

Adult mods fallout 4

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A specialist measures the radioactivity of freight cars full of contaminated powdered milkTer Mayer / AP I happened to be living in Rome when the accident occurred at the Chernobyl nuclear power plant, but, mainly because of the accident, I do not live there anymore. As I sought to learn how worried I was to be about the radiation dose my family and millions of others received, I gradually realized that I was also learning ways in which Western European citizens, with far greater access to information than their counterparts to the east, were misled about the effects of radiation on their lives. Western European governments, like the Soviet government, had both exclusive access to important information and incentives to suppress it. When evidence was obtained that air radiation in some parts of France had reached levels about four hundred times higher than usual, the French Government suffered from brief embarrassment for initially denying a significant increase in radiation. With 65 percent of the electricity generated by nuclear power - the largest such percentage in the world- France was much at stake. But exactly how much other governments were willing to censor or minimize or distort data was hard to guess. Watching the weather of the Italian government, quite easily, the internal scandal of its own deliberate suppression of information - a scandal that never reached the international press - I wondered how many

other people in Europe were beginning to worry that the entire continent was shrouded in a cloud of secrecy. In the first days after the accident my biggest personal concern, and my husband, was to decide whether we and our two-year-old daughter should leave Italy. The possibility of relocation first occurred on May 2, the day when the Italian government announced a two-week ban on the sale of almost all green vegetables (not just leafy, as in some countries) and on the consumption of milk by pregnant women and children under ten years. Although Italy was further from the accident than most of Europe, its government ordered the strictest protective measures of any nation on the continent, and announced them so quickly that they appeared in the same newspapers that informed most Italians for the first time about the arrival of la nube, or Chernobyl cloud. Experience told me that Italians rarely agree to do anything quickly, and although I was grateful that I was not allowed to eat contaminated food, the very effectiveness of the ban bothered me. Perhaps, as some people have speculated, the government was overcompensating for the recent poisoned wine scandal, which was widely perceived that several of the 20 or so deaths could be prevented if the government took swift action. Hoping that I was overreacting, I bought two dusty (and therefore pre-Chernobyl) twelve litre cases of long milk life for my daughter. (Long milk, popular in Europe, can four months.) My husband and I decided that we would keep our daughter indoors, with the windows closed for at least a week- not an easy thing for a two-year-old to take in May. No one offered us such a precaution. We just assumed, because pediatricians advised not to allow young children to play on grass, which, for the moment, the less fresh air our daughter has, the better. Although we live in an increasingly nuclear world, we have also lived in ignorance about the nature of radiation. I did not know that estimates of human tolerance to radiation exposure, originally based on the effects of Hiroshima, are now considered by many radiologists to be at least twice as high as they should be. I did not know that one person could be two or three times more sensitive to the same dose of radiation as another person, or that radioactive elements have different effects, depending on which part of the body absorbs them and how quickly they are released. Newspapers provided some information that I suddenly felt I should have already known: that iodine comes in radioactive form, iodine 131, which is often a major component of a nuclear reactor leak and which has a relatively short half-preparation period of eight days. I learned that iodine 131 causes thyroid cancer, that it is easily absorbed by green plants, and therefore that it is found in the milk of herbal animals. I learned that cesium 137, and a half life thirty years, settles especially in muscle tissue and organs, and that strontium 90, and a half lives twenty-eight years, settles in the bones and so can cause bone marrow cancer. Almost everyone I knew in Rome learned at least some of these facts in a few days - a few days after we learned of the Chernobyl disaster, but after we learned that la nube had passed over us. Even considering the human tendency to be most interested in what immediately affects us, I was surprised at how little news American sources were providing. I was disappointed, for example, that the International Herald Tribune, which is published in Paris and serves more English readers than any other newspaper on the continent, dedicated little space to Chernobyl after the most explosive news ran out. And, like other newspapers in France, he did not initially question the French government's demand for national liberation from the effects of Chernobyl. Meanwhile, some American journals have minimized precipitation, mistakenly claiming that the radiation doses received by Western Europeans from Chernobyl were no more than as a