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**Nexus Environmental Corporation**

# Fukushima NPP Remediation Project Team Executive Summary

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What is the problem with Fukushima NPP?

What are the solution sets for remediating the Fukushima NPP reactors?

**Prepared by: Dennis S. Watts**

**1/3/2016**

The Executive Summary will provide an overview of the Fukushima Nuclear Power Plant (NPP) disaster. This document will summarize the five (5) phases that will be required to restore the site to an environmentally sound area that can support life. This summary will briefly describe the project team that has dedicated enormous time and effort to find the best solution sets for this nuclear catastrophe. An estimated cost has been provided for planning purposes to support the project team efforts.

# Fukushima NPP Remediation Project Team Executive Summary

Prepared by Dennis S. Watts

Environmental Systems Engineer/ Project Planner

Date: January 3, 2016

## What is the problem with Fukushima NPP?

The Fukushima Daiichi Nuclear Power Plant (NPP) has gone critical and requires immediate attention by utilizing a comprehensive set of solutions. The fuel rods in three of the reactors have melted and the fissionable nuclear material has reached staggering temperatures that has led to a "China syndrome". In other words the meltdown has burned through the first containment vessel and the secondary containment which is the facility that houses the reactors. It was found back in October 2013 that the coriums, (Melted Fuel Rods) were missing from Reactors 1, 2 and 3. The most current information shows the corium's have made their way to the underground water table and have entered the Pacific Ocean Basin. First level analysis shows that part of the fragmented corium could be in the Japan Trench which has a depth of 23,176 ft or 4.3 miles.

## The problem

The experts within our team have donated many hours of their valuable time to make contacts and connections to the highest quality minds worldwide to identify the best path to a successful outcome of this impending disaster. The corium is the lava product of the melted fuel rods. Each Reactor contributed about 200 pounds of material that is contributing to the poisoning of the Pacific Ocean basin. The ocean currents are to this day swirling the radioactive waste to all corners of the Pacific basin and even further.

Our research is showing extreme problems with the sockeye salmon in the process of dying or dead by the millions. The Pacific Northwest area near British Columbia has found 4 dead sperm whales, within a week, that have succumbed to the extreme radioactive waste level that have invaded the ocean ecology. Other whale carcasses have been seen floating lifeless in the ocean. This will have devastating consequences to all life on the planet and the beginnings of an Extinction Level Event (ELE).

## The Solution

We strongly believe a set of solutions have been identified for the most important phases of the project. Our project team is recommending five Phases to the project solution set:

1. **Phase One** – Using sophisticated Thermography on the Pacific Ocean surface to find the hot spot and neutralize the harmful effect or the radioactive waste. Our initial research shows the coriums have fragmented and are spreading across the ocean. We need to find the concentrated areas and neutralize the waste.
2. **Phase Two** – Demonstrate a method to remediate the radioactive Coriums, waste water, soil and spent fuel rods.
3. **Phase Three** – Provide a plan of action to decommission the damaged reactors and other building that no longer serves a purpose. Also to clean and terra-form the Fukushima site with new flora and fauna.
4. **Phase Four** – Assist with the setup and treatment of all people who have contracted Radioactive Waste Poisoning both in Japan and the West Coast of the Pacific Ocean basin.

5. **Phase Five-** Consider the possibility of changing from Nuclear Power to Advanced Geothermal Power or consider Peter Shastri's Hydro-Magnetic Power System (HMPS) that can produce an estimated 5000 Megawatts of electrical power.

(See the power point presentation for details of the plan of action).

### **The Opportunity**

We will be introducing a way to neutralize the radioactive waste and this demonstration can be used to show other nations how to safely contain and remediate nuclear waste.

It is our hope that this potentially outstanding opportunity to change our global direction from storage of this toxic waste to completely eliminating it can be fully realized. We also believe this is an excellent opportunity to introduce the wide spread use of Geothermal Power production. This technology is clean and none polluting to the environment. The nation of Iceland is a great example of geothermal power production. We can learn from their example of clean power generation.

