing of getting shoddy sustenance things in Bangladesh which searching for underwriting from the examination warning gathering.

3.4. Data Collection Method

There are various methods used to accumulate or gain data (information) for authentic examination. Among them, three of the most noticeable strategies are: Immediate Perception, Analyses and Study. Low down chat on them are set in the underneath entries.

Direct Perception: Through discernment on a particular issue, information (data) accumulated by the pros, which is recorded for the examination work. This information (data) is requested and changed over as an abstract or quantitative information (data) of a particular issue which is analysed for the report creating purposes. In case an information (data) recorded on quantifiable solicitation, it become a quantitative information. In any case, if the information (data) got in record or delineation structure, which is named emotional information (data). Along these lines, both emotional and quantitative information (data) recorded depends upon the information (data) jumped on the obvious structure or on a scale, or on story or illuminating structure, it is designated quantitative or abstract information (data) separately. So additionally, data assembled through unstructured gathering, recorded in a record or illuminating structure, it become an emotional strategy. In a composed gathering, if the information recorded in like manner classes which made and allotted of clear responses, it is quantitative strategy. Drawing in responses found in solution to open completed request are commonly emotional yet if the responses are numerical they are considered as quantitative.

Examinations: While finishing a test on a particular issue, result is recorded as a data which is the outcome or delayed consequence of the test. This is used as an information on the preliminary. This information is put as a finding of the examination being done, which might be used as a noteworthy revelation (information) of the time and may help moreover in report making purposes.

Routinely an examination is done in an exploration office. Results are put as the aftereffect of the examination being done. Point of reference is acceptable salt, the compound from of the salt is known as Sodium (Na) Chloride (Cl) address as NaCl. This two blend when consolidated become salt which is used for usage by individual. Moreover, H₂O (water), is a mix of one iota of Oxygen with two molecule of Hydrogen. This tests are done in the exploration community for the academic data and record. Preliminary ought to be conceivable outside the lab also, yet progressively exact and palatable are the results of the test done in the exploration focus.

4. Chapter Four: Data Analysis

Frequencies

Statistics

		Water Waste	Industrial Waste	Acid Rain	Global Warming
N	Valid	15	15	15	15
	Missing	0	0	0	0

Frequency Table

Water Waste

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1	6.7	6.7	6.7
	2	7	46.7	46.7	53.3
	3	3	20.0	20.0	73.3
	4	4	26.7	26.7	100.0
Total		15	100.0	100.0	

Industrial Waste

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	3	20.0	20.0	20.0
	2	4	26.7	26.7	46.7
	3	5	33.3	33.3	80.0
	4	3	20.0	20.0	100.0
Total		15	100.0	100.0	

Acid Rain

	Frequency	Percent	Valid Percent	Cumulative Percent
1	5	33.3	33.3	33.3
2	5	33.3	33.3	66.7
Valid 3	3	20.0	20.0	86.7
4	2	13.3	13.3	100.0
Total	15	100.0	100.0	

Global Warming

	Frequency	Percent	Valid Percent	Cumulative Percent
1	4	26.7	26.7	26.7
2	2	13.3	13.3	40.0
Valid 3	5	33.3	33.3	73.3
4	4	26.7	26.7	100.0
Total	15	100.0	100.0	

Descriptive

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Water Waste	15	1	4	2.67	.976
Industrial Waste	15	1	4	2.53	1.060
Acid Rain	15	1	4	2.13	1.060
Global Warming	15	1	4	2.60	1.183
Valid N (list wise)	15				

5. Recommendations

1. Water pollution control should be a subset of water resources the administrators which includes two immovably related parts, the upkeep and improvement of adequate measures of water at tasteful quality.
2. System preparing should be the reason of achieving the IWRM and water capability plans set at The World Summit on Supportable Improvement in 2002 which hopes to axle the back and forth movement design in water resources violation and to achieve joined organization of land, water and living resources.
3. There is a need to set up a defilement watching and necessity establishment, as rules are set up anyway there sister nonattendance of approval.
4. All treatment plants ought to be furnished with standard instruments to choose invention portions and backing and convenient fixes of provisions is essential in constraining engineered costs.

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