result of several chest X-rays. Other publications, while rightly focusing on the damage to Soviet and Eastern European citizens, seemed to dismiss the concerns of Germans and Belgians and Austrians and French and Italians, whose soil would be contaminated for decades, funny worry about whether to make a salad. Let them eat the cake, they seemed to. The best source of Italian news was to be Italian newspapers. The one I read most regularly, Il Messaggero, gave generally excellent coverage of the ongoing local problems stemming from Chernobyl, like many other daily newspapers in Italy. All of them reported that the level of air radiation in Italy on May 2 was measured about twice the background, or normal. My daughter's pediatrician told me it was nothing to worry about. Indeed, he said, he would not give radiation in Italy another thought until the levels reached ten times the background.) Then, on May 9, the newspapers offered a correction of the data of the previous week. Under the headline, which read: THE SKY BY NOW IS 'CLEAN'-BUT FIRST OF MAY IS FEARED A TRUE DISASTER, Il Messaggero showed that radioactivity in northern Italy, as of May 2, was not twice the background, but, on the contrary, a hundred times. The director of the Institute of Atmospheric Physics (IFA) angrily denied that he had ever provided incorrect figures. On the contrary, the ISA was one of the sources of data for the only body in Italy authorized to release radioactivity information, the Civil Protection Agency. This institution has come to its encouraging figure twice, on average high levels of radioactivity in the north with levels of central and southern regions. The Director of the Civil Protection Agency defended himself, claiming that the authorities in Sweden, Austria and Switzerland had also planted regional data. Significant differences in radiation levels not only near Europe's national borders but also within countries have had important implications for many of us who hoped to assess the potential of Chernobyl to harm our own families. We could not rely on a clear generalization that a greater distance from an accident means greater safety. We have learned that a number of other factors, such as topography, water currents and precipitation frequency, can make a huge difference. Only the continuation of local measurements of radioactive elements in the air, soil and food will have great use for the population. In Italy, the north was doubly unsuccessful, being both the closest to Chernobyl and the only one in the country where heavy rainfall fell in May. Newspaper reports disagreed about how bad the news was in the north, but they all agreed that its soil and food were generally the most polluted in the country. May 11 – This time buried in the middle paragraph on page 3-Il Messaggero carried an explanation of the background radiation discrepancy that I found more disturbing than the May 9 headline. Scientists from IFA and ENEA, the state atomic energy commission closely associated with the Civil Protection Agency, issued a joint statement saying that the data they provided did not contradict each other. One hundred times the IFA background refers only to beta radiation in the air, while ENEA twice the background referred to complete radioactivity. Il Messaggero did not explain how this new interpretation relates to its previous statement that this discrepancy was caused by the averaging of regional radiation indicators. While these incomprehensible inter-agency battles were fought in Italy, international battles were fought in the European Community on safety standards. France has threatened to block a ban on meat imports from Eastern Europe unless Italy has abandoned its requirement that all food imports from Eastern and Western Europe be a guarantee of security. As Europe's leading exporter of fresh produce, Italy, which loses about \$3 million in revenue every day from products it voluntarily banned domestically, understandably wanted the burden of such victims to be as fairly distributed as possible. Obviously, while security is a major issue for the EU, it is not the only issue. West Germany managed to remove East Germany from the list of Eastern European countries from which meat imports were banned, claiming, according to the International Herald Tribune, that radioactivity levels controlled in West Berlin give a good idea of the level of pollution in East Germany. The London Observer reporters, who were later due to publish a book about Chernobyl, the world's worst accident, interpreted it as a good indication of pollution in this way: East Germany, although it was as vulnerable to radioactive contamination as other Eastern European countries, was mysteriously removed from the list at the urging of West Germany, which values its trade links with its eastern counterpart. According to Observer journalists, the technical reason for East Germany's inaction is that it is more than 1,000 kilometers from Chernobyl. However, Austria, which is partly within the 1,000-kilometre limit, also escaped the ban. Internationally conflicting standards for radiation restrictions in food, most of which were set long before Chernobyl, have also overshadowed any objective damage assessment. It was only when the World Health Organization published a report on Chernobyl at the end of May that ordinary citizens learned how widely the guidelines differed. Nor do they change along easily predictable lines. The rate at which radioactive emissions occur is