The idea of non-radioactive fuel rods is also on the table for consideration. This technology has been successfully tested at the Kawamata Labs in Fukushima Japan. This could be a game changer for the planetary future. Our civilization no longer needs to produce radioactive waste product to generate electrical power.

### **Competitive Advantage**

The unique benefit of allowing our team to present solutions to this very dangerous problem is as follows:

1. Our solution will not require anyone to sacrifice their precious life to solve this problem. The Chernobyl disaster was a catastrophic nuclear accident that occurred on 26 April 1986 at the Chernobyl Nuclear Power Plant in Ukraine, which was under the direct jurisdiction of the central authorities of the Soviet Union. Chernobyl was fixed because some very brave Russians had to knowingly sacrifice their lives to save Europe and the rest of the world. The project team solution is virtually non- hazardous and environmentally friendly to all life.
2. It has been 4 years since the disaster and it is estimated that Japan has spent over \$8 billion dollars on the Fukushima disaster only to go critical at this time. This fairly massive expenditure has only inhibited and maintained the current conditions now confronting us. Our project team is proposing a solution that completely remediates the fragmented Corium's in the Pacific Ocean Basin and removes the radioactive waste water and soil.

### **The Model**

Because of this disaster and the potential threat it has worldwide, our project team is expecting that all the major governments around the globe will participate in the solution sets that will be proposed. We are anticipating financially lucrative corporations, individuals, and governments will donate all the resources needed to solve this disaster and normalize the Fukushima site to the point that it can support life as it was naturally intended.

Our team will require passports and documentation by the state departments and military organizations to move freely across all national borders globally. The Project Team will need to have access to the Department of Defense and allowed to work with their Hazardous Material Experts. The Team will require access to sensitive satellite technology that can measure and track ground and ocean temperatures in a precise manner. This satellite thermal tracking will provide the metrics that can be used to gage our success. The Team will require papers and

documentation from the United Nations Security Council to give free access for private and military transport of manpower, equipment, and supplies from around the world.

In other words the project team will need to have free access to all of the necessary resources wherever they exist in the world and have the ability to move man and materials without any of the usual “Red Tape”. It is vitally important that government bureaucracies known for long delays not hinder the project team’s progress. We will need cooperation from all relevant resources to execute this plan of action in a timely fashion. Time is extremely critical with this Fukushima NPP disaster plan. Any long delays could present catastrophic consequences.

### **The Fukushima NPP Remediation Project Team**

1. Fred Knight – Managing Project Team Director
2. Dennis S. Watts - Project Team Systems Engineer/ Project Planning/ Chief Technology Officer
3. Peter Shastri – Industrial Chemist and Project Advisor and Consultant
4. Dr. Michael Levi PhD.– Consultant and Project Planner
5. Stephan Venczel – Radiation Poisoning Clinical Deployment Expert
6. Rod Leibert – Project Team Advisor and Consultant
7. Craig E. Witt – Project Team Intelligence Officer
8. Dr. Jeffery Prystupa DC Project Team Health and Healing Expert
9. Jay Michael – Project Team Intelligence - Defense Intelligence Agency (DIA)
10. Dr. Stephen Palmer PhD. MD. JD. - Project Team Advisor and Consultant
11. Josh Satbach – Medical Advisor and Geneticist
12. Al Wassenberg – Business and Financial consultant and advisor
13. Erin Schrauth - Contracts Advisor and Administrative Assistant

### **The Promise**

The promise is to find and implement a technology that can remediate radioactive waste and restore the Fukushima area back to an environmentally sound space that can support life. The nuclear remediation industry is in desperate need for effective technologies that can actually remediate radioactive waste. We can no longer just bury our nuclear waste in the earth or in mountains with potentially, severe consequences being paid at a later time that will affect future generations. For those governments-countries who continue to employ this form of energy to provide power to industries and municipalities, this remediation technology could easily become a very lucrative industry for any wise investor(s).