measured by most countries in bequerels (or bq). The permissible limits of radiation in milk, for example, were high in the Eastern Bloc countries (1000 b/d per liter in Czechoslovakia and Poland), but the two countries that share the highest limit, 2000 b/d per liter, were Bulgaria and Sweden. (This fact is even more surprising given that, since the 1980 referendum, Sweden has pledged to phase out its nuclear reactors, which currently provide more than 30 per cent of its electricity by 2010.) Many countries, including and Italy, set limits at around 500 b/d per liter, but one of the most protective limits, 200 b/d per liter, was set by Finland, which was widely broadly to publicly minimize the pollution he experienced from Chernobyl.All these limits are well below any level that will lead to acute radiation sickness. As the WHO report notes, scientists generally agree that there is a threshold for exposure to acute radiation sickness, but not for other effects of radiation. These include the mental retardation of the fetus; genetic defects that may appear in one or two generations; And cancer. Even the slightest additional exposure to radiation increases a person's chances of such effects, and among the issues implied by the different allowable limits of radiation, how many additional cancers the government is willing to take, as likely before it orders protective measures or evacuations. Inevitably, given the complexity of the information and the intensity of the fears that are being raised on Chernobyl, a number of adaptive psychological strategies have emerged. Some people were particularly frightened by the effects of radiation precisely because they were invisible. Others seemed to genuinely believe that what you can't see can't hurt you. Indeed, some have suggested that the greatest danger is psychological radiation. While demonstrations calling for a nuclear closure in Italy drew an impressive crowd, Corriere della Sera commented: It is ironic that nuclear psychosis seems to be greater in countries where there are fewer reactors, especially in Italy, where only three are operating. And in a different philosophy closely related to the disdain for nuclear psychosis, La Repubblica noted that the colossal misinformation and propaganda campaign in the United States consistent with the Soviet Union's fight against the catastrophe. The most reliable indicator of how scary, or at least uncertain, most people have remained in the market: wholesale prices for products, including fruits and vegetables that have never been banned, were a few days down by 50 percent. Perhaps if radiation levels in northern Italy had not remained stubbornly high for several weeks, and even suddenly and mysteriously rose in June, the government's initial two-week ban on vegetables and milk would have seemed reasonable enough. In the end, Italy exercised strict direct control over its own food; it had even restricted imports from other members of the European Community until they had agreed to higher health standards. However, as Il Messaggero reported in early May, readings specifically of the destruction of the amount of cesium, cobalt and strontium in the environment were supplied to the Civil Protection Agency, but were not made public. Now is the time, the article says, to know with certainty the extent to which vegetables, milk and rainwater remain contaminated by these elements. The newspaper that most loudly and most often raises the issue of disclosure was the International Courier, english daily newspaper, which was going on in Italy at the time. (It closed, closed, at the end of the summer, and if it had been done before Chernobyl, I am sure that many foreign residents in Italy would never have known the extent to which the accident affected their lives.) Two reporters, Kate Casa and William McCaughey, continued to write front pages of stories about the consequences of Chernobyl in Europe, and especially in northern Italy, in June. They have repeatedly pointed out that one of the elements for which the Italian Government produces specific indications is iodine 131, which was originally the largest component of the Chernobyl rainfall. But iodine 131, which has an eight-day semi-life, was also a component of rapidly disappearing. Government officials have argued that once iodine levels 131 return somewhere near the norm, the potential danger of Chernobyl for Italy ends. The government's initially troubling two-week ban on iodine-absorbing greens and milk began to seem not only a necessary precaution, but also a psychologically astute way of poking out public concerns about contamination of vegetables, grains, meat and other foods with half a billion lives over decades. On May 15, the International Courier reported that ENEA had refused to release data on caesium and strontium levels in food. But without specific data, how should citizens be sure that the security standards that Italy requires from other countries are being met internally? On May 16, the Courier reported on a survey of anonymous scientists at ENEA that the organization had not made public the data on cesium. Contact universities, - advised one of them. They're not as reserved as we are. Another said: We are instructed by the state to develop any data they want us to do. The next day, May 17, Casa and McCaughey reported that a reliable government source had been disclosed in Lega Ambiente, or Environmental League, some alarming information: in vegetables collected in northern Italy on May 12, cesium levels of 137 were 60 percent higher than those permitted by Italian law. Faced with the explanation of the damaging data, ENEA and the Civil Protection Agency - both government agencies - each handed over to journalists from another organization. Ironically, May 17 was also the day when the Italian government declared all vegetables safe and legal in the market. However, it decided to extend the ban on milk consumption by pregnant women and children for one week. The Minister of Agriculture explained that we decided to put health above everything else. But when Casa and McCaughey again asked for the retention of the drawings on cesium, a civil protection agency spokesman replied: What do you want with these numbers? To date, the damage has been done. Whatever the cesium, it was absorbed into our bodies. We will see long-term consequences only in many years. On May 18, the day after the Italians happily returned to their greengrocers, newspapers the country was informed of the next environmental High levels of radioactivity were reported in the Alps. Contaminated ice, heavily contaminated by wildlife, lamented Il Messaggero. The eastern Alps, from Friuli to Lombardy, risk spending the next few months under threat of environmental disaster. Scientists feared possible contamination of drinking water. In the northern province of Bolzano closed all hunting reserves, advised to destroy the liver of already caught animals (because the liver and other soft organs absorb cesium), and recommended to wait two months before eating meat animals. Meanwhile, one of the largest producers of milk for a long time in Italy was in question for allegedly falsifying production terms stamped on milk boxes. However, the milk, which was supposedly before Chernobyl, registers suspiciously high levels of iodine 131.However, the milk scandal soon erupted. The Ministry of Agriculture, which, as it put health above all else, had just recommended that the Government extend the ban on milk, has now announced that most of the milk allegedly destroyed is actually reserved for a fifteen-day period of time and processed as long-term milk and yogurt. We saw pictures of piles of boxes of green vegetables in the destruction centers, but many green vegetables, as we learned, were also preserved and had to be sold frozen, now that their iodine content 131 has been significantly reduced. (A few days earlier, health officials in southern Germany appeared to be preparing for such unforeseen situations when they prohibited the consumption of frozen vegetables by children.) We are trying to throw as little as possible and re-release as much as possible, said a representative of the Ministry of Agriculture. Then, on 24 May, Prime Minister Bettino Craxi issued a statement implying that a kind of peace treaty had been signed with radioactivity. The situation has returned to normal, he said. In the new situation, we were very prudent... But let me say that there is no reason today to be more prudent than prudence itself. He criticised the unjustified alarmism of those who continued to advise against buying certain foods, and overturned the final ban on milk. His statement was, of course, the front page of the news in all Italian newspapers. But the International Courier, which most Italians have never read and which has not always been available outside Rome, has given more space to the World Health Organization's report on the impact of Chernobyl on Europe. Italian data on the levels of various radioactive substances were clearly spotty. The government called the international report confidential and immediately refused to release its contents, adding that it had been detained for several days for minor typographical corrections. More than a week later, a representative of the Ministry of Health announced his intention to report in full, preceded by comments from a panel of experts. This is a document written for expert experts scientific terms, he said, and he added an apparently soothing assurance that levels of caesium would become less significant in about sixty days. But the consequences were simply a crackdown, not a disappearance. Those who actually read them found that the confidential findings of the WHO report tended to be, if cautiously, optimistic: Based on UN estimates of the effects of nuclear fallout, caesium pollution outside the USSR is unlikely to cause any serious problems. However, since cesium 137 dominates long-term exposure, it will be impossible to assess the overall impact of ... if the distribution of cesium deposition 137 is more known. At least one Italian read the Courier: Francesco Rutelli, chairman of the Radical Party faction in the Chamber of Deputies, who announced on 27 May that, based on the newspaper's revelations, he would initiate a parliamentary inquiry into why the Ministry of Health had postponed the release of the WHO document and refused to disclose levels of any radioactive element other than iodine 131. Meanwhile, The Courier reported a serious inconsistency of the data once again. An ENEA spokesman said that cesium has never been higher anywhere else in Italy than two nanocuries per liter of milk and ten nanocuri per kilogram of vegetables. (Italy measures radiation not in bekki, but in nanouria, one of which is thirty-seven bekkelams.) But, as the Courier continued, eNEA's official May 19 report shows that in just one day, May 9, cesium 137 rose to 24.3 nanomura per kilogram in northern Italian leafy