### **Fukushima NPP Project Team Funding Requirements**

The pain of this project is extremely compelling. Thousands of Japanese people have lost their lives dealing with the Fukushima NPP disaster. Thousands more of men women and children are presently suffering from the poisonous radioactive environment that has been created by this disaster.

This project is extremely time critical and requires the cooperation of the entire global community. This is why we will need the strength of the UN Security Council and the cooperation, influence, and resources of the Department of Defense of the USA, and pertinent sectors of Japanese, Chinese, and Russian governmental agencies, if possible, to make this project move forward in a timely manner.

**Phase one** of the project will require approximately \$2.5 billion dollars to pay for heavy equipment and its transportation. To obtain qualified manpower to operate the equipment and provide hazard pay to all participants selected to operate equipment in the field.

**Phase two** of the project will require approximately \$4 billion dollars. This phase of the project will extinguish the radioactive waste process in all affected reactors and remediate radioactive waste in and around the reactors. This will include the spent fuel rods, waste water in storage tanks and soil stored in various containers around the site. (See PowerPoint presentation for further details.)

**Phase Three** of the project will require approximately \$3 billion dollars. This phase of the project will allow for people and equipment to renovate the entire Fukushima site. This will include removing damaged and destroyed buildings. The plan will also include the restoration of the earth and soil so that it will support life such as the flora and fauna. Create and restore the natural beauty that was originally intended by nature.

**Phase Four** – The radiation at Fukushima has escaped containment and has entered the Pacific Ocean and the Atmosphere. As a consequence the background radiation levels are reaching dangerous levels for all life on the planet. All of our dairy product and eggs are contaminated to some degree. This means the cumulative effects will start to show up in varying degrees in the population. Bleeding gums, loose teeth, skin rashes and blisters will be some of the tell tail signs of radiation poisoning.

We need to setup special clinics that can help people remove and neutralize the effects of radiation poisoning. This problem will overwhelm the normal healthcare system so it is suggested to setup privately funded triage that will help the populations that are effected.

It is estimated to start this project \$2.5 billion dollars will be needed to support the clinics and the technologies that will be needed to neutralize the harmful effects of radiation poisoning.

**Phase Five** of the project will require approximately \$4 billion dollars. This phase of the project will take into consideration the reuse of the Fukushima site by employing Earth friendly technology to produce a source for electrical power. It is highly recommended that alternative energy sources be seriously considered in light of these current circumstances (or in light of the danger we are currently facing). It makes good sense to advance to another level of understanding of the importance of working with an energy sources that are friendlier to the earth. It is suggested to look into geothermal electrical power generation. The Nation of Iceland is an excellent example of how to make that technology work for Japan's industries and municipalities.

All five phases of the project can be completed over a period of 5 to 6 years. Phase one of the project, remediating the fragmented coriums in the Pacific Ocean will take about three months after all the equipment and supplies are in place.

Phase two of the project plan will take approximately 15 months of time once the supplies and equipment are in place to remediate the radioactive waste water, soil and spent fuel rods.

Phase three of the project plan will take 18 months to complete depending on the land survey and the area that will require restoration because of radioactive soil.

Phase 4 of the project will require constant attention from the very beginning. Strategic Locations of Clinic and notification of the effected population will be an on- going project for some time into the future.

Phase 5 of the project will require planning and design and development of the new technologies that will be used to produce clean renewable earth friendly electrical power. This process can be up to 3 or 4 years depending on the development and engineering firms used.

The total estimated cost of restoration of Fukushima site and surrounding areas is USD\$16 billion dollars.

Your prompt and immediate response will be greatly appreciated.

Thank you very much for your time and consideration.

A handwritten signature in cursive script that reads "Dennis S. Watts". The signature is written in black ink and is positioned above the typed contact information.

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