vegetables. Italian law sets the cesium warning levels at 20 nanocoures for adults and 6.6 nanocuria over the same period for children under 5 years of age. Declining to comment further, the Prime Minister's spokesman acknowledged that Craxi had access to the May 19 report before announcing that the situation was normal. Although the emergency ended as far as the national government was concerned, not all communities agreed, and soon another embarrassing contradiction with Craxi's claim came to light. On 3 June, four communities in the northern province of Lombardy announced that the terrestrial readings of cesium 137 were measured five times higher than in mid-May (which themselves were high, having been made after the arrival of the Chernobyl cloud). Communities have reinstated the milk ban and ordered to slaughter all rabbits (rabbit meat is a popular food in northern Italy). The local health agency in Como suggested citizens to refrain from eating chicken, rabbits or eggs of birds feeding on vegetation. Health Minister Costante Degan said the spike in radioactivity was likely due to increased rainfall and was a purely local phenomenon. His statement may well be accurate, but it may not make safer milk, vegetables, chicken and eggs that have been consumed in Lombardy since May when the Prime Minister declared the situation normal. And if rain can lead to such a significant increase in pollution, Craxi's call to resume normal eating habits may have indeed been hasty. Many individuals and organizations, including at least one trade union, have stated that a more effective system of information and protection is needed, starting primarily with the separation of those institutions that acquire and interpret radioactivity data from those accused of producing and promoting nuclear power. By June 3, the day of the new milk ban in the north, my husband and I had joined the unjustified alarmists and given our landlord a notice that we would be leaving Italy for a month. We had many reasons to punish ourselves. If the food, air and soil in Italy were really dangerous enough to justify our private evacuation, then we should have done it sooner. Instead, we spent weeks acquiring the rudiments of vocabulary that we needed to ask the right questions. And we seemed to be leaving Italy just as it was, especially in Rome, where almost no rain fell after Chernobyl, a much safer place to live. The government claimed that its ban on vegetables and milk had been reduced by two-thirds of the likely future incidence of excess cancer in Italy. And we have imposed a much stricter diet than the government has ever proposed. Not only our daughter but also my husband and I gave up all fresh dairy on May 2 and we won't be eating them again for almost two months. We ate only those fresh vegetables and fruits that could be cleaned, such as potatoes, carrots, eggplants, apples and bananas. Although most strawberries in Italy are grown in greenhouses, we, like many other people, decided not to eat them because we couldn't be sure where they came from. When we read that young meats such as pulp and spring lamb can register higher levels of radioactivity, we have abandoned them too. We ate frozen spinach until we found out that the contaminated greens were being processed. We relied heavily on fish (except freshwater fish) and chicken: the bird was fine, the newspaper assured, until it was raised on uncontaminated, stored feed. But how should we have known? In Italy, once a food paradise, we felt limited in our choice of products, as if we lived in, say, Russia, before Chernobyl. It was definitely not la dolce vita. However, to impose such restrictions on ourselves, we are probably as safe as anyone in Italy, and could easily have stayed, eventually adding previously limited food to our diet and limiting ourselves to new ones like beef next year and grains next year. Grain... Pasta. The thought of pasta that quintessential Italian staple, being spoiled was so depressing that one could almost see the reasoning behind. No decency-keep the numbers on radioactivity secret. I cannot say that I left Rome because I convinced me that my child staying there was dangerous. No expert on radiation or Italian policy, I was a foreign resident doing my best to interpret the information that was available from Italian news sources at the time. I left mainly because the information that leaked from the Italian government was so piecemeal, belated, hard won and sometimes provably wrong that I was not convinced that my child was not in danger. And I'm still not sure. Not recently, in October, La Repubblica reported that two independent sources had warned of continued food contamination in Italy and indirectly raised the issue of food quality elsewhere in Europe. Nuova Ecologia, an ecologist, has concluded from its own research that some grains, meat, fish and mushrooms in northern Italy remain highly radioactive. Researchers from the University of Milan found that milk powder in various infant formulas sold in Italy was so significantly contaminated with cesium that it requires urgent intervention by health authorities. You can live with moderate precipitation infinitely in total ignorance. Knowing that a person lives with him can - in some people, at least - lead to despair not only about the health of their children, but also about the future of the human race. If it's a nuclear psychosis, I still have it. This is.

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